DODGE

BEARING ENGINEERING CATALOG

BALDOR
DODGE

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DODGE Products are Manufactured in ISO 9002 Certified Plants

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The information provided for Product Interchange in this catalog is for use only as a general reference by persons qualified to recognize unreasonable selection options. Products suggested as substitutes may have dimensional, rating, pricing and other differences from products to be replaced. This selection method must be used in conjunction with the applicable product catalog which contains important precautions and other pertinent information.

In illustrations throughout this catalog, safety guards have been removed for photographic purposes.

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WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be described or as may be specified in safety codes should be provided, and are neither provided by Baldor Electric Company nor are the responsibility of Baldor Electric Company. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

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REFERENCE GUIDE

DODGE®

Food & Beverage Ball Bearings, Page B1-2

- Two types: polymer housed units and stainless steel housed units
- Two inserts: corrosion resistant (comparable to 440 stainless steel) and standard steel insert with flingers
- Three locking styles: 65° setscrew angle (SC), concentric clamp collar (GT), and thin wall adapter (GT)
- Single-lip contact seal with flingers (standard), end covers available from stock
- Optional—BEV modification for the beverage industry
- Interchangeable mounting dimensions with most competitive products
- Anti-rotation device prevents insert rotation associated with light or rotating loads/high-speed applications
- Plus or minus 2° static misalignment

Polymer-Housed Polymer Sleeve Bearings Page B1-2

- Polymer housing contains additive that prevents bacterial and fungal growth
- All polymer and stainless steel construction
- Solid polymer housing has no cavities and no fillings
- Conforms to FDA /USDA specifications
- Polymer sleeve insert with stainless steel anti-rotation pin
- No lubrication required, self-lubricated polymer sleeve insert for maintenance-free operation
- Offered in a wide variety of housing configurations and all popular bore sizes
- Operates in temperatures from -40°F to 180°F
- 3/4 - 1-15/16 size

GRIP-TIGHT Ball Bearings, Page B2-1

- Two types: normal duty GT and medium duty GTM
- Single-lip contact seal with flingers (standard), low-torque labyrinth seal (optional), end covers available from stock
- Interchangeable mounting dimensions with most competitive products
- Thin Wall Adapter mounting offers 360° full shaft contact and concentricity. No shaft marring or fretting corrosion like setscrew and eccentric collar products. Built in bearing puller easily removes the bearing from the shaft. Turned, ground, and polished shafting is not required.
- Anti-rotation device prevents insert rotation associated with light or rotating loads/high-speed applications
- Expansion and non-expansion pillow blocks available for popular shaft sizes
- High-temperature option available to 400°F
- Plus or minus 2° static misalignment

Setscrew Ball Bearings, Page B3-1

- Four types: normal duty SC, medium duty SCM, intermediate duty VSC, and light duty SL
- Single-lip contact seal (standard), single-lip contact seal with flingers (optional on SC and SCM), low-torque labyrinth seal (optional on SC and SCM), end covers available from stock for SC, SCM and VSC
- Interchangeable mounting dimensions with most competitive products
- 65° setscrew angle for greater holding power and ease on installation in confined areas
- Anti-rotation device on SC and SCM bearings prevents insert rotation associated with light or rotating loads/ high-speed applications
- Expansion and non-expansion pillow blocks available for popular SC shaft sizes
- High-temperature option available to 400° F on SC and SCM
- Plus or minus 2° static misalignment

REFERENCE GUIDE

DODGE®

Eccentric Collar Ball Bearings, Page B4-1

- Three types: normal duty SXR, intermediate duty SXV, and light duty SLX
- Single-lip contact seal (standard), single-lip contact seal with flingers (optional on SXR), low-torque labyrinth seal (optional on SXR), end covers available from stock for SXR and SXV
- Interchangeable mounting dimensions with most competitive products
- Eccentric collar locks the bearing to the shaft by a quarter turn of the collar in direction of shaft rotation collar is secured in place with setscrew
- Anti-rotation device on SXR prevents insert rotation associated with light or rotating loads/high-speed applications
- Expansion and non-expansion pillow blocks available for popular SXR shaft sizes
- High-temperature option available to 400°F on SXR
- Plus or minus 2° static misalignment

D-LOK Ball Bearings, Page B5-1

- Two types: normal duty DL and medium duty DLM
- Single-lip contact seal with flingers (standard), low-torque labyrinth seal (optional), end covers available from stock
- Interchangeable mounting dimensions with most competitive products
- Concentric clamp collar locks the bearing to the shaft by tightening a single Allen wrench cap screw, the bearing will not mar the shaft like setscrew and eccentric collar bearings, provides concentricity between the bearing and shaft
- Anti-rotation device prevents insert rotation associated with light or rotating
- Expansion and non-expansion pillow blocks available for popular shaft sizes
- High-temperature option available to 400°F
- Plus or minus 2° static misalignment

Air Handling Ball Bearings, Page B2-12, B3-14, B5-66,

- Thin wall adapter: normal duty GTAH and medium duty GTMAH
- Setscrew: normal duty (SCAH) and medium duty (SCMAH) Concentric clamp collar: normal duty (DLAH) and medium duty (DLMAH)
- Single-lip contact seal (standard on SCAH and SCMAH), single-lip contact seal with flingers (optional on SCAH and SCMAH, standard on DLAH, DLMAH and GTAH, GTMAH), low-torque labyrinth seal (optional), end covers available from stock
- Interchangeable mounting dimensions with most competitive products
- Anti-rotation device prevents insert rotation associated with light or rotating loads/high-speed applications
- Pus or minus 2° static misalignment
- Expansion and non-expansion pillow blocks available for popular shaft sizes
- High-temperature option available to 400°F

Type E Tapered Roller Bearings (E-XTRA), Page B6-1

- Tapered rolling elements
- Completely assembled, factory adjusted, and properly lubricated—shaft ready
- Extra protection—E-TECT™ seal option
- Comparable mounting dimensions with ball bearings
- E-XTRA allows easy upgrade from ball bearings

Double-Interlock Tapered Roller Bearings, Page B6-1

- Tapered roller bearing durability in a variety of styles
- Extra protection E-TECT seal option
- Special clearances and greases available
- Self aligning
- Factory assembled, adjusted, and lubricated—shaft ready
- Sealed bearing

REFERENCE GUIDE

DODGE®

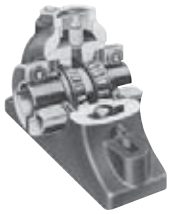
Type K Tapered Roller Bearings, Page B6-1

- Tapered roller bearing with reduced length through bore
- Single collar design saves space and installation time
- Allows bearing to be closer to the load for reduced shaft design
- Self aligning
- Factory assembled, adjusted, and lubricated—shaft ready
- Same housing as double-interlock
- Extra protection-E-TECT™ Seal Option

TAF Tapered Roller Bearings Page B6-1

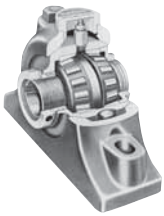
- Tapered bearing is a cost-saving alternative to SAF spherical bearings
- Shaft ready—mounts six times faster than SAF
- Interchangeable with SAF style pillow blocks
- Self aligning, factory assembled, adjusted, and lubricated
- E-TECT seal option available up to 5”
- Optional sensors for speed, vibration, and temperature
- Up to 5° static misalignment

Type C Specialty Tapered Bearings, Page B7-1



- Two single-row tapered bearings press-fitted on sleeve
- Improved concentricity over other collar-mounted types of bearings
- Steel multiple labyrinth seals
- Rugged two-piece outer housing
- Positive concentric clamp sleeve mounting
- Heavy duty gray iron

Special Duty Tapered Roller Bearings, Page B7-1



- Quality duplex tapered roller bearing
- Tapered adapter sleeve mounting
- Effective piston ring seals
- Rugged two-piece housing
- Heavy duty gray iron

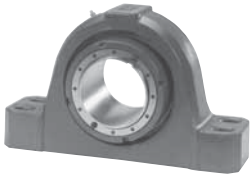
S-2000 Spherical Roller Bearings, Page B8-1

- High-capacity, double-row spherical rollers
- Permits static or dynamic misalignment up to 2°
- Factory sealed, lubed, and adjusted
- Features springlok® collar that acts as a flinger
- Available with TRIDENT triple lip labyrinth seal options
- 65° springlok collar mount for increased holding power vs. 90° or 120°
- Setscrew mounted

UNISPHERE II Spherical Roller Bearings Page B9-1

- Dimensionally interchangeable with ball bearings in length through bore, base-to-center height, and footprint
- Approximately five times the rating of ball bearings
- Features same rolling elements and installation-ready components as S-2000
- Maintains sealing effectiveness with proven “R” seal
- Tapered seal area maintains seal contact during maximum misalignment
- Springlok collar mount with 65° setscrew spacing for optimum clamping force

Imperial IP Spherical Roller Bearings Page B10-1

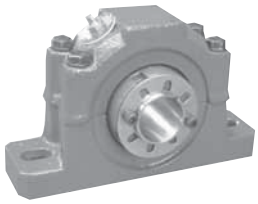


- Industry’s only push/pull adapter mount system
- Available in 2-bolt and 4-bolt pillow blocks, flanges, and take-ups
- Accepts commercial toleranced shafting
- Installation and removal in less than 15 minutes
- Full concentric shaft attachment with adaptor sleeve mount
- Virtually eliminates fretting corrosion
- Capable of withstanding static or dynamic misalignment of ± 1°
- Shaft-ready out of the box
- Available with TRIDENT triple lip labyrinth seal options

REFERENCE GUIDE

DODGE®

ISAF Spherical Roller Bearings
Page B10-10



- Dimensionally interchangeable with SAF style pillow blocks
- Patented Imperial™ adapter mounting system
- Installation and removal in less than 15 minutes
- Easy installation—no feeler gauges needed
- Available with TRIDENT triple lip labyrinth seal options
- Full 2° misalignment capability
- Virtually eliminates fretting corrosion
- Shaft-ready out of the box, no assembly of components necessary

USAF Spherical Roller Bearings
Page B11-30

- 22200, 22300, 23000, 23100, and 23200 Series
- Industry-standard dimensions interchangeable with SAF housings
- Five sealing options to match most operating conditions
- Cast-in dimples locate drill holes for lube fitting, vents, sensors, and mounting modifications
- Standard housings have two oversized drains adaptable for circulating oil systems
- Pry slots allow easy separation of the pillow block

Split-Spher Spherical Roller Bearings
Page B11-5

- Split-race spherical bearing fits USAF 500 housings and replaces bearing and adapter assemblies
- Easy to replace without removing other shaft-mounted components
- Only split-race bearing made to standard SAF pillow block dimensions
- Has same OD dimensions as a standard spherical bearing
- Uses 22200 Series split roller bearings

SNX Spherical Roller Bearings
Page B11-23

- Dimensionally interchangable plummer block with metric SN housing
- General-purpose, high-capacity, double-row, spherical roller bearings
- Adapter and direct mount
- Five different sealing options to match most operating conditions
- Grease or oil lubrication

HFO Plummer Block Bearings
Page B12-9

- Plummer block housings with oil-conveying ring lubrication
- Used with 22200, 22300, 22200K, and 22300K Series spherical roller bearings
- Available with labyrinth seals or end covers
- Material: gray cast iron

PDNF & BLO..A
Page B12-20 and B12-25

- Solid housings incorporate two bearing seats
- Misalignment is virtually eliminated
- PDNF Series is grease lubricated
- BLO..A Series is oil lubricated
- BLO..A Series is designed for heavy duty service

DFL
Page B12-22

- Flange mount housings with two bearing seats
- DFLS version allows for axial adjustment of fan impeller location
- Heavy duty, with double row spherical or deep groove ball bearings
- Standard version is lubricated for life

SOLIDLUBE Sleeve Bearings
Page B13-6

- Functions in harsh environments where ball bearing will not
- Self-lubricating, statically self aligning
- Covers a wide range of temperature extremes
  - 700 Series: -40°F to 700°F
  - 1000 Series: -200°F to -40°F and 250°F to 1000°F
- Housing types: 2-bolt pillow blocks, 4-bolt and 2-bolt flange units, and take-up units
- Ideal where bearings are subject to dry cycles or where lube systems would be too costly
- Recommended for slow speeds and limited shaft movement applications
- Bore sizes 3/4” to 8”

REFERENCE GUIDE

DODGE®

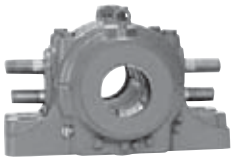
Babbitted & Bronze Bushed Bearings
Page B13-10

- Good for slow to medium and shock loads
- Good for slow speeds and shock loads
- Capable of MPTA load ratings
- Cast-iron housings in 2- and 4-bolt pillow blocks
- Babbitted bearing features solid or fully split housing
- Bronze bushed bearing features fully split housing
- Bronze bushing is split and easily replaced

BRONZOIL
Page B13-12

- Feeds oil to shaft with self-oiling bushing
- Sleeve bearings with split pressed steel housing
- Statically self aligning
- Features bushing shoulder that provides self-lubricating bearing thrust face
- Designed with slotted holes
- Available with oil-resistant rubber grommets for sound isolation and static electricity protection
- Housing types: 2-bolt pillow and 4-bolt flange

SLEEVOIL R Series Hydrodynamic Pillow Block Bearings
Page B14-3



- Extended life (no metal-to-metal contact during operation)
- Handles high speeds
- Dampens vibration, provides quiet operation
- Fully split for ease of maintenance
- Self aligning
- Thrust capability
- External cooling (air, water, or oil) available for hot shafts

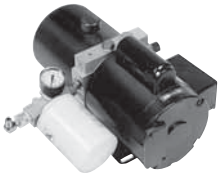
SLEEVOIL RTL Series Hydrodynamic Pillow Block Bearings
Page B14-4

- Extended life (no metal-to-metal contact during operation)
- Handles high speeds
- Dampens vibration, provides quiet operation
- Fully split for ease of maintenance
- Self aligning
- Three times the thrust load capability of R Series
- External cooling (air, water, or oil) available for hot shafts

SLEEVOIL P Series Pedestal Hydrodynamic Bearings
Page B14-5

- P Series is used on motors, generators, fans, test stands, dynamometers, pumps, compressors, and other turbo machinery
- Dimensionally interchangeable with DIN standard 31690 and ISO 11687-1
- Meets API and NEMA end-float specifications
- Fully split components allow trouble-free assembly and disassembly
- Circulating oil-ready housing accommodates high speeds, elevated temperatures, and dirty environments
- Large-capacity oil sump promotes cooler operation

SLEEVOIL Oil Level & Filtration System (OLF)
Page B14-38



- Maintains proper oil level while bearing is running
- Increases bearing performance and life
- Allows even oil distribution and cooler operating temperatures
- Ensures filtered clean oil
- Permits easy filter change while bearing is operating
- Custom-engineered to support SLEEVOIL bearings

Take-Up Frames
Page B15-1

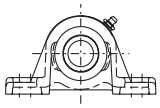
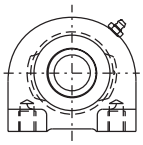
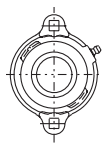
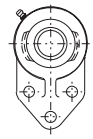
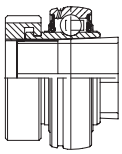
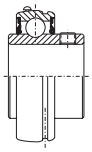
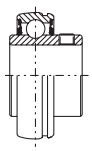
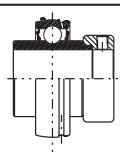
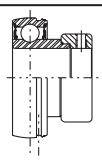
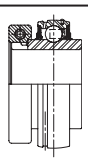
- 6 take-up frame types available from stock
- Standard take-up frame travel from 1-1/2" to 60"
- Take-up frames allow for the mounting of Dodge ball, roller, and sleeve bearings
- Take-up frame capacity is pre-engineered to exceed bearing capacity
- Made to provide/maintain tension and shaft centers on a variety of belt and chain-type conveyors
- Hydraulic and pneumatic tensioning available

Smart Products
Page B6-61, B10-66

- Online monitoring of temperature, vibration, and speed
- EZ Link Connects to DeviceNetTM
- Plug and play installation
- Available on TAF and USAF

BALL BEARING INDEX

DODGE®

INSERTS		HOUSING					
		 P2B-	 TB-	F2B-	 LFT-	 FB-	
	 GT	P2B-GT- . . . B2-8 P2B-GTEZ- . . . PCR B1-14 P2B-GTEZ- . . CHCR B1-16 P2B-GTM- . . . B2-10	TB-GT- . . . B2-30 TB-GTEZ- . . .PCR B1-30	F2B-GT- . . . B1- F2B-GTEZ-. . .PCR B1-38 F2B-GTEZ-. . .SCHR B1-40 F2B-GTM- . . . B1-		FB-GT -. . . B1- FB-GTEZ-. . .PCR B1-52	
	 SC, SCM	P2B-SC-. . . B3-10 - B3-14 P2B-SCRZ-. . .PCR B1-18 P2B-SCRZ-. . .SHCR B1-20 P2B-SCM- . . . B3-26 - B3-30	TB-SC- . . . B3-42 TB-SCRZ-. . .PEC B1-32	F2B-SC- . . . B3-44 - B3-46 F2B-SCRZ- . . .PCR B1-42 F2B-SCEZ -. . .SHCR B1-44 F2B-SCM- . . . B3-54	LFT-SC- . . . B3-60	FB-SC- . . . B3-64 FB-SCRZ-. . .PCR B1-54	LF-SC- . . . B3-66
	 VSC-	P2B-VSC- . . . B3-32 - B3-34		F2B-VSC- . . . B3-58 F2B-SL- . . . B3-62			F3B-SL- . . . B3-68
	 SXR-	P2B-SXR- . . . B4-10 - B4-14	TB-SXR- . . . B4-28	F2B-SXR- . . . B4-32		FB-SXR- . . . B4-	
	 SXV-	P2B-SXV- . . . B4-20 - B4-24	TB-SXV- . . . B4-30	F2B-SXV- . . . B4-34 F2B-SLX- . . . B4-42	LFT-SXV- . . . B4-40		LF-SXV- . . . B4-44 F3B-SLX- . . . B4-46
	 DL, DLM	P2B-DL- . . . B5-8 - B5-12 P2B-DLEZ . . .PCR B1-24 P2B-DLEZ-SHCR B1-26 P2B-DLM- . . . B5-14 - B5-16	TB-DL- . . . B5-20 TB-DLEZ . . . PCR B1-34	F2B-DL- . . . B5-22 F2B-DLEZ . . .PCR B1-46 F2B-DLEZ . . .SHCR B1-48 F2B-DLM- . . . B5-24	LFT-DL- . . . B5-28	FB-DL- . . . B5-32 FB-DLEZ . . . PCR B1-56	LF-DL- . . . B5-30

Not Recommended

Made to Order / Modification Required

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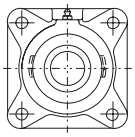
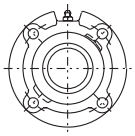
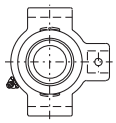
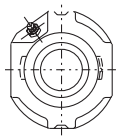
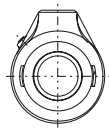
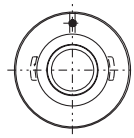
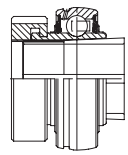
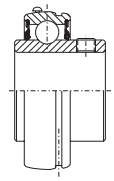
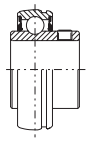
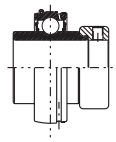
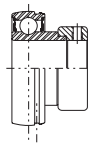
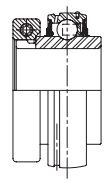
DODGE®

		HOUSING					
 F4B-	 FC-	 NSTU-WSTU-TP-	 HNG-	 SCHB-	 CYL-		
F4B-GT- . . . B2-48 F4B-GTEZ . . . PCR B1-60 F4B-GTEZ . . .SHCR B1-62 F4B-GTM- . . . B2-50	FC-GT- . . . B2-64 FC-GTM- . . . B2-66					 **GT**	
F4B-SC- . . . B3-70 - B3-72 F4B-SCRZ . . . PCR B1-64 F4B-SCRZ . . . SHCR B1-66 F4B-SCM- . . . B3-78	FC-SC- . . . B3-86 FC-SCM- . . . B3-88	NSTU-SC- . . . NTSU-SCM- . . . TP-G- . . . B3-90 - B3-92 WSTU-SCEZ. . .PCR B1-78 WSTU-SC- . . . WSTU-SCM- . . . TP-G- . . . B3-98 - B3-100	HNG-SC- . . . B3-114	SCHB-SC- . . . B3-116	CYL-SC- . . . B3-118	 SC, SCM	I N S E R T S
F4B-VSC- . . . B3-82 F4B-SL- . . . B3-84		WSTU-VSC- . . . B3-106 NSTU-VSC- . . . B3-96				 VSC-	
F4B-SXR- . . . B4-48	FC-SXR- . . .	WSTU-SXR- . . . NSTU-SXR- . . . TP-GXR- . . . B4-62, B4-64 B4-66	HNG-SXR- . . . B4-70	SCHB-SXR- . . . B4-72	CYL-SXR- . . . B4-74	 SXR-	
F4B-SXR- . . . B4-52 F4B-SLX- . . . B4-54	FC-SXV- . . . B4-34	NSTU-SXV- . . . WSTU-SXV- . . . B4-62 - B4-66				 SXV-	
F4B-DL- . . . B5-34 F4B-DLEZ . . . PCR B1-68 F4B-DLEZ . . .SHCR B1-70 F4B-DLM- . . . B5-36 - B5-38	FC-DL- . . . B5-40 FC-DLM- . . . B5-42	NSTU-DL- . . . NSTU-DLM- . . . B5-44 - B5-46 WTSU-DLEZ. . .PCR B1-78 WSTU-DL- . . . WSTU-DLM- . . . B5-48 - B5-50 TP-DL, TPDLM B5-52 - B5-54		SCHB-DL . . . B5-56	CYL-DL- . . . B5-58	 DL, DLM	

Not Recommended

Made to Order / Modification Required

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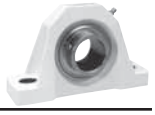

E-Z KLEEN Polymer and Stainless Steel Housed Ball & Sleeve Bearings

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FEATURES/BENEFITS

DODGE®

Polymer and Stainless Steel Housed Mounted Bearings

Our goal at DODGE is to create the world's most successful customer. We do that by listening and responding to our customers' needs. Customers in the food and beverage processing industry told us they needed new and improved products that help make their industry safer - products that help in the fight against contamination from bacteria such as E. coli, salmonella, and staphylococcus aureus.

DODGE delivered by expanding our high performance E-Z KLEEN line with this new, improved generation of E-Z KLEEN engineered polymer housed ball and sleeve bearings and stainless steel housed ball bearings.

New DODGE E-Z KLEEN with solid-based housing

Competitive bearing with cavities and fillings that can trap bacteria

RUGGED, SOLID-BASE HOUSING

- Manufactured with no cavities and no fillings -no traps for bacteria
- Features anti-microbial polymer that helps prevent bacterial and fungal growth (polymer housing)
- Housing strength exceeds static capacity of bearing
- Designed with stainless steel lube fittings and stainless steel ferrules in bolt holes (polymer housed)
- 316 Series stainless steel housing also available
- For no relube (NL) remove the lube fitting and install the polymer plug that is shipped with each bearing
- Retains dimensional stability in harsh environments
- No flaking or peeling, even after repeated washdowns
- Provides excellent chemical resistance
- Available with open enclosed end closures
- FDA/USDA complaint

CORROSION-RESISTANT BALL BEARING INSERTS

- Corrosion resistant PROGUARD™ Plus seal with stainless steel flingers
- Corrosion-resistant inner and outer ring
- Stainless steel balls and lube fitting
- Stainless steel setscrews (SC) and stainless steel capscrew (DLOK)
- FDA/USA approved synthetic lubricant
- Relubricable
- Anti-rotation pin
- Reinforced, stabilized nylon cage
- Offered in inch and metric sizes
- Temperature range -20° to +225° F

THREE SHAFT LOCKING SYSTEMS FROM STOCK

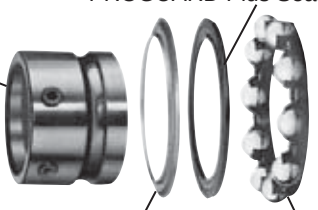
- SC - Two stainless-steel setscrews set 65 apart
- D-LOK - Corrosion resistant concentric collar
- GT-GRIP TIGHT

POPULAR HOUSING STYLES

Polymer	Stainless Steel
• Pillow blocks	• Pillow Block
• Tapped-base pillow blocks	• 2 and 4 bolt flange bearings
• 2 and 4 bolt flange bearings	
• Flange brackets	
• Wide slot take-up bearings	

Corrosion Resistant Inner And Outer Ring Out Performs Other 400 Series Stainless Steel Precision Hardened And Honed Inner And Outer Rings

Corrosion Resistant PROGUARD Plus Seal



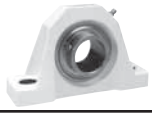
65° Stainless Setscrews Locking

Stainless Steel Balls

Stainless Steel Flinger

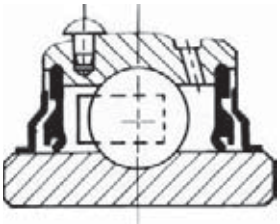
RESULTS OF HOUSING ANTI-MICROBIAL ACTIVITY AGAINST TEST ORGANISMS

TEST ORGANISM	TYPE OF ORGANISM	GROWTH-FREE ZONE (MM)	CONTACT INHIBITION (%)
Staphylococcus aureus	Bacterial	0	100
Aspergillus niger	Fungal	0	100

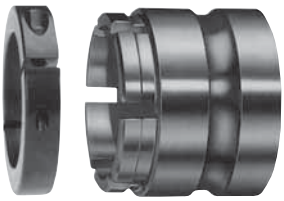


Polymer and Stainless Steel Housed Mounted Bearings

DODGE PROGUARD™ PLUS SEAL



Corrosion resistant PROGUARD Plus seal with flingers - a combination contact land-riding seal and labyrinth - keeps lubricants in, contaminants out.



D-LOK DL

PRECISION-HARDENED AND HONED INNER AND OUTER RINGS

Precision-hardened and honed inner and outer rings for wear resistance, quieter operation, and longer life.

ANTI-ROTATION PIN

Anti-rotation pin prevents rotation of the insert within the housing.

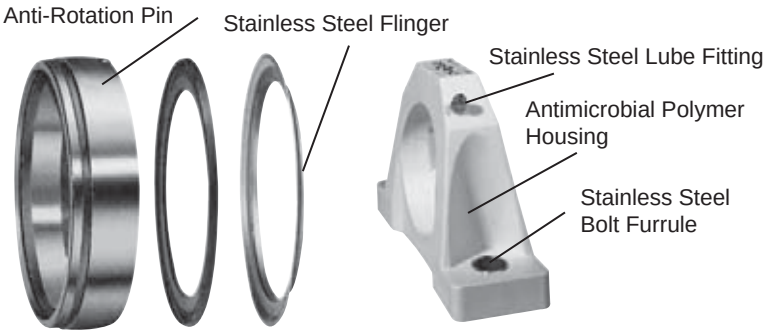
Simple and effective, it makes inserts easier to replace.

Stainless Steel Anti-Rotation Pin

POLYMER SLEEVE

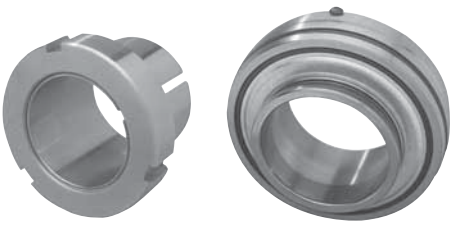
E-Z KLEEN POLYMER HOUSED BEARING WITH POLYMER SLEEVE INSERT

- Targeted for wet, cool and coldside environments/ applications
- Self-lubricating polymer sleeve insert
- All polymer and stainless-steel construction
- Features stainless-steel antirotation pin on sphere of insert
- Resist fungus and bacterial growth
- Ensures quiet operation
- Conforms to FDA/USDA specifications
- Offered in both inch and meter sizes



CORROSION RESISTANT PROGUARD PLUS SEAL

STAINLESS HOUSING

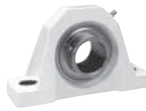


GRIP-TIGHT LOCKING SYSTEM

Full Contact on shaft for better grip, less vibration.

Setscrew locking can distort the inner ring and cause system-induced vibration. But with the DODGE GRIP-TIGHT Adapter, the adapter attaches itself to the shaft for full concentric contact - 360° through the length of the bearing.

HOW TO ORDER/ NOMENCLATURE



E-Z KLEEN Polymer and Stainless Steel Housed Mounted Bearings

HOW TO ORDER

There are two ways to specify DODGE polymer-housed ball bearings. Most of the product offerings have part numbers with listings shown throughout this brochure. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description for options not covered by the nomenclature.

NOMENCLATURE

P2B - SCHUEZ - 104S = PCR

- Modification Or Feature:
  - CR = Corrosion resistant insert
  - LL = Low torque labyrinth seal
  - MOD = Modified
  - NL = No Lube (sealed for life)
  - P = Polymer housing
  - SH = Stainless Steel Housing
- Shaft Size
  - Inches:
    - First digit = Number of inches
    - Second & third digits = Number of sixteenths of an inch
      - 104 = Indicates 1-4/16 or 1-1/4
    - S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
    - L = Next larger ring size. E.g. 1/2 204 would be written as 008L
  - Metric:
    - First two digits = number of millimeters
    - M = Metric
- Bearing Type:
  - SC = Wide inner ring, normal duty, 65° setscrew locking
  - DL = Wide inner ring, normal duty, concentric clamp collar
  - GT = Wide inner ring, normal duty, thin wall adapter locking
  - PS = Polymer Sleeve Insert
  - Suffixes to the above:
    - EZ = EZ-KLEEN (used with polymer or stainless steel housed units)
    - BEZ = Low backing height pillow block, EZ-KLEEN
    - UEZ = higher back pillow block, EZ-KLEEN (for interchangeability with competitive pillow blocks)
- Housing:
  - F2B = 2 bolt flange
  - F4B = 4 bolt flange
  - FB = Flanged bracket
  - INS = Insert
  - P2B = Pillow block, 2 bolt base
  - TB = Tapped base pillow block
  - WSTU = Wide slot take-up

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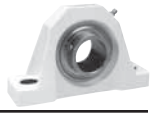

Selection of DODGE E-Z KLEEN Polymer and Stainless Steel Housed Ball Bearings

DODGE E-Z KLEEN ball bearings are primarily designed for radial loading. However, they have the capacity to carry thrust loads and combined radial/thrust loads. The maximum recommended load which can be applied is limited by various components in the system, such as bearing, housing, shaft attachments, speed and life requirements as listed in this catalog and the instruction manual that accompanies each bearing. DODGE E-Z KLEEN ball bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Engineering, 864-281-2195, for applications which exceed these recommendations.

Select a bearing from the Selection table that has a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial load for a desired L_{10} life. (Table 2 for English shaft sizes and Table 3 for metric shaft sizes) This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L10 Hours Life-is the life which may be expected for at least 90% of a given group of bearings operating under identical conditions.

Heavy Service-For heavy shock loads, frequent shock loads or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult Application Engineering for additional selection assistance.

A maximum thrust load value of C/10 is recommended as a guide for general applications and will give adequate L_{10} life. If the thrust load exceeds this limit, it is advisable to use auxiliary thrust carrying devices, such as a shaft shoulder, snap ring, or a thrust collar. Where substantial radial load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices, such as sheer bars, are advisable for side or end-loading of pillow blocks and radial loads for flange units.

To determine the $_{L10}$ hours life for loads and RPM's not listed use the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^3 \times \frac{16667}{RPM}$$

Where:

L_{10}= Life, hours

C = Dynamic Capacity, lbs. or N

P = Equivalent Radial Load, lbs. or N

RPM = Revolution per minute

When the load on a ball bearing is solely a radial load with no thrust (axial) load, the Equivalent Radial Load (P) is equal to the actual radial load. However, when a thrust (axial) load is applied, the radial and thrust loads applied must be converted into an Equivalent Radial Load. The use of the X (radial factor) and Y (thrust factor) from Table 1 convert the actual applied thrust and radial loads to an Equivalent Radial Load which has the same effect on the life of a bearing as a radial load of this magnitude.

$P = (X \times F_R) + (Y \times F_A)$

Where:

P = Equivalent Radial Load, lbs.

F_R= Radial load, lbs.

F_A= Thrust load, lbs.

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y = Thrust Factor (Table 1)

C_0= Basic static capacity (Table 2 or 3)

To find X and Y, first calculate F_A/C_0 to determine e. Calculate F_A/F_R and compare to e to determine the X and Y factors to use from Table 1.

Substitute all known values into the Equivalent Radial Load equation. The Equivalent Radial loads (P) thus determined can be used in the L10 life formula or compared to the allowable Equivalent Radial Load rating desired in the expanded rating chart to select a bearing (Table 2).

If calculated value of P is less than F_R, use $P=F_R$.

Table 1

$F_A C_o$	e	Radial/Thrust Factors			
		If F_A/F_R is equal to or less than e		If F_A/F_R is greater than e	
		$F_A/F_R \le e$		$F_A/F_R > e$	
		X	Y	X	Y
.014	.19	1	0	0.56	2.30
.021	.21	1	0	0.56	2.15
.028	.22	1	0	0.56	1.99
.042	.24	1	0	0.56	1.85
.056	.26	1	0	0.56	1.71
.070	.27	1	0	0.56	1.63
.084	.28	1	0	0.56	1.55
.110	.30	1	0	0.56	1.45
.170	.34	1	0	0.56	1.31
.280	.38	1	0	0.56	1.15
.420	.42	1	0	0.56	1.04
.560	.44	1	0	0.56	1.00

Lubrication- DODGE Ball Bearings are lubricated at the factory and are ready to run. The bearings are initially lubricated with an aluminum complex based, H1 Food Grade grease and should be relubricated with the same or some equivalent. For high speeds, high loads, extreme temperatures and other abnormal operating conditions, special greases may be required. Contact DODGE Application Engineering for recommendations on these types of applications.

Misalignment - DODGE Ball Bearings are designed to allow a maximum of 2° static misalignment. These bearings are not suitable for dynamic misalignment. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightening in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Shaft Tolerances		
Normal Shaft Size Inches	Recommended Shaft Tolerances SC & D-LOK Products (Inches)	Recommended Shaft Tolerances GRIP TIGHT Ball Bearings Inches
Up to 1-1/2"	+0.000 -.0005	+0.000 -0.002
Over 1-1/2 to 2"	+0.000 -.0010	+0.000 -.0.003

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EASY SELECTION

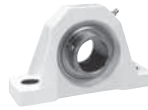

Table 2 - Easy Selection For Polymer And Stainless Steel Housed E-Z KLEEN Ball Bearing Mounted Bearings - Inch

RING SIZE	SHAFT SIZE	DYNAMIC CAPACITY C, lbs.	STATIC CAPACITY C0, LBS	L10 LIFE HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATINGS (lbs) AT VARIOUS RPM*																		
					50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4500	5000	5500	7500	9500	11000	12000
204	3/4	2899	1390	20000	740	515	435	345	300	275	240	225	215	200	190	180	165	160	155	140	129	123	119
				30000	645	450	380	300	260	240	210	200	190	175	165	155	145	140	135	120	113	107	104
				40000	590	410	345	275	240	215	190	180	170	160	150	145	130	125	125	110	102	97	95
				60000	515	355	300	240	210	190	165	155	150	140	130	125	115	110	105	95	89	85	83
				100000	435	300	255	200	175	160	140	130	125	115	110	105	190	95	90	80	75	72	70
205	7/8 15/16 1	3146	1565	20000	805	560	470	375	325	295	260	245	235	220	205	195	180	175	170	150	140	133	129
				30000	705	485	410	325	285	260	225	215	205	190	180	170	155	150	145	130	122	116	113
				40000	640	445	375	295	260	235	205	195	185	175	165	155	140	135	135	120	111	106	103
				60000	560	385	325	260	225	205	180	170	165	150	140	135	125	120	115	105	97	92	90
				100000	470	325	275	220	190	175	150	145	135	125	120	115	195	100	100	90	82	78	76
206	1-1/8 1-3/16 1-1/4	4368	2250	20000	1115	775	655	520	455	410	360	340	325	305	285	270	250	240	235	210	194	185	
				30000	975	675	570	455	395	360	315	300	285	265	250	235	220	210	205	183	170	161	
				40000	885	615	520	410	360	325	285	270	260	240	225	215	200	190	185	167	154	147	
				60000	775	535	455	360	315	285	250	235	225	210	200	190	175	165	160	146	135	128	
				100000	655	455	380	305	265	240	210	200	190	175	165	160	145	140	135	123	113	108	
207	1-1/4 1-3/8 1-7/16	5759	3065	20000	1475	1020	860	685	595	545	475	450	430	400	375	355	330	315	305	279	256		
				30000	1285	890	755	595	520	475	415	395	375	350	330	310	285	275	270	242	224		
				40000	1170	810	685	545	475	430	375	355	340	315	300	285	260	250	245	220	203		
				60000	1020	710	595	475	415	375	330	310	300	275	260	250	230	220	215	192	177		
				100000	860	595	505	400	350	315	275	265	250	235	220	210	190	185	180	162	150		
208	1-1/2	7332	4005	20000	1875	1300	1095	870	760	690	605	575	550	510	480	455	420	405	392	352			
				30000	1640	1135	960	760	665	605	525	500	480	445	420	400	365	355	342	308			
				40000	1490	1030	870	690	605	550	480	455	435	405	380	360	330	320	310	280			
				60000	1300	900	760	605	525	480	420	400	380	355	330	315	290	280	270	244			
				100000	1095	760	640	510	445	405	355	335	320	300	280	265	245	235	229	206			
209	1-5/8 1-11/16 1-374	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590	550	515	490	450	435	420	379			
				30000	1765	1225	1030	820	715	650	570	540	515	480	450	430	395	380	367	331			
				40000	1600	1110	935	745	650	590	515	490	470	435	410	390	360	345	334	301			
				60000	1400	970	820	650	570	515	450	430	410	380	360	340	310	300	292	263			
				100000	1180	820	690	550	480	435	380	360	345	320	300	285	265	255	247	222			
210	1-15/16 2	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590	550	515	490	450	434	420				
				30000	1765	1225	1030	820	715	650	570	540	515	480	450	430	395	379	367				
				40000	1600	1110	935	745	650	590	515	490	470	435	410	390	360	345	334				
				60000	1400	970	820	650	570	515	450	430	410	380	360	340	310	301	292				
				100000	1180	820	690	550	480	435	380	360	345	320	300	285	265	254	247				

* SLIGHT INTERFERENCE FIT REQUIRED WHEN OPERATING TO THE RIGHT OF THE HEAVY LINE OR IN THE SHADED AREA. FOR SC PRODUCT ONLY, OR USE D-LOK OR GT PRODUCTS

Note: Because the allowable loads - especially at low speeds - are extremely high, be sure the shaft strength is adequate and the pillow blocks are base loaded. When imposed load is horizontal, be sure hold-down bolts are adequate. If bearings are cap loaded, full details on load, speed, and shaft size should be referred to DODGE Application Engineering.

Use GT with labyrinth seals when operating right of heavy •••••••• line

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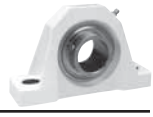

Table 3 - Easy Selection For Polymer And Stainless Steel Housed E-Z KLEEN Ball Bearing Mounted Bearings - Metric

RING SIZE	SHAFT SIZE	DYNAMIC CAPACITY C, N	STATIC CAPACITY C0, N	L10 LIFE HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATINGS (N) AT VARIOUS RPM*																		
					50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4500	5000	5500	7500	9500	11000	12000
204	20mm	12895	6183	20000	3292	2291	1935	1535	1334	1223	1068	1001	956	890	845	801	734	712	689	623	574	547	529
				30000	2869	2002	1690	1334	1156	1068	934	890	845	778	734	689	645	623	600	534	503	476	463
				40000	2624	1824	1535	1223	1068	956	845	801	756	712	667	645	578	556	556	489	454	431	423
				60000	2291	1579	1334	1068	934	845	734	689	667	623	578	556	512	489	467	423	396	378	369
				100000	1935	1334	1134	890	778	712	623	578	556	512	489	467	400	423	400	356	334	320	311
205	25mm	13993	6961	20000	3581	2491	2091	1668	1446	1312	1156	1090	1045	979	912	867	801	778	756	667	622	592	574
				30000	3136	2157	1824	1446	1268	1156	1001	956	912	845	801	756	689	667	645	578	542	516	503
				40000	2847	1979	1668	1312	1156	1045	912	867	823	778	734	689	623	600	600	534	494	472	458
				60000	2491	1712	1446	1156	1001	912	801	756	734	667	623	600	556	534	512	467	431	409	400
				100000	2091	1446	1223	979	845	778	667	645	600	556	534	512	467	445	445	400	365	347	338
206	30mm	19429	10008	20000	4960	3447	2913	2313	2024	1824	1601	1512	1446	1357	1268	1201	1112	1068	1045	934	862	823	
				30000	4337	3002	2535	2024	1757	1601	1401	1334	1268	1179	1112	1045	979	934	912	814	756	716	
				40000	3936	2736	2313	1824	1601	1446	1268	1201	1156	1068	1001	956	890	845	823	743	685	654	
				60000	3447	2380	2024	1601	1401	1268	1112	1045	1001	934	890	845	778	734	712	649	600	569	
				100000	2913	2024	1690	1357	1179	1068	934	890	845	778	734	712	645	623	600	547	503	480	
207	35mm	25616	13633	20000	6561	4537	3825	3047	2647	2424	2113	2002	1913	1779	1668	1579	1468	1401	1357	1232	1139		
				30000	5716	3959	3358	2647	2313	2113	1846	1757	1668	1557	1468	1379	1268	1223	1201	1076	996		
				40000	5204	3603	3047	2424	2113	1913	1668	1579	1512	1401	1334	1268	1156	1112	1090	978	903		
				60000	4537	3158	2647	2113	1846	1668	1468	1379	1334	1223	1156	1112	1023	979	956	854	787		
				100000	3825	2647	2246	1779	1557	1401	1223	1179	1112	1045	979	934	845	823	801	720	667		
208	40mm	32613	17814	20000	8340	5782	4871	3870	3380	3069	2691	2558	2446	2268	2135	2024	1868	1801	1744	1565			
				30000	7295	5048	4270	3380	2958	2691	2335	2224	2135	1979	1868	1779	1624	1579	1521	1370			
				40000	6628	4581	3870	3069	2691	2446	2135	2024	1935	1801	1690	1601	1468	1423	1378	1245			
				60000	5782	4003	3380	2691	2335	2135	1868	1779	1690	1579	1468	1401	1290	1245	1201	1085			
				100000	4871	3380	2847	2268	1979	1801	1579	1490	1423	1334	1245	1179	1090	1045	1018	916			
209	45mm	35099	19794	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624	2446	2291	2180	2002	1935	1868	1686			
				30000	7851	5449	4581	3647	3180	2891	2535	2402	2291	2135	2002	1913	1757	1690	1632	1472			
				40000	7117	4937	4159	3314	2891	2624	2291	2180	2091	1935	1824	1735	1601	1535	1486	1339			
				60000	6227	4315	3647	2891	2535	2291	2002	1913	1824	1690	1601	1512	1379	1334	1299	1170			
				100000	5249	3647	3169	2446	2135	1935	1690	1601	1535	1423	1334	1268	1179	1134	1099	988			
210	50mm	35099	19794	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624	2446	2291	2180	2002	1931	1868				
				30000	7851	5449	4581	3647	3180	2891	2535	2402	2291	2135	2002	1913	1757	1686	1632				
				40000	7117	4937	4159	3314	2891	2624	2291	2180	2091	1935	1824	1735	1601	1535	1486				
				60000	6227	4315	3647	2891	2535	2291	2002	1913	1824	1690	1601	1512	1379	1339	1299				
				100000	5249	3647	3069	2446	2135	1935	1690	1601	1535	1423	1334	1268	1179	1130	1099				

*SLIGHT INTERFERENCE FIT REQUIRED WHEN OPERATING TO THE RIGHT OF THE HEAVY LINE OR IN THE SHADED AREA. FOR SC PRODUCT ONLY, OR USE D-LOK OR GT PRODUCTS

Note: Because the allowable loads - especially at low speeds - are extremely high, be sure the shaft strength is adequate and the pillow blocks are base loaded. When imposed load is horizontal, be sure hold-down bolts are adequate. If bearings are cap loaded, full details on load, speed, and shaft size should be referred to DODGE Application Engineering.

Use GT with labyrinth seals when operating right of heavy ••••••••• line

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EASY SELECTION

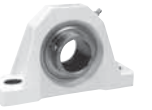

Table 4 - Easy Selection For E-Z KLEEN Polymer-Housed Sleeve Bearing Mounted Units - Inch

RADIAL LOAD RATINGS (LBS) AT VARIOUS REVOLUTIONS PER MINUTE (RPM)

Series	Shaft Size	Up To 10	25	50	75	100	150	200	250
204	3/4	450	400	375	300	230	175	110	90
205	1	600	550	450	215	235	175	110	90
206	1-3/16 1-1/4	900	800	500	325	250	175	110	90
207	1-1/4 1-7/16	1000	900	600	400	300	175	120	95
208	1-1/2	1400	1200	700	430	320	180	125	95
209	1-11/16 1-3/4	1600	1400	725	435	335	180	125	95
210	1-15/16	1800	1600	750	450	350	185	130	100

RADIAL LOAD RATINGS (LBS) AT VARIOUS REVOLUTIONS PER MINUTE (RPM)

Series	Shaft Size	300	350	400	450	500	550	600	650
204	3/4	60	50	45	40	35	25	20	15
205	1	60	50	45	40	35	25	20	15
206	1-3/16 1-1/4	65	60	50	40	35	30	25	20
207	1-1/4 1-7/16	70	65	55	45	40	35	30	
208	1-1/2	70	65	55	45	40	35		
209	1-11/16 1-3/4	70	65	55	45	40			
210	1-15/16	80	70	60	50	45			

Continuous operating temperature: -40 to 180° F

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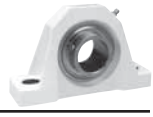

Table 5 - Easy Selection For E-Z KLEEN Polymer-Housed Sleeve Bearing Mounted Units - Metric

RADIAL LOAD RATINGS (NEWTONS) AT VARIOUS REVOLUTIONS PER MINUTE (RPM)

Series	Shaft Size	Up To 10	25	50	75	100	150	200	250
204	20	2000	1775	1665	1330	1020	775	485	400
205	25	2665	2445	2000	1400	1045	775	485	400
206	30	4000	3555	2220	1445	1110	775	485	400
207	35	4445	4000	2665	1775	1330	775	530	420
208	40	6225	5335	3110	1910	1420	8000	555	420
209	45	7115	6225	3220	1930	1490	8000	555	420
210	50	8005	7115	3335	2000	1555	820	575	440

RADIAL LOAD RATINGS (NEWTONS) AT VARIOUS REVOLUTIONS PER MINUTE (RPM)

Series	Shaft Size	300	350	400	450	500	550	600	650
204	20	265	220	200	175	155	110	85	65
205	25	265	220	200	175	155	110	85	65
206	30	285	265	220	175	155	130	110	85
207	35	310	285	240	200	175	155	130	
208	40	310	285	240	200	175	155		
209	45	310	285	240	200	175			
210	50	355	310	265	220	200			

Continuous operating temperature: -40 to 82° C

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EASY SELECTION

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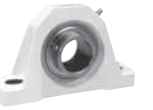

E-Z KLEEN POLYMER HOUSINGS

General Resistance to Chemical Groups at Room Temperature (20°C/68°F)

Chemical Group	Condition Or Subgroup	Resistance
Inorganic Acids (non-oxidizing)	concentrated	-
	diluted (1:1)	+1.00
	highly diluted	+1.00
Inorganic Acids (oxidizing)	concentrated	-
	diluted (1:1)	-
	highly diluted	+
Organic Acids	concentrated	=
	diluted (1:1)	+
	highly diluted	+
Bases	concentrated	-
	diluted (1:1)	-
	highly diluted	=
Salt Solutions	acidic	+
	neutral	+
	basic	=
Aliphatic Hydrocarbons		+
	oils and greases	+
Aromatic Hydrocarbons		=
	phenols	-
Halogenated Hydrocarbons	perhalogenated	+
	partially halogenated	-
Alcohols	monovalent	+
	polyvalent	=
Ketones		=
Esters		=
Ethers		+

(1) except hydrofluoric acid

(+) excellent resistance (=) good-fair resistance (-) fair-poor resistance (blank) no data available

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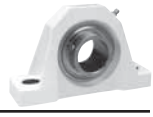

CHEMICAL RESISTANCE CHART

Chemical Agent	Solution Conc.	@ 23°C (73°F)		@ 60°C (140°F)		@ 80°C (175°F)
		Polymer Housing	Polymer Insert	Polymer Housing	Polymer Insert	Polymer Housing
A						
Acetic Acid	5%	+	+	=		=
Acetic Acid	10%	+		=		=
Acetic Acid	20%	=	-	=	-	=
Acetic Acid	80%	=	-	=	-	=
Acetic Acid	100%	=		=		=
Acetone		=	=			
Ammonium Chloride	10%		+		+	
Ammonium Hydroxide	10%	=	-			
Ammonium Hydroxide	conc.	-				
Aniline		+	=		=	
B						
Benzene		=	=	=	=	
Bleaching Lye		+		+		
Brake Fluid		+	+	+	+	+
Butane		+				
Butanol		=		=		
Butyl Acetate		+		=		
C						
Calcium Chloride	5%	+	+	+		
Calcium Chloride	10%	+		+		
Calcium Hydroxide	10%		+		+	
Calcium Hypochlorite		+		+		
Carbon Disulphide		+				
Carbon Tetrachloride		+	+			
Castor Oil			+			
Chloroform		-				
Chromic Acid	40%	+		-		-
Citric Acid	10%	+		+		+
Cottonseed Oil		+		+		+
Cresol		-		-		-
D						
Detergents	1%	+	+	=		-
Detergents	25%	+	+	=		-
Dibutyl Phthalate		+		+		
Diesel Oil		+				
Dioxane		+	=	-	=	
E						
Ethanol		+	=			
Ether (diethyl-)		+				
Ethyl Acetate		=	=			
Ethylene Dichloride		-				

(+) excellent resistance (=) good-fair resistance (-) fair-poor resistance (blank) no data available

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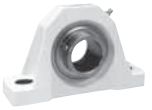
EASY SELECTION

DODGE®

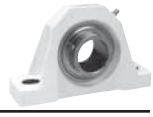


CHEMICAL RESISTANCE CHART

Chemical Agent	Solution Conc.	@ 23°C (73°F)		@ 60°C (140°F)		@ 80°C (175°F)
		Polymer Housing	Polymer Insert	Polymer Housing	Polymer Insert	Polymer Housing
F						
Ferrous Chloride	5%		+			
Formic Acid	5%	+		=		+
Formic Acid	90%	=		-		-
Freon 11		+				
G						
Gasoline		+	+			
Glycerol (Glycerin)		=		=		
Glycol		=		=		
Grease		+	+	+	+	+
H						
Heptane		+				
Hexane		+	+		+	
Hydrochloric Acid	10%	+	-	=	-	-
Hydrochloric Acid	90%	-	-	-	-	-
Hydrofluoric Acid	5%	-		-		-
Hydrofluoric Acid	50%	-		-		-
Hydrogen Peroxide	3%	+	+			
Hydrogen Peroxide	30%	=	+			
IJ						
Isoamyle Alcohol			=		=	
Isopropanol		=		=		
KL						
Kerosene		+	+		+	
Lithium Chloride	43%		+		+	
M						
Methanol		+	=		=	
Methylene Chloride		-	+	-		
Methyl Ethyl Ketone		+	+	=	+	
Methyl Salicylate			+			
Mineral Oil		+	+	+	+	+
Motor Oils		+	+	+	+	+
N						
Nitric Acid	10%	+	-	=	-	=
Nitric Acid	40%	-	-	-	-	-
Nitric Acid	70%	-	-	-	-	-
O						
Oleic Acid	100%	+		+		+
Olive Oil		+	+	+	+	+
P						
Perchloroethylene		+	=	=	=	
Petroleum Ether		+				
Phenol		=		-	-	-

(+) excellent resistance (=) good-fair resistance (-) fair-poor resistance (blank) no data available

FEATURES/BENEFITS PAGE B1-2	DIMENSIONS PAGE B1-14	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90



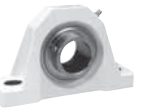
CHEMICAL RESISTANCE CHART

Chemical Agent	Solution Conc.	@ 23°C (73°F)		@ 60°C (140°F)		@ 80°C (175°F)
		Polymer Housing	Polymer Insert	Polymer Housing	Polymer Insert	Polymer Housing
P						
Phosphoric Acid	3%	+		+		+
Phosphoric Acid	30%	+	-	+	-	+
Phosphoric Acid	85%	+	-	+	-	-
Potassium Chloride	10%	+		=		-
Potassium Dichromate	10%	+				
Potassium Hydroxide	1%	-		-		-
Potassium Hydroxide	10%	-		-		-
Potassium Hydroxide	60%	-		-		-
Potassium Permanganate	10%	+	+		+	
S						
Silicone Fluids		+		+		+
Soap Solution	1%	+	+	=	=	-
Sodium Bicarbonate	10%	+		=		-
Sodium Bisulfate	5%		+			
Sodium Bisulfite	5%	+	-			
Sodium Bisulfite	10%	+	-	=		-
Sodium Carbonate	10%	+		-		-
Sodium Carbonate	20%	+		-		-
Sodium Chloride	10%	+	+	=	+	-
Sodium Hydroxide	1%	-		-		-
Sodium Hydroxide	10%	-	-	-		-
Sodium Hydroxide	60%	-		-		-
Sodium Hypochlorite	5%	+	-			
Sodium Hypochlorite	10%	+		=		-
Sulfuric Acid	3%	+	-	+	-	+
Sulfuric Acid	30%	+	-	+	-	-
Sulfuric Acid	98%	-	-	-	-	-
T						
Tetrahydofuran		=				
Toulene		+	=			
Transformer Oil		+	+	+	+	+
Trichlorethylene		=				
Triethylamine			=		=	
Turpentine		+				
V						
Vaseline		+		+		+
Vegetable Oils		+	+	+	+	+
W						
Water		+	+	=	=	-
White Spirits		+				
X						
Xylene		+				

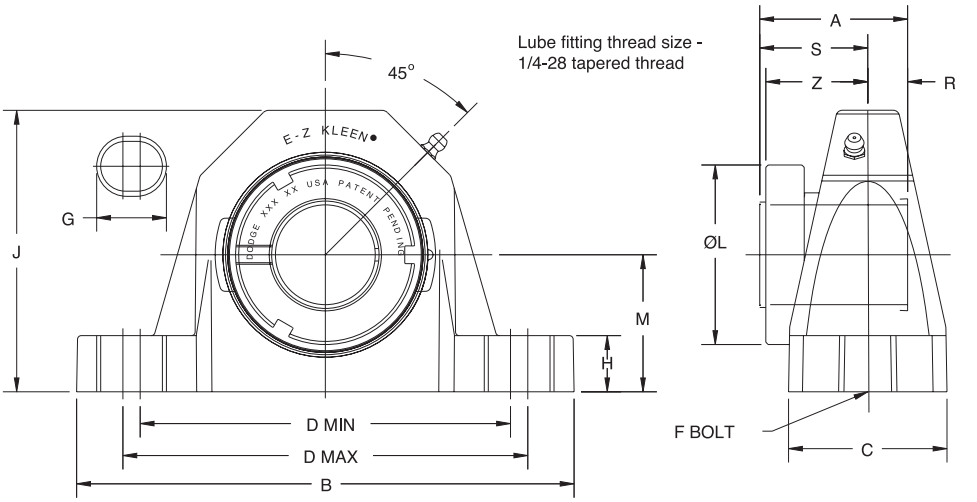
(+) excellent resistance (=) good-fair resistance (-) fair-poor resistance (blank) no data available

FEATURES/BENEFITS PAGE B1-2	DIMENSIONS PAGE B1-14	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings
GTEZ Normal Duty Polymer Housed Pillow Blocks



Series	Shaft Size	Complete Unit		Unit without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129244**	P2B-GTEZ-012-PCR	**129530**	P2B-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
	20mm	***129245***	*P2B-GTEZ-20M-PCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129246**	P2B-GTEZ-100-PCR	**129531**	P2B-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
	25mm	***129247***	*P2B-GTEZ-25M-PCR*			***129981***	*AN-GT-05-25M-CR*
206 (GTU)	1-1/8	@	P2B-GTUEZ-102-PCR	**129536**	P2B-GTUEZ-06-PCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129248**	P2B-GTUEZ-103-PCR			**129602**	AN-GT-06-103-CR
	1-1/4	**129249**	P2B-GTUEZ-104S-PCR			**129603**	AN-GT-06-104S-CR
	30mm	***129250***	*P2B-GTUEZ-30M-PCR*			***129611***	*AN-GT-06-30M-CR*
207	1-1/4	**129251**	P2B-GTEZ-104-PCR	**129532**	P2B-GTEZ-07-PCR	**129972**	AN-GT-07-104-CR
	1-3/8	**129392**	P2B-GTEZ-106-PCR			**129973**	AN-GT-07-106-CR
	1-7/16	**129252**	P2B-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR
	35mm	***129253***	*P2B-GTEZ-35M-PCR*			***129983***	*AN-GT-07-35M-CR*
208 (GTB)	1-1/2	**129254**	P2B-GTBEZ-108-PCR	**129535**	P2B-GTBEZ-08-PCR	**129606**	AN-GT-08-108-CR
	40mm	***129255***	*P2B-GTBEZ-40M-PCR*			***129613***	*AN-GT-08-40M-CR*
209	1-11/16	**129256**	P2B-GTEZ-111-PCR	**129533**	P2B-GTEZ-09-PCR	**129976**	AN-GT-09-111-CR
	1-3/4	**129396**	P2B-GTEZ-112-PCR			**129977**	AN-GT-09-112-CR
	45mm	***129257***	*P2B-GTEZ-45M-PCR*			***129985***	*AN-GT-09-45M-CR*
210	1-15/16	**129258**	P2B-GTEZ-115-PCR	**129534**	P2B-GTEZ-10-PCR	**129978**	AN-GT-10-115-CR
	2	**129393**	P2B-GTEZ-200-PCR			**129979**	AN-GT-10-200-CR
	50mm	***129259***	*P2B-GTEZ-50M-PCR*			***129986***	*AN-GT-10-50M-CR*

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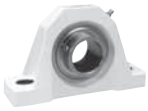

E-Z KLEEN Mounted Bearings
GTEZ Normal Duty Polymer Housed Pillow Blocks

Series	Shaft Size	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R#	S#	Z
						min.	max.									
204	3/4	0.9	1-15/32	5-1/32	1-31/64	3-43/64	3-59/64	3/8	19/32	39/64	2-5/8	1-1/2	1-5/16	31/64	63/64	1-3/64
	20 mm	*0.4*	*37.3*	*127.8*	*37.7*	*93.3*	*99.6*	*M10*	*15.1*	*15.5*	*66.7*	*38.1*	*33.3*	*12.3*	*25*	*26.6*
205	1	1.1	1-29/64	5-1/2	1-31/64	3-31/32	4-13/64	3/8	19/32	39/64	2-55/64	1-51/64	1-7/16	1/2	61/64	1-1/64
	25 mm	*0.5*	*36.9*	*139.7*	*37.7*	*100.8*	*106.8*	*M10*	*15.1*	*15.5*	*72.6*	*45.6*	*36.5*	*12.8*	*24.2*	*25.8*
206 (GTU)	1-1/8	1.8	1-39/64	6-5/16	1-25/32	4-39/64	4-57/64	1/2	23/32	45/64	3-11/32	2-5/64	1-11/16	17/32	1-5/64	1-1/8
	1-3/16	1.7														
	1-1/4	1.6														
	30 mm	*0.8*	*40.9*	*160.3*	*45.2*	*116.9*	*124.2*	*M12*	*18.3*	*17.9*	*84.9*	*52.8*	*42.9*	*13.5*	*27.4*	*28.6*
207	1-1/4	2.5	1-5/8	6-35/64	1-7/8	4-13/16	5-1/8	1/2	23/32	23/32	3-57/64	2-3/8	1-7/8	9/16	1-1/16	1-9/64
	1-3/8	2.4														
	1-7/16	2.4														
	35 mm	*1.1*	*41.3*	*166.3*	*47.6*	*122.2*	*130.2*	*M12*	*18.3*	*18.3*	*98.8*	*60.3*	*47.6*	*14.3*	*27*	*29.0*
208 (GTB)	1-1/2	3.0	1-27/32	7-13/64	2-7/64	5-7/64	5-41/64	1/2	7/8	49/64	4-11/64	2-5/8	1-15/16	21/32	1-3/16	1-15/64
	40 mm	*1.4*	*46.8*	*183.0*	*53.6*	*129.6*	*143.3*	*M12*	*22.2*	*19.4*	*106*	*66.7*	*49.2*	*16.7*	*30.2*	*31.4*
209	1-11/16	3.4	1-55/64	7-13/64	2-7/64	5-31/32	5-27/64	1/2	7/8	27/32	4-5/16	2-5/64	2-1/8	21/32	1-3/16	1-9/32
	1-3/4	3.3														
	45 mm	*1.6*	*47.2*	*183.0*	*53.6*	*137.7*	*151.6*	*M12*	*22.2*	*21.4*	*109.5*	*72.6*	*54*	*16.7*	*30.2*	*32.5*
210	1-15/16	4.2	1-55/64	8-1/16	2-23/64	6	6-9/16	5/8	1	59/64	4-9/16	3-1/8	2-1/4	21/32	1-13/64	1-9/32
	2	4.1														
	50 mm	*1.7*	*47.2*	*204.8*	*59.9*	*152.4*	*166.7*	*M16*	*25.4*	*23.4*	*115.9*	*79.4*	*57.2*	*16.7*	*30.6*	*32.5*

#R & S dimensions will vary slightly depending on true shaft diameter

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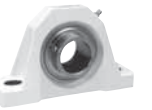
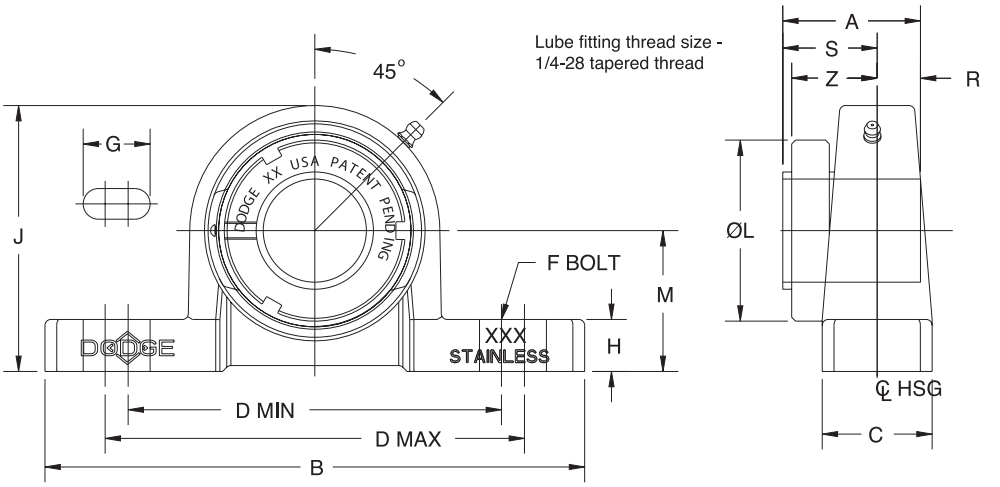
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129260**	P2B-GTEZ-012-SHCR	**129559**	P2B-GTEZ-04-SHCR	**129967**	AN-GT-04-012-CR
	20mm	***129261***	*P2B-GTEZ-20M-SHCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129262**	P2B-GTEZ-100-SHCR	**129560**	P2B-GTEZ-05-SHCR	**129968**	AN-GT-05-100-CR
	25mm	***129263***	*P2B-GTEZ-25M-SHCR*			***129981***	*AN-GT-05-25M-CR*
206	1-1/8	**064994**	P2B-GTEZ-102-SHCR	**129561**	P2B-GTEZ-06-SHCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129264**	P2B-GTEZ-103-SHCR			**129970**	AN-GT-06-103-CR
	1-1/4	**@**	P2B-GTEZ-104S-SHCR			**129971**	AN-GT-06-104-CR
	30mm	*@*	*P2B-GTEZ-30M-SHCR*			***129982***	*AN-GT-06-30M-CR*
206 (GTU)	1-1/8	**@**	P2B-GTUEZ-102-SHCR	**129566**	P2B-GTUEZ-06-SHCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129265**	P2B-GTUEZ-103-SHCR			**129602**	AN-GT-06-103-CR
	1-1/4	**129266**	P2B-GTUEZ-104S-SHCR			**129605**	AN-GT-06-104S-CR
	30mm	***129267***	*P2B-GTUEZ-30M-SHCR*			***129612***	*AN-GT-06-30M-CR*
207	1-1/4	**129268**	P2B-GTEZ-104-SHCR	**129562**	P2B-GTEZ-07-SHCR	**129972**	AN-GT-07-104-CR
	1-3/8	**067678**	P2B-GTEZ-106-SHCR			**129973**	AN-GT-07-106-CR
	1-7/16	**129269**	P2B-GTEZ-107-SHCR			**129974**	AN-GT-07-107-CR
	35mm	***129270***	*P2B-GTEZ-35M-SHCR*			***129983***	*AN-GT-07-35M-CR*
208	1-1/2	**129271**	P2B-GTEZ-108-SHCR	**129563**	P2B-GTEZ-08-SHCR	**129975**	AN-GT-08-108-CR
	40mm	*@*	*P2B-GTEZ-40M-SHCR*			***129984***	*AN-GT-08-40M-CR*
208 *(GTB)*	1-1/2	**129272**	P2B-GTBEZ-108-SHCR	**129565**	P2B-GTBEZ-08-SHCR	**129606**	AN-GT-08-108-CR
	40mm	***129273***	*P2B-GTBEZ-40M-SHCR*			***129613***	*AN-GT-08-40M-CR*
210	1-15/16	**129274**	P2B-GTEZ-115-SHCR	**129564**	P2B-GTEZ-10-SHCR	**129978**	AN-GT-10-115-CR
	2	**@**	P2B-GTEZ-200-SHCR			**129979**	AN-GT-10-200-CR
	50mm	***129275***	*P2B-GTEZ-50M-SHCR*			***129986***	*AN-GT-10-50M-CR*

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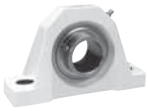

E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R#	S#	Z
						min.	max.									
204	3/4	1.46	1-15/32	5	1	3-3/8	4-3/16	3/8	27/32	1/2	2-1/2	1-1/2	1-5/16	31/64	63/64	1-3/64
	20mm	*0.65*	*37.3*	*127.0*	*25.4*	*85.7*	*106.4*	*M10*	*21.4*	*12.7*	*63.5*	*38.1*	*33.3*	*12.3*	*25*	*26.7*
205	1	1.92	1-29/64	5-1/2	1-1/8	3-11/16	4-1/2	3/8	27/32	17/32	2-23/32	1-51/64	1-7/16	1/2	61/64	1-1/64
	25mm	*0.83*	*36.9*	*139.7*	*28.6*	*93.7*	*114.3*	*M10*	*21.4*	*13.5*	*68.7*	*45.6*	*36.5*	*12.7*	*24.2*	*25.9*
206	1-1/8 1-3/16 1-1/4	2.60	1-39/64	6-1/4	1-1/4	4-17/64	5	1/2	15/16	17/32	3-1/8	2-5/64	1-5/8	17/32	1-5/64	1-1/8
	30mm	*1.18*	*40.9*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*13.5*	*79.4*	*52.8*	*41.3*	*13.5*	*27.4*	*28.7*
206 (GTU)	1-1/8 1-3/16 1-1/4	2.65	1-39/64	6-1/4	1-1/4	4-17/64	5	1/2	15/16	19/32	3-3/16	2-5/64	1-11/16	17/32	1-5/64	1-1/8
	30mm	*1.18*	*40.9*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*15.1*	*81.0*	*52.8*	*42.9*	*13.5*	*27.4*	*28.7*
207	1-1/4 1-3/8 1-7/16	3.83	1-5/8	6-1/2	1-3/8	4-11/16	5-7/16	1/2	15/16	9/16	3-5/8	2-3/8	1-7/8	9/16	1-1/16	1-9/64
	35mm	*1.75*	*41.3*	*165.1*	*34.9*	*119.1*	*138.1*	*M12*	*23.8*	*14.3*	*92.1*	*60.3*	*47.6*	*14.3*	*27*	*29.1*
208	1-1/2	4.90	1-27/32	7	1-1/2	5-3/16	6	1/2	31/32	3/4	4	2-5/8	2-1/8	21/32	1-3/16	1-15/64
	40mm	*2.22*	*46.8*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*19.1*	*101.6*	*66.7*	*54*	*16.7*	*30.2*	*31.5*
208 (GTB)	1-1/2	4.85	1-27/32	7	1-1/2	5-3/16	6	1/2	31/32	9/16	3-13/16	2-5/8	1-15/16	21/32	1-3/16	1-15/64
	40mm	*2.22*	*46.8*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*14.3*	*96.8*	*66.7*	*49.2*	*16.7*	*30.2*	*31.5*
210	1-15/16 2	6.14	1-55/64	8	1-5/8	5-49/64	6-11/16	5/8	1-9/64	5/8	4-5/16	3-1/8	2-1/4	21/32	1-13/64	1-9/32
	50mm	*2.62*	*47.2*	*203.2*	*41.3*	*146.4*	*169.9*	*M16*	*29*	*15.9*	*109.5*	*79.4*	*57.2*	*16.7*	*30.6*	*32.6*

#R & S dimensionS will vary slightly depending on true shaft diameter

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SELECTIONS/DIMENSIONS

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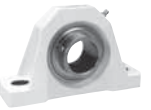
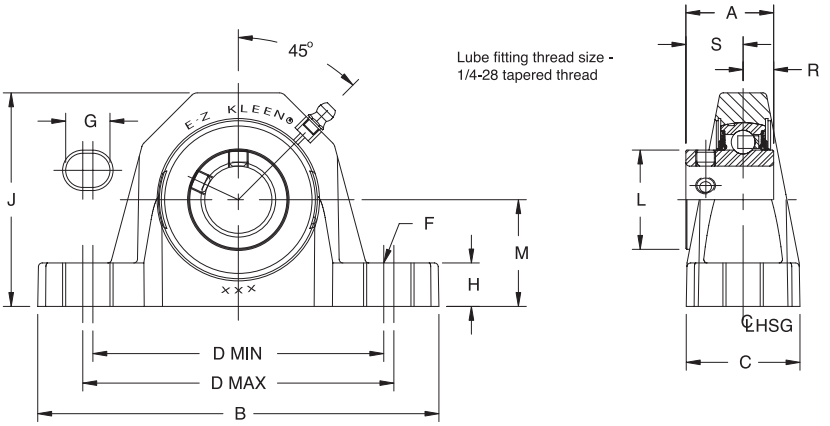


E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED PILLOW BLOCKS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	P2B-SCEZ-008L-PCR*	@	P2B-SCEZ-008L-P
	5/8	**068322**	P2B-SCEZ-010L-PCR*	**064572**	P2B-SCEZ-010L-P
	3/4	**127500**	P2B-SCEZ-012-PCR	@	P2B-SCEZ-012-P
	20 mm	***127545***	*P2B-SCEZ-20M-PCR*	@	*P2B-SCEZ-20M-P*
205	7/8	**064839**	P2B-SCEZ-014-PCR*	**062837**	P2B-SCEZ-014-P
	15/16	**058975**	P2B-SCEZ-015-PCR*	@	P2B-SCEZ-015-P
	1	**127501**	P2B-SCEZ-100-PCR	**058597**	P2B-SCEZ-100-P
	25 mm	***127546***	*P2B-SCEZ-25M-PCR*	@	*P2B-SCEZ-25M-P*
206	1-1/8	@	P2B-SCUEZ-102-PCR*	**067919**	P2B-SCUEZ-102-P
	1-3/16	**127502**	P2B-SCUEZ-103-PCR	@	P2B-SCUEZ-103-P
	1-1/4	**127503**	P2B-SCUEZ-104S-PCR	**058596**	P2B-SCUEZ-104S-P
	30 mm	***127547***	P2B-SCUEZ-30M-PCR	@	P2B-SCUEZ-30M-P
207	1-1/4	**127504**	P2B-SCEZ-104-PCR	**065655**	P2B-SCEZ-104-P
	1-5/16	**059722**	P2B-SCEZ-105-PCR*	@	P2B-SCEZ-105-P
	1-3/8	**058944**	P2B-SCEZ-106-PCR*	@	P2B-SCEZ-106-P
	1-7/16	**127505**	P2B-SCEZ-107-PCR	**064064**	P2B-SCEZ-107-P
	35 mm	***127548***	*P2B-SCEZ-35M-PCR*	@	*P2B-SCEZ-35M-P*
208	1-1/2	**127506**	P2B-SCBEZ-108-PCR	@	P2B-SCBEZ-108-P
	1-5/8	**068495**	P2B-SCBEZ-110-PCR*	@	P2B-SCBEZ-110-P
	40 mm	***127549***	*P2B-SCBEZ-40M-PCR*	@	*P2B-SCBEZ-40M-P*
209	1-5/8	@	P2B-SCBEZ-110L-PCR*	@	P2B-SCBEZ-110L-P
	1-11/16	**127507**	P2B-SCEZ-111-PCR	**067996**	P2B-SCEZ-111-P
	1-3/4	**058931**	P2B-SCEZ-112-PCR	@	P2B-SCEZ-112-P
	45 mm	***127550***	*P2B-SCEZ-45M-PCR*	@	*P2B-SCEZ-45M-P*
210	1-15/16	**127508**	P2B-SCEZ-115-PCR	**056497**	P2B-SCEZ-115-P
	2	**057898**	P2B-SCEZ-200-PCR	@	P2B-SCEZ-200-P
	50 mm	***127551***	*P2B-SCEZ-50M-PCR*	@	*P2B-SCEZ-50M-P*

@ Assembled to order

* 20 piece minimum

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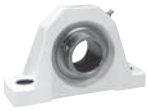

E-Z KLEEN Mounted Bearings
SCEZ NORMAL DUTY POLYMER HOUSED PILLOW BLOCKS

Size	Shaft Series	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S
						min.	max.								
204	1/2	0.68	1-5/32	5-1/32	1-31/64	3-43/64	3-59/64	3/8	19/32	39/64	2-5/8	1-1/8	1-5/16	27/64	47/64
	5/8	0.66													
	3/4	0.64													
	20 mm	*0.30*	*29.4*	*127.8*	*37.7*	*93.3*	*99.6*	*M10*	*15.1*	*15.5*	*66.7*	*28.6*	*33.3*	*10.7*	*18.7*
205	7/8	0.73	1-3/16	5-1/2	1-31/64	3-31/32	4-13/64	3/8	19/32	39/64	2-55/64	1-21/64	1-7/16	27/64	49/64
	15/16	0.71													
	1	0.69													
	25 mm	*0.32*	*30.2*	*139.7*	*37.7*	*100.8*	*106.8*	*M10*	*15.1*	*15.5*	*72.6*	*33.7*	*36.5*	*10.7*	*19.4*
206	1-1/8	1.15	1-25/64	6-5/16	1-25/32	4-39/64	4-57/64	1/2	23/32	45/64	3-11/32	1-37/64	1-11/16	31/64	29/32
	1-3/16	1.13													
	1-1/4	1.11													
	30 mm	*0.51*	*35.3*	*160.3*	*45.2*	*116.9*	*124.2*	*M12*	*18.3*	*17.9*	*84.9*	*40.1*	*42.9*	*12.3*	*23*
207	1-1/4	1.68	1-17/32	6-35/64	1-7/8	4-13/16	5-1/8	1/2	23/32	23/32	3-57/64	1-27/32	1-7/8	1/2	1-1/32
	1-5/16	1.63													
	1-3/8	1.58													
	1-7/16	1.52													
	35 mm	*0.74*	*38.9*	*166.3*	*47.8*	*122.2*	*130.2*	*M12*	*18.3*	*18.3*	*98.8*	*46.8*	*47.6*	*12.7*	*26.2*
208	1-1/2	2.08	1-11/16	7-13/64	2-7/64	5-7/64	5-41/64	1/2	7/8	49/64	4-11/64	2-3/64	1-15/16	19/32	1-3/32
	1-5/8	2.00													
	40 mm	*0.88*	*42.9*	*183.0*	*53.6*	*129.6*	*143.3*	*M12*	*22.2*	*19.4*	*106*	*52*	*49.2*	*15.1*	*27.8*
209	1-5/8	2.41	1-23/32	7-13/64	2-7/64	5-27/64	5-31/32	1/2	7/8	27/32	4-5/16	2-7/32	2-1/8	19/32	1-1/8
	1-11/16	2.34													
	1-3/4	2.27													
	45 mm	*1.03*	*43.7*	*183.0*	*53.6*	*137.7*	*151.6*	*M12*	*22.2*	*21.4*	*109.5*	*56.4*	*54*	*15.1*	*28.6*
210	1-15/16	2.65	1-3/4	8-1/16	2-23/64	6	6-9/16	5/8	1	59/64	4-9/16	2-7/16	2-1/4	19/32	1-5/32
	2	2.58													
	50 mm	*1.30*	*44.5*	*204.8*	*59.9*	*152.4*	*166.7*	*M16*	*25.4*	*23.4*	*115.9*	*61.9*	*57.2*	*15.1*	*29.4*

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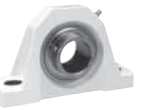
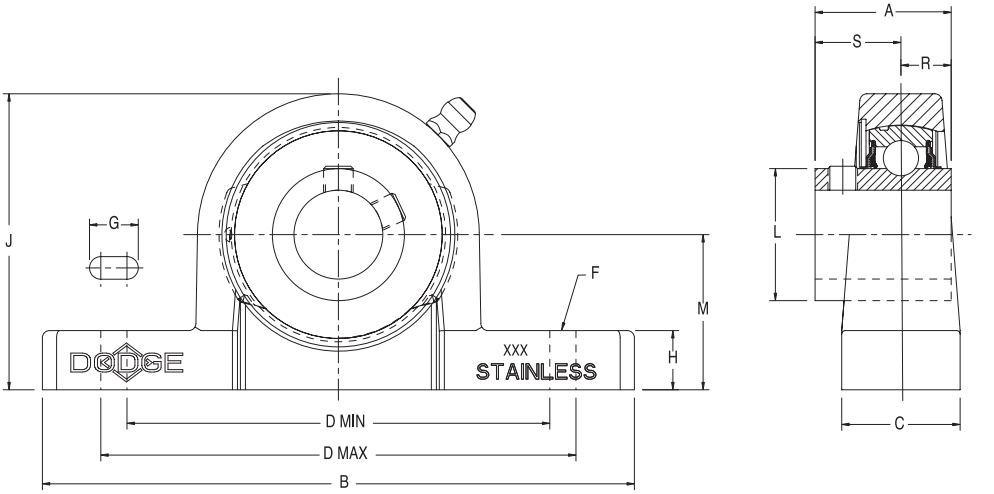
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert with Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	P2B-SCEZ-008L-SHCR	@	P2B-SCEZ-008L-SH
	5/8	**068236**	P2B-SCEZ-010L-SHCR*	@	P2B-SCEZ-010L-SH
	3/4	**127670**	P2B-SCEZ-012-SHCR	**059870**	P2B-SCEZ-012-SH
	20mm	***127697***	*P2B-SCEZ-20M-SHCR*	*@*	*P2B-SCEZ-20M-SH*
205	7/8	**056553**	P2B-SCEZ-014-SHCR*	**049996**	P2B-SCEZ-014-SH
	15/16	**067839**	P2B-SCEZ-015-SHCR*	@	P2B-SCEZ-015-SH
	1	**127671**	P2B-SCEZ-100-SHCR	**056796**	P2B-SCEZ-100-SH
	25mm	***127698***	*P2B-SCEZ-25M-SHCR*	*@*	*P2B-SCEZ-25M-SH*
206	1-1/8	@	P2B-SCEZ-102-SHCR*	**056548**	P2B-SCEZ-102-SH
	1-3/16	**127672**	P2B-SCEZ-103-SHCR	**056797**	P2B-SCEZ-103-SH
	1-1/4	**127674**	P2B-SCEZ-104S-SHCR	**067630**	P2B-SCEZ-104S-SH
	30mm	*@*	*P2B-SCEZ-30M-SHCR*	*@*	*P2B-SCEZ-30M-SH*
206 (SCU)	1-1/8	@	P2B-SCUEZ-102-SHCR*	@	P2B-SCUEZ-102-SH
	1-3/16	**127673**	P2B-SCUEZ-103-SHCR	@	P2B-SCUEZ-103-SH
	1-1/4	**127675**	P2B-SCUEZ-104S-SHCR	@	P2B-SCUEZ-104S-SH
	30mm	***127699***	*P2B-SCUEZ-30M-SHCR*	*@*	*P2B-SCUEZ-30M-SH*

@ Assembled to order
*20 piece minimum

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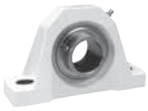

E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S
						min.	max.								
204	1/2	1.39	1-5/32	5	1	3-3/8	4-3/16	3/8	27/32	1/2	2-1/2	1-1/8	1-5/16	27/64	47/64
	5/8	1.35													
	3/4	1.31													
	20mm	*0.59*	*29.4*	*127.0*	*25.4*	*85.7*	*106.4*	*M10*	*21.4*	*12.7*	*63.5*	*28.6*	*33.3*	*10.7*	*18.7*
205	7/8	1.65	1-3/16	5-1/2	1-1/8	3-11/16	4-1/2	3/8	27/32	17/32	2-23/32	1-21/64	1-7/16	27/64	49/64
	15/16	1.62													
	1	1.59													
	25mm	*0.73*	*30.2*	*139.7*	*28.6*	*93.7*	*114.3*	*M10*	*21.4*	*13.5*	*69.1*	*33.7*	*36.5*	*10.7*	*19.4*
206	1-1/8	2.37	1-25/64	6-1/4	1-1/4	4-17/64	5	1/2	15/16	17/32	3-1/8	1-37/64	1-5/8	31/64	29/32
	1-3/16	2.33													
	1-1/4	2.29													
	30mm	*1.06*	*35.3*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*13.5*	*79.4*	*40.1*	*41.3*	*12.3*	*23*
206 (SCU)	1-1/8	2.48	1-25/64	6-1/4	1-1/4	4-17/64	5	1/2	15/16	19/32	3-3/16	1-37/64	1-11/16	31/64	29/32
	1-3/16	2.44													
	1-1/4	2.39													
	30mm	*1.11*	*35.3*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*15.1*	*81*	*40.1*	*42.9*	*12.3*	*23*

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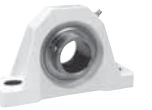
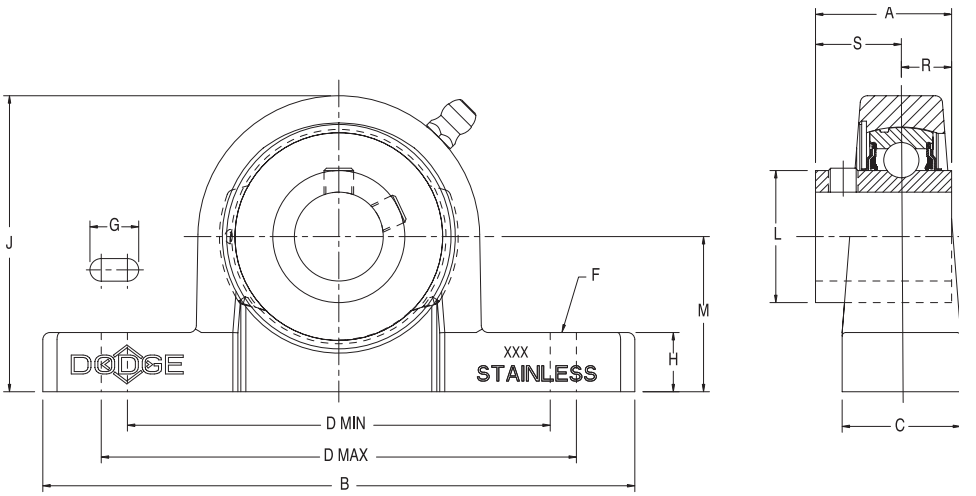
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings
SCEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert with Flingers	
		Part No.	Description	Part No.	Description
207	1-1/4	**127676**	P2B-SCEZ-104-SHCR	**059798**	P2B-SCEZ-104-SH
	1-3/8	@	P2B-SCEZ-106-SHCR*	**056525**	P2B-SCEZ-106-SH
	1-7/16	**127677**	P2B-SCEZ-107-SHCR	**059799**	P2B-SCEZ-107-SH
	35mm	***127700***	*P2B-SCEZ-35M-SHCR*	@	*P2B-SCEZ-35M-SH*
208	1-1/2	**127678**	P2B-SCEZ-108-SHCR	**056565**	P2B-SCEZ-108-SH
	1-5/8	@	P2B-SCEZ-110-SHCR*	**062874**	P2B-SCEZ-110-SH
	40mm	@	*P2B-SCEZ-40M-SHCR*	@	*P2B-SCEZ-40M-SH*
208	1-1/2	**127679**	P2B-SCBEZ-108-SHCR	@	P2B-SCBEZ-108-SH
(SCB)	*40mm*	***127701***	*P2B-SCBEZ-40M-SHCR*	@	*P2B-SCBEZ-40M-SH*
210	1-11/16	@	P2B-SCMEZ-111-SHCR	@	P2B-SCMEZ-111-SH
	1-15/16	**127680**	P2B-SCEZ-115-SHCR	**056800**	P2B-SCEZ-115-SH
	2	@	P2B-SCEZ-200-SHCR	**062879**	P2B-SCEZ-200-SH
	50mm	***127702***	*P2B-SCEZ-50M-SHCR*	@	*P2B-SCEZ-50M-SH*

@ Assembled to order
*20 piece minimum

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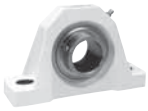

E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS

Size	Shaft Series	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S
						min.	max.								
207	1-1/4	3.36	1-17/32	6-1/2	1-3/8	4-11/16	5-7/16	1/2	15/16	9/16	3-5/8	1-27/32	1-7/8	1/2	1-1/32
	1-3/8	3.25													
	1-7/16	3.19													
	35mm	*1.47*	*38.9*	*165.1*	*34.9*	*119.1*	*138.1*	*M12*	*23.8*	*14.3*	*92.1*	*46.8*	*47.6*	*12.7*	*26.2*
208	1-1/2	4.39	1-11/16	7	1-1/2	5-3/16	6	1/2	31/32	3/4	4	2-3/64	2-1/8	19/32	1-3/32
	1-5/8														
	40mm	*1.95*	*42.9*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*19.1*	*101.6*	*52*	*54*	*15.1*	*27.8*
208 (SCB)	1-1/2	3.93	1-11/16	7	1-1/2	5-3/16	6	1/2	31/32	9/16	3-13/16	2-3/64	1-15/16	19/32	1-3/32
	40mm	*1.74*	*42.9*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*14.3*	*96.8*	*52*	*49.2*	*15.1*	*27.8*
210	1-11/16	5.14	1-3/4	8	1-5/8	5-49/64	6-11/16	5/8	1-9/64	5/8	4-5/16	2-7/16	2-1/4	19/32	1-5/32
	1-15/16	5.09													
	50mm	*2.29*	*44.6*	*203.2*	*41.3*	*146.4*	*169.9*	*M16*	*29*	*15.9*	*109.5*	*61.9*	*57.2*	*15.1*	*29.4*

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

SELECTIONS/DIMENSIONS

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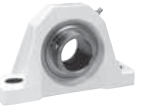
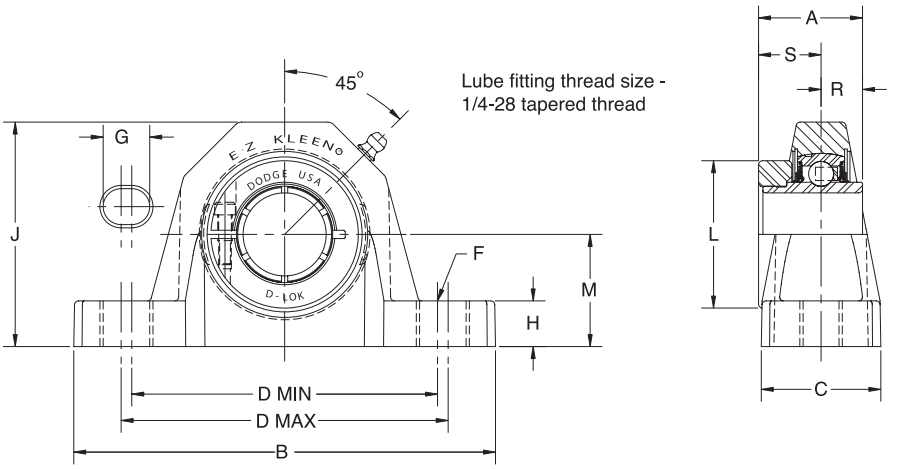


E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED PILLOW BLOCKS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127578**	P2B-DLEZ-012-PCR	@	P2B-DLEZ-012-P
	20 mm	***127623***	*P2B-DLEZ-20M-PCR*	@	*P2B-DLEZ-20M-P*
205	7/8	@	P2B-DLEZ-014-PCR*	@	P2B-DLEZ-014-P
	15/16	@	P2B-DLEZ-015-PCR*	@	P2B-DLEZ-015-P
	1	**127579**	P2B-DLEZ-100-PCR	@	P2B-DLEZ-100-P
	25 mm	**127624**	*P2B-DLEZ-25M-PCR*	@	*P2B-DLEZ-25M-P*
206 (DLU)	1-1/8	@	P2B-DLUEZ-102-PCR*	@	P2B-DLUEZ-102-P
	1-3/16	**127580**	P2B-DLUEZ-103-PCR	@	P2B-DLUEZ-103-P
	1-1/4	**127581**	P2B-DLUEZ-104S-PCR	@	P2B-DLUEZ-104S-P
	30 mm	***127625***	*P2B-DLUEZ-30M-PCR*	@	*P2B-DLUEZ-30M-P*
207	1-1/4	**127582**	P2B-DLEZ-104-PCR	@	P2B-DLEZ-104-P
	1-3/8	@	P2B-DLEZ-106-PCR*	@	P2B-DLEZ-106-P
	1-7/16	**127583**	P2B-DLEZ-107-PCR	@	P2B-DLEZ-107-P
	35 mm	***127626***	*P2B-DLEZ-35M-PCR*	@	*P2B-DLEZ-35M-P*
208 *(DLB)*	1-1/2	**127584**	P2B-DLBEZ-108-PCR	@	P2B-DLBEZ-108-P
	40 mm	***127627***	*P2B-DLBEZ-40M-PCR*	@	*P2B-DLBEZ-40M-P*
209	1-5/8	**057442**	P2B-DLEZ-110L-PCR*	@	P2B-DLEZ-110L-P
	1-11/16	**127585**	P2B-DLEZ-111-PCR	@	P2B-DLEZ-111-P
	1-3/4	**062875**	P2B-DLEZ-112-PCR*	@	P2B-DLEZ-112-P
	45 mm	***127628***	*P2B-DLEZ-45M-PCR*	@	*P2B-DLEZ-45M-P*
210	1-15/16	**127586**	P2B-DLEZ-115-PCR	@	P2B-DLEZ-115-P
	2	**058516**	P2B-DLEZ-200-PCR	@	P2B-DLEZ-200-P
	50 mm	***127629***	*P2B-DLEZ-50M-PCR*	@	*P2B-DLEZ-50M-P*

@ Assembled to order

* 20 piece minimum

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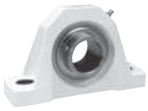
DODGE®



E-Z KLEEN Mounted Bearings
DLEZ NORMAL DUTY POLYMER HOUSED PILLOW BLOCKS

Size	Shaft Series	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S
						min.	max.								
204	3/4	0.92	1-9/32	5-1/32	1-31/64	3-43/64	3-59/64	3/8	19/32	39/64	2-5/8	1-45/64	1-5/16	1/2	25/32
	20 mm	*0.42*	*32.5*	*127.8*	*37.7*	*93.3*	*99.6*	*M10*	*15.1*	*15.5*	*66.7*	*43.3*	*33.3*	*12.7*	*19.8*
205	7/8 15/16 1	1.32 1.22 1.12	1-7/16	5-1/2	1-31/64	3-31/32	4-13/64	3/8	19/32	39/64	2-55/64	2	1-7/16	9/16	7/8
	25 mm	*0.51*	*36.5*	*139.7*	*37.7*	*100.8*	*106.8*	*M10*	*15.1*	*15.5*	*72.6*	*50.8*	*36.5*	*14.3*	*22.2*
206 (DLU)	1-1/8 1-3/16 1-1/4	1.83 1.73 1.63	1-9/16	6-5/16	1-25/32	4-39/64	4-57/64	1/2	23/32	45/64	3-11/32	2-7/32	1-11/16	5/8	15/16
	30 mm	*0.79*	*39.7*	*160.3*	*45.2*	*116.9*	*124.2*	*M12*	*18.3*	*17.9*	*84.9*	*56.4*	*42.9*	*15.9*	*23.8*
207	1-1/4 1-3/8 1-7/16	2.46 2.41 2.36	1-3/4	6-35/64	1-7/8	4-13/16	5-1/8	1/2	23/32	23/32	3-57/64	2-11/16	1-7/8	11/16	1-1/16
	35 mm	*1.13*	*44.5*	*166.3*	*47.8*	*122.2*	*130.2*	*M12*	*18.3*	*18.3*	*98.8*	*68.3*	*47.6*	*17.5*	*27.0*
208 (DLB)	1-1/2	3.01	2	7-13/64	2-7/64	5-7/64	5-41/64	1/2	7/8	49/64	4-11/64	2-47/64	1-15/16	3/4	1-1/4
	40 mm	*1.39*	*50.8*	*183.0*	*53.6*	*129.6*	*143.3*	*M12*	*22.2*	*19.4*	*106*	*69.5*	*49.2*	*19.1*	*31.8*
209	1-5/8 1-11/16 1-3/4	3.51 3.41 3.31	2	7-13/64	2-7/64	5-27/64	5-31/32	1/2	7/8	27/32	4-5/16	2-63/64	2-1/8	3/4	1-1/4
	45 mm	*1.56*	*50.8*	*183.0*	*53.6*	*137.7*	*151.6*	*M12*	*22.2*	*21.4*	*109.5*	*75.8*	*54*	*19.1*	*31.8*
210	1-15/16 2	4.17 4.07	2-3/32	8-1/16	2-23/64	6	6-9/16	5/8	1	59/64	4-9/16	3-15/64	2-1/4	3/4	1-11/32
	50 mm	*1.68*	*53.2*	*204.8*	*59.9*	*152.4*	*166.7*	*M16*	*25.4*	*23.4*	*115.9*	*82.2*	*57.2*	*19.1*	*34.1*

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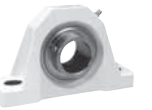
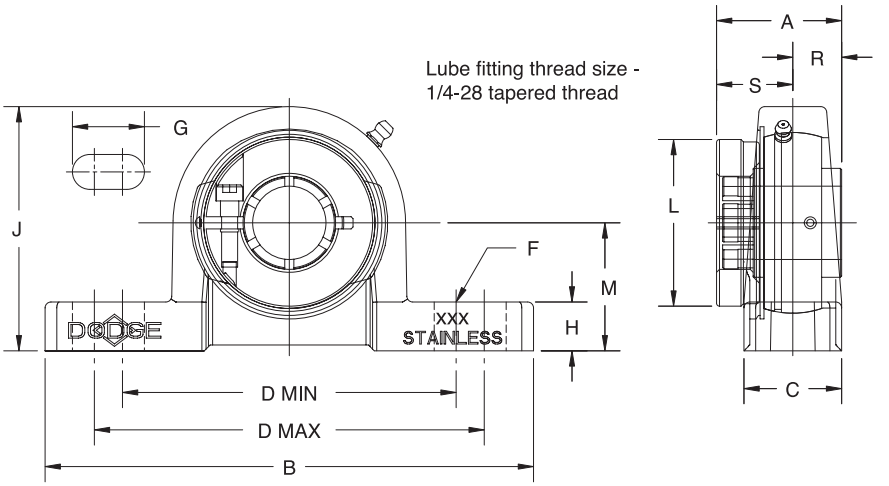
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	**127715**	P2B-DLEZ-012-SHCR
	20mm	***127739***	*P2B-DLEZ-20M-SHCR*
205	7/8	@	P2B-DLEZ-014-SHCR*
	15/16	@	P2B-DLEZ-015-SHCR*
	1	**127716**	P2B-DLEZ-100-SHCR
	25mm	***127740***	*P2B-DLEZ-25M-SHCR*
206	1-1/8	@	P2B-DLEZ-102-SHCR*
	1-3/16	**127717**	P2B-DLEZ-103-SHCR
	1-1/4	**127718**	P2B-DLEZ-104S-SHCR
	30mm	***127741***	*P2B-DLEZ-30M-SHCR*
206 (DLU)	1-1/8	@	P2B-DLUEZ-102-SHCR*
	1-3/16	@	P2B-DLUEZ-103-SHCR
	1-1/4	@	P2B-DLUEZ-104S-SHCR
	30mm	@	*P2B-DLUEZ-30M-SHCR*
207	1-1/4	**127719**	P2B-DLEZ-104-SHCR
	1-3/8	@	P2B-DLEZ-106-SHCR*
	1-7/16	**127720**	P2B-DLEZ-107-SHCR
	35mm	***127742***	*P2B-DLEZ-35M-SHCR*
208	1-1/2	**127721**	P2B-DLEZ-108-SHCR
	40mm	***127743***	*P2B-DLEZ-40M-SHCR*
208 (DLB)	1-1/2	**049469**	P2B-DLBEZ-108-SHCR
	40mm	@	*P2B-DLBEZ-40M-SHCR*
210	1-11/16	@	P2B-DLMEZ-111-SHCR*
	1-15/16	**127722**	P2B-DLEZ-115-SHCR
	50mm	***127744***	*P2B-DLEZ-50M-SHCR*

@ Assembled to order *20 piece minimum

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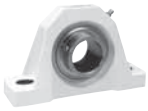
DODGE®



E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY STAINLESS STEEL HOUSED PILLOW BLOCKS

Size	Shaft Series	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S
						min.	max.								
204	3/4	1.46	1-9/32	5	1	3-3/8	4-3/16	3/8	27/32	1/2	2-1/2	1-45/64	1-5/16	1/2	25/32
	20mm	*0.65*	*32.5*	*127.0*	*25.4*	*85.7*	*106.4*	*M10*	*21.4*	*12.7*	*63.5*	*43.3*	*33.3*	*12.7*	*19.8*
205	7/8	1.92	1-7/16	5-1/2	1-1/8	3-11/16	4-1/2	3/8	27/32	17/32	2-23/32	2	1-7/16	9/16	7/8
	15/16	1.87													
	1	1.82													
	25mm	*0.83*	*36.5*	*139.7*	*28.6*	*93.7*	*114.3*	*M10*	*21.4*	*13.5*	*69.1*	*50.8*	*36.5*	*14.3*	*22.2*
206	1-1/8	2.60	1-9/16	6-1/4	1-1/4	4-17/64	5	1/2	15/16	17/32	3-1/8	11726	1-5/8	5/8	15/16
	1-3/16	2.55													
	1-1/4	2.50													
	30mm	*1.18*	*39.7*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*13.5*	*79.4*	*56.4*	*41.3*	*15.9*	*23.8*
206 (DLU)	1-1/8	2.65	1-9/16	6-1/4	1-1/4	4-17/64	5	1/2	15/16	19/32	3-3/16	2-7/32	1-11/16	5/8	15/16
	1-3/16	2.60													
	1-1/4	2.55													
	30mm	*1.18*	*39.7*	*158.8*	*31.8*	*108.3*	*127*	*M12*	*23.8*	*15.1*	*81*	*56.4*	*42.9*	*15.9*	*23.8*
207	1-1/4	3.83	1-3/4	6-1/2	1-3/8	4-11/16	5-7/16	1/2	15/16	9/16	3-5/8	2-11/16	1-7/8	11/16	1-1/16
	1-3/8	3.74													
	1-7/16	3.66													
	35mm	*1.75*	*44.5*	*165.1*	*34.9*	*119.1*	*138.1*	*M12*	*23.8*	*14.3*	*92.1*	*68.3*	*47.6*	*17.5*	*27*
208	1-1/2	4.90	2	7	1-1/2	5-3/16	6	1/2	31/32	3/4	4	2-47/64	2-1/8	3/4	1-1/4
	40mm	*2.22*	*50.8*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*19.1*	*101.6*	*69.5*	*54*	*19.1*	*31.8*
208 (DLB)	1-1/2	4.85	2	7	1-1/2	5-3/16	6	1/2	31/32	9/16	3-13/16	2-47/64	1-15/16	3/4	1-1/4
	40mm	*2.22*	*50.8*	*177.8*	*38.1*	*131.8*	*152.4*	*M12*	*24.6*	*14.3*	*96.8*	*69.5*	*49.2*	*19.1*	*31.8*
210	1-11/16	6.14	2-3/32	8	1-5/8	5-49/64	6-11/16	5/8	1-9/64	5/8	4-5/16	3-15/64	2-1/4	3/4	1-11/32
	1-15/16	5.77													
	50mm	*2.62*	*53.2*	*203.2*	*41.3*	*146.4*	*169.9*	*M16*	*29*	*15.9*	*109.5*	*82.2*	*57.2*	*19.1*	*34.1*

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SELECTIONS/DIMENSIONS

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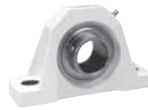
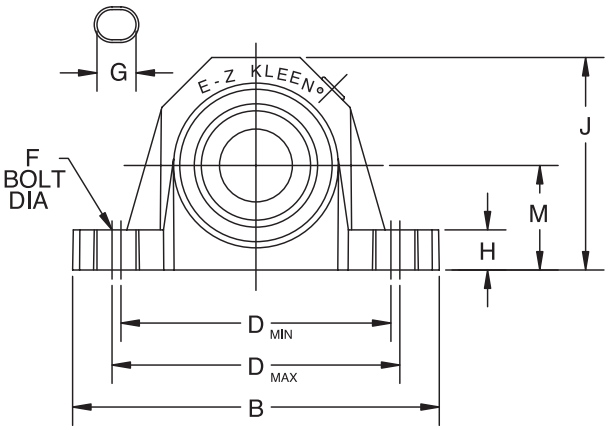
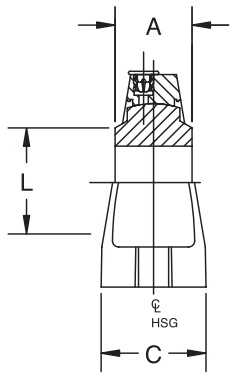


E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE, POLYMER HOUSED PILLOW BLOCKS





Series	Shaft Size	Part No.	Description
204	3/4	**034700**	P2B-PSEZ-012-P
	20mm	***034748***	*P2B-PSEZ-20M-P*
205	1	**034701**	P2B-PSEZ-100-P
	25mm	***034749***	*P2B-PSEZ-25M-P*
206 (PSU)	1-3/16	**034702**	P2B-PSUEZ-103-P
	1-1/4	**034703**	P2B-PSUEZ-104S-P
	30mm	***034750***	*P2B-PSUEZ-30M-P*
207	1-1/4	**034704**	P2B-PSEZ-104-P
	1-7/16	**034705**	P2B-PSEZ-107-P
	35mm	***034751***	*P2B-PSEZ-35M-P*
208 (PSB)	1-1/2	**034706**	P2B-PSBEZ-108-P
	40mm	***034752***	*P2B-PSBEZ-40M-P*
210	1-15/16	**034709**	P2B-PSEZ-115-P
	50mm	***034754***	*P2B-PSEZ-50M-P*

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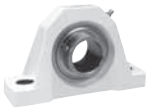

E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE, POLYMER HOUSED PILLOW BLOCKS

Series	Shaft Size	Weight lb. *kg*	A	B	C	D		F Bolt Dia	G	H	J	L	M
						Min	Max						
204	3/4	0.57	1	5-1/32	1-31/64	3-31/64	3-59/64	3/8	19/32	39/64	2-5/8	1-5/16	1-5/16
	20mm	*0.26*	*25.4*	*127.8*	*37.7*	*93.3*	*99.6*	*M10*	*15.1*	*15.5*	*66.7*	*33.3*	*33.3*
205	1	0.57	1-1/16	5-1/2	1-31/64	3-31/32	4-13/64	3/8	19/32	39/64	2-55/64	1-7/16	1-7/16
	25mm	*0.26*	*27.0*	*139.7*	*37.7*	*100.8*	*106.8*	*M10*	*15.1*	*15.5*	*72.6*	*36.5*	*36.5*
206 (PSU)	1-3/16 1-1/4	0.89 0.88	1-3/16	6-5/16	1-25/32	4-39/64	4-57/64	1/2	23/32	45/64	3-11/32	1-11/16	1-11/16
	30mm	*0.4*	*30.2*	*160.3*	*45.2*	*116.9*	*124.2*	*M12*	*18.3*	*17.9*	*84.9*	*42.9*	*42.9*
207	1-1/4 1-7/16	1.06 1.01	1-5/16	6-35/64	1-7/8	4-13/16	5-1/8	1/2	23/32	23/32	3-57/64	2	1-7/8
	35mm	*0.48*	*33.3*	*166.3*	*47.8*	*122.2*	*130.2*	*M12*	*18.3*	*18.3*	*98.8*	*50.8*	*47.6*
208 (PSB)	1-1/2	1.27	1-1/2	7-13/64	2-7/64	5-7/64	5-41/64	1/2	7/8	49/64	4-11/64	2	1-15/16
	40mm	*0.58*	*38.1*	*183.0*	*53.6*	*129.6*	*143.3*	*M12*	*22.2*	*19.4*	*106.0*	*50.8*	*49.2*
210	1-15/16	1.67	1-5/8	8-1/16	2-23/64	6	6-9/16	5/8	1.00	59/64	4-9/16	2-9/16	2-1/4
	50mm	*0.76*	*41.3*	*204.8*	*59.9*	*152.4*	*166.7*	*M16*	*25.4*	*23.4*	*115.9*	*65.1*	*57.2*

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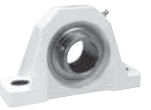
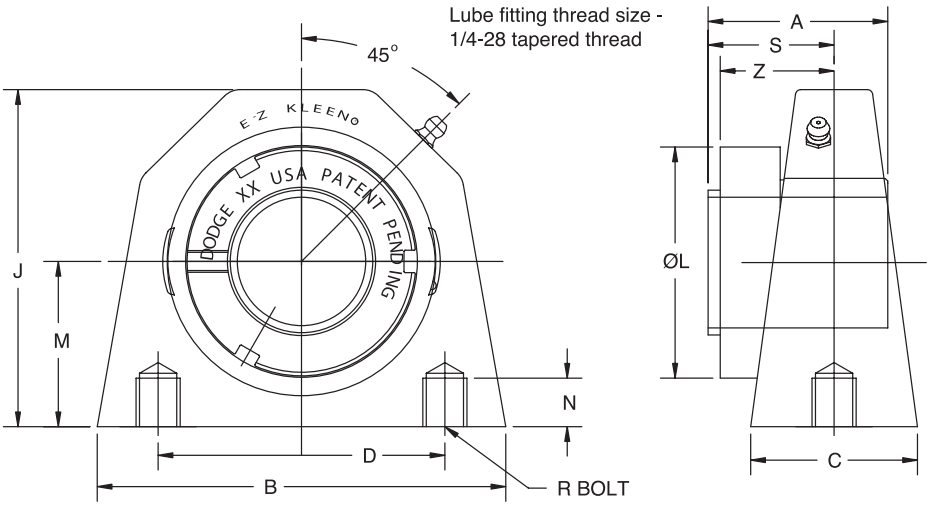
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129291**	TB-GTEZ-012-PCR	**129537**	TB-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
	20mm	***129292***	*TB-GTEZ-20M-PCR*	***129988***	*TB-GTEZ-04M-PCR*	***129980***	*AN-GT-04-20M-CR*
205	1	**129293**	TB-GTEZ-100-PCR	**129538**	TB-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
	25mm	***129294***	*TB-GTEZ-25M-PCR*	***129989***	*TB-GTEZ-05M-PCR*	***129981***	*AN-GT-05-25M-CR*
206	1 -1/8	@	TB-GTEZ-102-PCR			**129969**	AN-GT-06-102-CR
	1 -3/16	**129295**	TB-GTEZ-103-PCR	**129539**	TB-GTEZ-06-PCR	**129970**	AN-GT-06-103-CR
	1 -1/4	**129296**	TB-GTEZ-104S-PCR			**129971**	AN-GT-06-104S-CR
	30mm	***129297***	*TB-GTEZ-30M-PCR*	***129990***	*TB-GTEZ-06M-PCR*	***129982***	*AN-GT-06-30M-CR*
207	1 -1/4	**129298**	TB-GTEZ-104-PCR			**129972**	AN-GT-07-104-CR
	1 -3/8	@	TB-GTEZ-106-PCR	**129540**	TB-GTEZ-07-PCR	**129973**	AN-GT-07-106-CR
	1 -7/16	**129299**	TB-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR
	35mm	***129300***	*TB-GTEZ-35M-PCR*	***129991***	*TB-GTEZ-07M-PCR*	***129983***	*AN-GT-07-35M-CR*

@ Assembled to order

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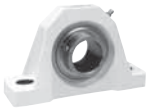

E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight Lbs kg	A	B	C	D	J	L	M	N Thread Depth	R Bolt Hole Threads	S#	Z
204	3/4	0.88	1-15/32	3-1/4	1-31/64	2	2-21/32	1-1/2	1-5/16	13/32	3/8-16	63/64	1-3/64
	20 mm	0.41	37.3	82.6	37.7	50.8	67.6	38.1	33.3	10.2	M10x1.5	25.0	26.7
205	1	1.01	1-29/64	3-1/4	1-1/2	2	2-57/64	1-51/64	1-7/16	13/32	3/8-16	61/64	1-1/64
	25 mm	0.47	36.9	82.6	37.7	50.8	73.3	45.6	36.5	10.2	M10x1.5	24.2	25.9
206	1-1/8	1.79	1-39/64	4-3/8	1-37/64	3	3-3/8	2-5/64	1-11/16	29/64	7/16-14	1-5/64	1-1/8
	1-3/16	1.69											
	1-1/4	1.59											
	30 mm	0.77	40.9	111.1	40.1	76.2	85.9	52.8	42.9	11.4	M10x1.5	27.4	28.7
207	1-1/4	2.62	1-5/8	4-5/8	1-57/64	3-1/4	3-13/16	2-3/8	1-7/8	35/64	1/2-13	1-1/16	1-9/64
	1-3/8	2.42											
	1-7/16	2.32											
	35 mm	1.11	41.3	117.5	48.0	82.6	97.2	60.3	47.6	14.0	M12x1.75	27.0	29.1

#S dimension will vary slightly depending on true shaft diameter

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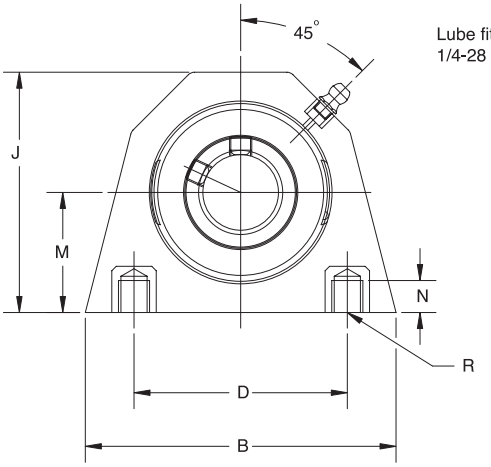
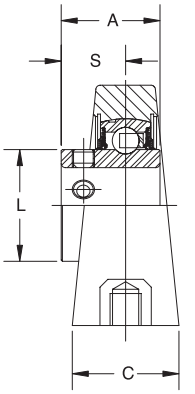
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS



Lube fitting thread size - 1/4-28 tapered thread



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	TB-SCEZ-008L-PCR*	@	TB-SCEZ-008L-P
	5/8	@	TB-SCEZ-010L-PCR*	@	TB-SCEZ-010L-P
	3/4	**127509**	TB-SCEZ-012-PCR	@	TB-SCEZ-012-P
	20 mm	***127552***	*TB-SCEZ-20M-PCR*	@	*TB-SCEZ-20M-P*
205	7/8	@	TB-SCEZ-014-PCR*	@	TB-SCEZ-014-P
	15/16	@	TB-SCEZ-015-PCR*	@	TB-SCEZ-015-P
	1	**127510**	TB-SCEZ-100-PCR	@	TB-SCEZ-100-P
	25 mm	***127553***	*TB-SCEZ-25M-PCR*	@	*TB-SCEZ-25M-P*
206	1-1/8	@	TB-SCEZ-102-PCR*	@	TB-SCEZ-102-P
	1-3/16	**127511**	TB-SCEZ-103-PCR	@	TB-SCEZ-103-P
	1-1/4	**127512**	TB-SCEZ-104S-PCR	**058632**	TB-SCEZ-104S-P
	30 mm	***127554***	*TB-SCEZ-30M-PCR*	@	*TB-SCEZ-30M-P*
207	1-1/4	**127513**	TB-SCEZ-104-PCR	@	TB-SCEZ-104-P
	1-5/16	@	TB-SCEZ-105-PCR*	@	TB-SCEZ-105-P
	1-3/8	**056577**	TB-SCEZ-106-PCR*	@	TB-SCEZ-106-P
	1-7/16	**127514**	TB-SCEZ-107-PCR	@	TB-SCEZ-107-P
	35 mm	***127555***	*TB-SCEZ-35M-PCR*	@	*TB-SCEZ-35M-P*

@ Assembled to order
*20 piece minimum

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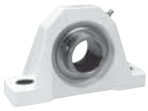
DODGE®



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	J	L	M	N Thread Depth	R Bolt Hole Threads	S
204	1/2	0.74	1-5/32	3-1/4	1-31/64	2	2-21/32	1-1/8	1-5/16	13/32	3/8-16	47/64
	5/8	0.66										
	3/4	0.60										
	20 mm	*0.29*	*29.4*	*82.6*	*37.7*	*50.8*	*67.6*	*28.6*	*33.3*	*10.2*	*M10x1.5*	*18.7*
205	7/8	0.72	1-3/16	3-1/4	1-1/2	2	2-57/64	1-21/64	1-7/16	13/32	3/8-16	49/64
	15/16	0.64										
	1	0.58										
	25 mm	*0.28*	*30.2*	*82.6*	*38.1*	*50.8*	*73.3*	*33.7*	*36.5*	*10.2*	*M10x1.5*	*19.4*
206	1-1/8	1.16	1-25/64	4-3/8	1-37/64	3	3-3/8	1-37/64	1-11/16	29/64	7/16-14	29/32
	1-3/16	1.09										
	1-1/4	1.07										
	30 mm	*0.49*	*35.3*	*111.1*	*40.1*	*76.2*	*85.9*	*40.1*	*42.9*	*11.4*	*M10x1.5*	*23.0*
207	1-1/4	1.64	1-17/32	4-5/8	1-57/64	3-1/4	3-13/16	1-27/32	1-7/8	35/64	1/2-13	1-1/32
	1-5/16	1.58										
	1-3/8	1.53										
	1-7/16	1.48										
	35 mm	*0.72*	*38.9*	*117.5*	*48.0*	*82.6*	*97.2*	*46.8*	*47.6*	*14.0*	*M12x1.75*	*26.2*

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SELECTIONS/DIMENSIONS

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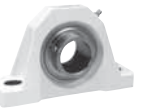
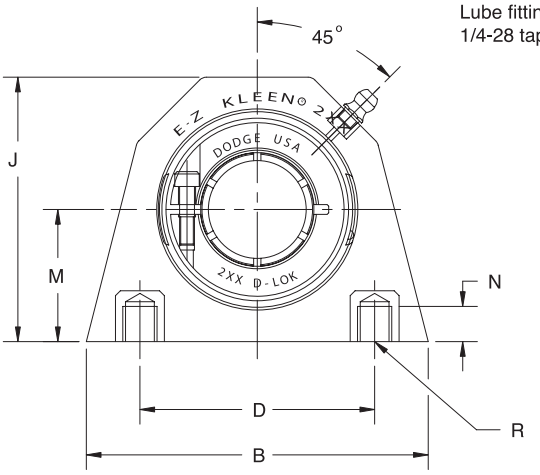
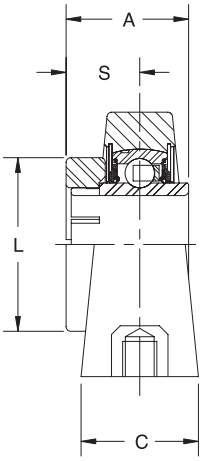


E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS



Lube fitting thread size - 1/4-28 tapered thread



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127587**	TB-DLEZ-012-PCR	@	TB-DLEZ-012-P
	20 mm	***127630***	*TB-DLEZ-20M-PCR*	@	*TB-DLEZ-20M-P*
205	7/8	@	TB-DLEZ-014-PCR*	@	TB-DLEZ-014-P
	15/16	@	TB-DLEZ-015-PCR*	@	TB-DLEZ-015-P
	1	**127588**	TB-DLEZ-100-PCR	@	TB-DLEZ-100-P
	25 mm	***127631***	*TB-DLEZ-25M-PCR*	@	*TB-DLEZ-25M-P*
206	1-1/8	@	TB-DLEZ-102-PCR*	@	TB-DLEZ-102-P
	1-3/16	**127589**	TB-DLEZ-103-PCR	@	TB-DLEZ-103-P
	1-1/4	**127590**	TB-DLEZ-104S-PCR	@	TB-DLEZ-104S-P
	30 mm	***127632***	*TB-DLEZ-30M-PCR*	@	*TB-DLEZ-30M-P*
207	1-1/4	**127591**	TB-DLEZ-104-PCR	@	TB-DLEZ-104-P
	1-3/8	@	TB-DLEZ-106-PCR*	@	TB-DLEZ-106-P
	1-7/16	**127592**	TB-DLEZ-107-PCR	@	TB-DLEZ-107-P
	35 mm	***127633***	*TB-DLEZ-35M-PCR*	@	*TB-DLEZ-35M-P*

@ Assembled to order
*20 piece minimum

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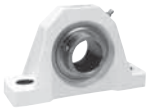

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	J	L	M	N Thread Depth	R Bolt Hole Threads	S
204	3/4 *20 mm*	0.88 *0.41*	1-9/32 *32.5*	3-1/4 *82.6*	1-31/64 *37.7*	2 *50.8*	2-21/32 *67.6*	1-45/64 *43.3*	1-5/16 *33.3*	13/32 *10.2*	3/8-16 *M10x1.5*	25/32 *19.8*
205	7/8 15/16 1 *25 mm*	1.12 1.11 1.01 *0.47*	1-7/16 *36.5*	3-1/4 *82.6*	1-1/2 *38.1*	2 *50.8*	2-57/64 *73.3*	2 *50.8*	1-7/16 *36.5*	13/32 *10.2*	3/8-16 *M10x1.5*	7/8 *22.2*
206	1-1/8 1-3/16 1-1/4 *30 mm*	1.79 1.69 1.59 *0.77*	1-9/16 *39.7*	4-3/8 *111.1*	1-37/64 *40.1*	3 *76.2*	3-3/8 *85.9*	2-7/32 *56.4*	1-11/16 *42.9*	29/64 *11.4*	7/16-14 *M10x1.5*	15/16 *23.8*
207	1-1/4 1-3/8 1-7/16 *35 mm*	2.62 2.42 2.32 *1.11*	1-3/4 *44.5*	4-5/8 *117.5*	1-57/64 *48.0*	3-1/4 *82.6*	3-13/16 *97.2*	2-11/16 *68.3*	1-7/8 *47.6*	35/64 *14.0*	1/2-13 *M12x1.75*	1-1/16 *27.0*

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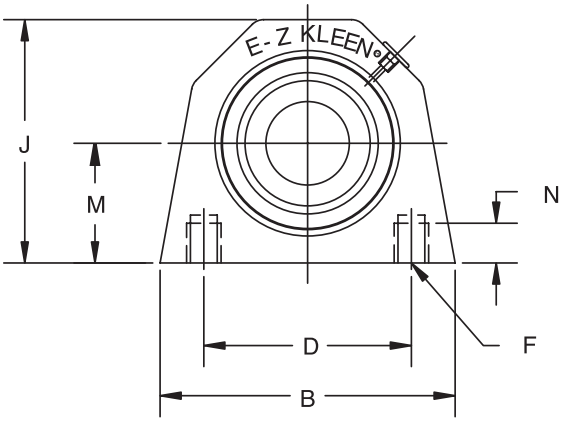
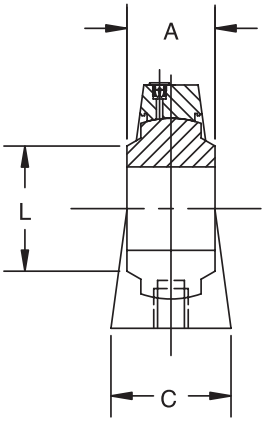
SELECTIONS/DIMENSIONS

DODGE®

E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE POLYMER HOUSED TAPPED BASE PILLOW BLOCKS

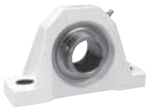




Series	Shaft Size	Part No.	Description
204	3/4	**034710**	TB-PSEZ-012-P
	20mm	***034755***	*TB-PSEZ-20M-P**
205	1	**034711**	TB-PSEZ-100-P
	25mm	***034756***	*TB-PSEZ-25M-P**
206	1-3/16	**034712**	TB-PSEZ-103-P
	1-1/4	**034713**	TB-PSEZ-104S-P
	30mm	***034757***	*TB-PSEZ-30M-P**
207	1-1/4	**034714**	TB-PSEZ-104-P
	1-7/16	**034715**	TB-PSEZ-107-P
	35mm	**034758**	*TB-PSEZ-35M-P**

* Made to Order

DODGE®



E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE POLYMER HOUSED TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	J	L	M	N Thread Depth	R Bolt Hole Threads
204	3/4	0.53	1	3-1/4	1-31/64	2	2-21/32	1-5/16	1-5/16	13/32	3/8-16
	20mm	*0.24*	*25.4*	*82.6*	*37.7*	*50.8*	*67.6*	*33.3*	*33.3*	*10.2*	*M10x1.5*
205	1	0.46	1-1/16	3-1/4	1-1/2	2	2-57/64	1-7/16	1-7/16	13/32	3/8-16
	25mm	*0.21*	*27.0*	*82.6*	*38.1*	*50.8*	*73.3*	*36.5*	*36.5*	*10.2*	*M10x1.5*
206	1-3/16 1-1/4	0.85 0.84	1-3/16	4-3/8	1-37/64	3	3-3/8	1-11/16	1-11/16	29/64	7/16-14
	30mm	*0.39*	*30.2*	*111.1*	*40.1*	*76.2*	*85.9*	*42.9*	*42.9*	*11.4*	*M10x1.5*
207	1-1/4 1-7/16	1.02 0.97	1-5/16	4-5/8	1-57/64	3-1/4	3-13/16	2	1-7/8	35/64	1/2-13
	35mm	*0.46*	*33.3*	*117.5*	*48*	*82.6*	*96.8*	*50.8*	*47.6*	*14.0*	*M12x1.75*

* Made to order

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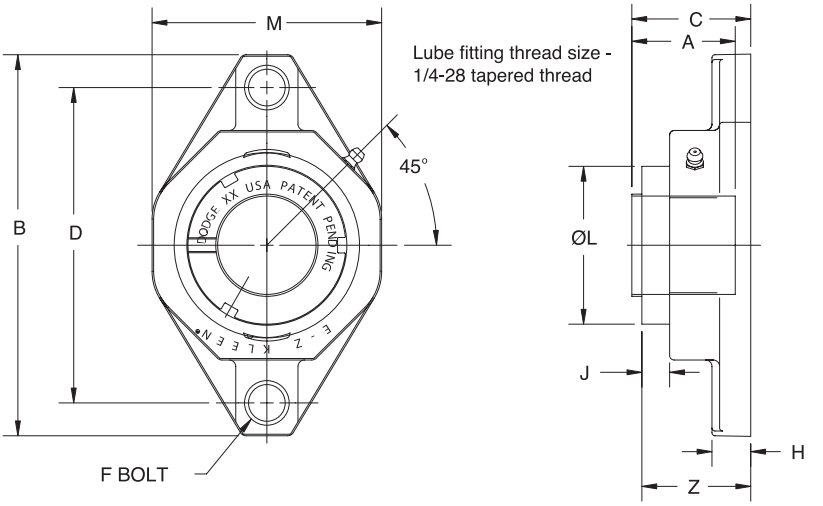
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129339**	F2B-GTEZ-012-PCR	**129548**	F2B-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
	20mm	***129340***	*F2B-GTEZ-20M-PCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129341**	F2B-GTEZ-100-PCR	**129549**	F2B-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
	25mm	***129342***	*F2B-GTEZ-25M-PCR*			***129981***	*AN-GT-05-25M-CR*
206	1 -1/8	**@**	F2B-GTEZ-102-PCR	**129550**	F2B-GTEZ-06-PCR	**129969**	AN-GT-06-102-CR
	1 -3/16	**129343**	F2B-GTEZ-103-PCR			**129970**	AN-GT-06-103-CR
	1 -1/4	**129344**	F2B-GTEZ-104S-PCR			**129971**	AN-GT-06-104S-CR
	30mm	***129345***	*F2B-GTEZ-30M-PCR*			***129982***	*AN-GT-06-30M-CR*
207	1 -1/4	**129346**	F2B-GTEZ-104-PCR	**129551**	F2B-GTEZ-07-PCR	**129972**	AN-GT-07-104-CR
	1 -3/8	**@**	F2B-GTEZ-106-PCR			**129973**	AN-GT-07-106-CR
	1 -7/16	**129347**	F2B-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR
	35mm	***129348***	*F2B-GTEZ-35M-PCR*			***129983***	*AN-GT-07-35M-CR*
208	1 -1/2	**129349**	F2B-GTEZ-108-PCR	**129552**	F2B-GTEZ-08-PCR	**129975**	AN-GT-08-108-CR
	40mm	***129350***	*F2B-GTEZ-40M-PCR*			***129984***	*AN-GT-08-40M-CR*
209	1-11/16	**129351**	F2B-GTEZ-111-PCR	**129553**	F2B-GTEZ-09-PCR	**129976**	AN-GT-09-111-CR
	1 -3/4	**064147**	F2B-GTEZ-112-PCR			**129977**	AN-GT-09-112-CR
	45mm	***129352***	*F2B-GTEZ-45M-PCR*			***129985***	*AN-GT-09-45M-CR*
210	1-15/16	***129353***	F2B-GTEZ-115-PCR	**129554**	F2B-GTEZ-10-PCR	**129978**	AN-GT-10-115-CR
	2	**064503**	F2B-GTEZ-200-PCR			**129979**	AN-GT-10-200-CR
	50mm	***129354***	*F2B-GTEZ-50M-PCR*			***129986***	*AN-GT-10-50M-CR*

@ Assembled to order

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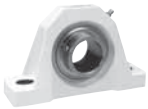

E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS

Size	Shaft Series	Weight lbs kg	A	B	C#	D	F Bolt Dia.	H	J	L	M	Z
204	3/4 20 mm	0.77 0.36	1-15/32 37.3	4-29/64 113.1	1-45/64 43.3	3-17/32 89.7	3/8 M10	17/32 13.5	37/64 14.7	1-1/2 38.1	2-23/64 59.9	1-3/4 44.5
205	1 25 mm	1.01 0.47	1-29/64 36.9	4-59/64 125.0	1-11/16 42.9	3-57/64 98.8	3/8 M10	35/64 13.9	17/32 13.5	1-51/64 45.6	2-23/32 69.1	1-3/4 44.5
206	1-1/8 1-3/16 1-1/4 30 mm	1.56 1.46 1.36 0.57	1-39/64 40.9	5-19/32 142.1	1-53/64 46.4	4-19/32 116.7	3/8 M10	39/64 15.5	35/64 13.9	2-5/64 52.8	3-13/64 81.4	1-7/8 47.6
207	1-1/4 1-5/16 1-7/16 35 mm	2.18 2.11 2.08 1.00	1-5/8 41.3	6-5/16 160.3	1-27/32 46.8	5-1/8 130.2	1/2 M12	5/8 15.9	35/64 13.9	2-3/8 60.3	3-45/64 94.1	1-59/64 48.8
208	1-1/2 40 mm	2.75 1.26	1-27/32 46.8	6-25/32 172.2	2-5/64 52.8	5-21/32 143.7	1/2 M12	43/64 17.1	37/64 14.7	2-5/8 66.7	4-1/16 103.2	2-1/8 54.0
209	1-5/8 1-11/16 1-3/4 45 mm	3.11 3.07 3.04 1.41	1-55/64 47.2	7-5/64 179.8	2-5/64 52.8	5-27/32 148.4	9/16 M14	23/32 18.3	19/32 15.1	2-55/64 72.6	4-5/16 109.5	2-11/64 55.2
210	1-15/16 2 50 mm	3.64 3.60 1.67	1-55/64 47.2	7-31/64 190.1	2-15/64 56.8	6-3/16 157.2	5/8 M16	49/64 19.4	39/64 15.5	3-1/8 79.4	4-1/2 114.3	2-5/16 58.8

#C dimension will vary slightly depending on true shaft diameter.

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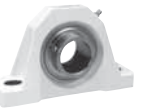
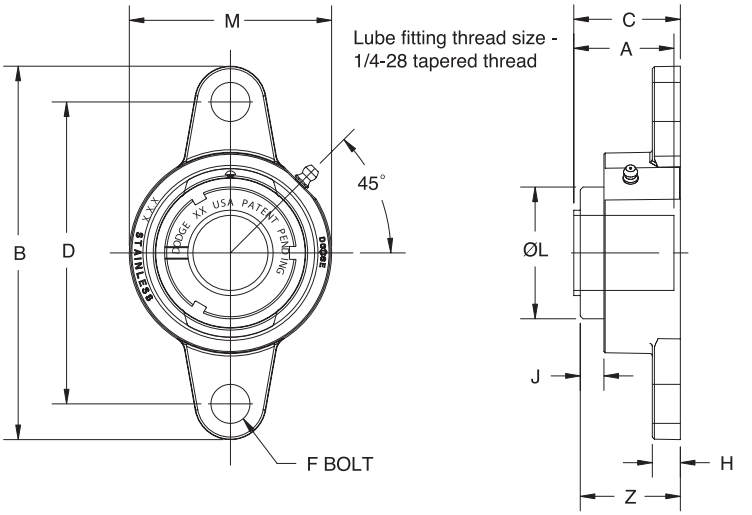
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings

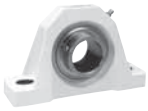
GTEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129355**	F2B-GTEZ-012-SHCR	**129573**	F2B-GTEZ-04-SHCR	**129967**	AN-GT-04-012-CR
	20mm	***129356***	*F2B-GTEZ-20M-SHCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129357**	F2B-GTEZ-100-SHCR	**129574**	F2B-GTEZ-05-SHCR	**129968**	AN-GT-05-100-CR
	25mm	***129358***	*F2B-GTEZ-25M-SHCR*			***129981***	*AN-GT-05-25M-CR*
206	1-1/8	**@**	F2B-GTEZ-102-SHCR	**129575**	F2B-GTEZ-06-SHCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129359**	F2B-GTEZ-103-SHCR			**129970**	AN-GT-06-103-CR
	1-1/4	**129360**	F2B-GTEZ-104S-SHCR			**129971**	AN-GT-06-104S-CR
	30mm	***129361***	*F2B-GTEZ-30M-SHCR*			**129982**	*AN-GT-06-30M-CR*
207	1-1/4	**129362**	F2B-GTEZ-104-SHCR	**129576**	F2B-GTEZ-07-SHCR	**129972**	AN-GT-07-104-CR
	1-3/8	**065694**	F2B-GTEZ-106-SHCR			**129973**	AN-GT-07-106-CR
	1-7/16	**129363**	F2B-GTEZ-107-SHCR			**129974**	AN-GT-07-107-CR
	35mm	***129364***	*F2B-GTEZ-35M-SHCR*			***129983***	*AN-GT-07-35M-CR*
208	1-1/2	**129365**	F2B-GTEZ-108-SHCR	**129577**	F2B-GTEZ-08-SHCR	**129975**	AN-GT-08-108-CR
	40mm	***129366***	*F2B-GTEZ-40M-SHCR*			***129984***	*AN-GT-08-40M-CR*
210	1-15/16	**129367**	F2B-GTEZ-115-SHCR	**129578**	F2B-GTEZ-10-SHCR	**129978**	AN-GT-10-115-CR
	2	**@**	F2B-GTEZ-200-SHCR			**129979**	AN-GT-10-200-CR
	50mm	***129368***	*F2B-GTEZ-50M-SHCR*			***129986***	*AN-GT-10-50M-CR*

@ Assembled to order

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90



E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs kg	A	B	C#	D	F Bolt Dia.	H	J	L	M	Z
204	3/4 20mm	1.10 0.49	1-15/32 37.3	4-3/8 111.1	1-1/2 38.1	3-17/32 89.7	3/8 M10	21/64 8.3	39/64 15.5	1-1/2 38.1	2-3/8 60.3	1-9/16 39.7
205	1 25mm	1.43 0.65	1-29/64 36.9	4-57/64 124.2	1-35/64 39.3	3-57/64 98.8	3/8 M10	23/64 9.1	9/16 14.3	1-51/64 45.6	2-5/8 66.7	1-19/32 40.5
206	1-1/8 1-3/16 1-1/4 30mm	2.21 2.17 2.13 0.98	1-39/64 40.9	5-33/64 140.1	1-47/64 44.1	4-19/32 116.7	3/8 M10	23/64 9.1	35/64 13.9	2-5/64 52.8	3-1/8 79.4	1-25/32 45.2
207	1-1/4 1-3/8 1-7/16 35mm	3.12 2.99 2.95 1.42	1-5/8 41.3	6-3/16 157.2	1-25/32 44.8	5-1/8 130.2	1/2 M12	27/64 10.7	35/64 13.9	2-3/8 60.3	3-1/2 88.9	1-55/64 47.2
208	1-1/2 40mm	3.91 1.77	1-27/32 46.8	6-23/32 170.7	1-63/64 50.4	5-21/32 143.7	1/2 M12	27/64 10.7	37/64 14.7	2-5/8 66.7	3-27/32 97.6	2-1/32 51.6
210	1-15/16 2 50mm	4.89 4.85 2.20	1-55/64 47.2	7-31/64 190.1	2 50.8	6-3/16 157.2	5/8 M16	31/64 12.3	19/32 15.1	3-1/8 79.4	4-5/16 109.5	2-5/64 52.8

#C dimension will vary slightly depending on true shaft diameter.

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SELECTIONS/DIMENSIONS

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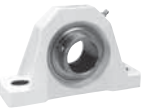
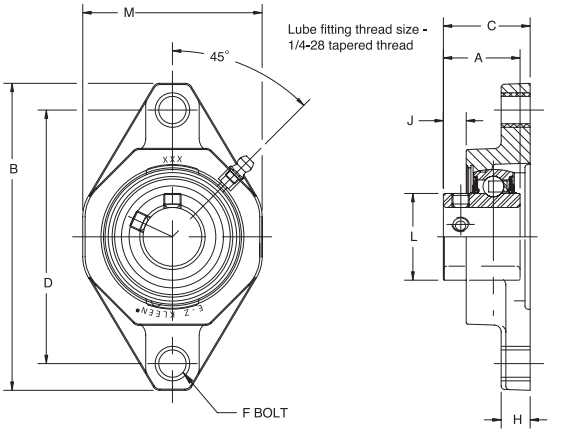


E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	**059823**	F2B-SCEZ-008L-PCR*	@	F2B-SCEZ-008L-P
	5/8	**058792**	F2B-SCEZ-010L-PCR*	@	F2B-SCEZ-010L-P
	3/4	**127524**	F2B-SCEZ-012-PCR	**058404**	F2B-SCEZ-012-P
	20 mm	***127563***	*F2B-SCEZ-20M-PCR*	@	*F2B-SCEZ-20M-P*
205	7/8	@	F2B-SCEZ-014-PCR*	@	F2B-SCEZ-014-P
	15/16	@	F2B-SCEZ-015-PCR*	@	F2B-SCEZ-015-P
	1	**127525**	F2B-SCEZ-100-PCR	**057524**	F2B-SCEZ-100-P
	25 mm	***127564***	*F2B-SCEZ-25M-PCR*	@	*F2B-SCEZ-25M-P*
206	1-1/8	**058470**	F2B-SCEZ-102-PCR*	@	F2B-SCEZ-102-P
	1-3/16	**127526**	F2B-SCEZ-103-PCR	@	F2B-SCEZ-103-P
	1-1/4	**127527**	F2B-SCEZ-104S-PCR	**057594**	F2B-SCEZ-104S-P
	30 mm	***127565***	*F2B-SCEZ-30M-PCR*	@	*F2B-SCEZ-30M-P*
207	1-1/4	**127528**	F2B-SCEZ-104-PCR	**057687**	F2B-SCEZ-104-P
	1-5/16	**049380**	F2B-SCEZ-105-PCR*	@	F2B-SCEZ-105-P
	1-3/8	**056893**	F2B-SCEZ-106-PCR*	**056526**	F2B-SCEZ-106-P
	1-7/16	**127529**	F2B-SCEZ-107-PCR	**058941**	F2B-SCEZ-107-P
	35 mm	***127566***	*F2B-SCEZ-35M-PCR*	@	*F2B-SCEZ-35M-P*
208	1-1/2	**127530**	F2B-SCEZ-108-PCR	**056580**	F2B-SCEZ-108-P
	1-5/8	@	F2B-SCEZ-110-PCR*	@	F2B-SCEZ-110-P
	40 mm	***127567***	*F2B-SCEZ-40M-PCR*	@	*F2B-SCEZ-40M-P*
209	1-5/8	@	F2B-SCEZ-110L-PCR*	@	F2B-SCEZ-110L-P
	1-11/16	**127531**	F2B-SCEZ-111-PCR	@	F2B-SCEZ-111-P
	1-3/4	@	F2B-SCEZ-112-PCR	**065786**	F2B-SCEZ-112-P
	45 mm	***127568***	*F2B-SCEZ-45M-PCR*	@	*F2B-SCEZ-45M-P*
210	1-15/16	**127532**	F2B-SCEZ-115-PCR	**058593**	F2B-SCEZ-115-P
	2	**049835**	F2B-SCEZ-200-PCR	@	F2B-SCEZ-200-P
	50 mm	***127569***	*F2B-SCEZ-50M-PCR*	@	*F2B-SCEZ-50M-P*

@ Assembled to order

* 20 piece minimum

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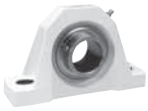

E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M
204	1/2	0.48	1-5/32	4-29/64	1-27/64	3-17/32	3/8	17/32	19/64	1-1/8	2-23/64
	5/8	0.44									
	3/4	0.40									
	20 mm	*0.24*	*29.4*	*113.0*	*36.1*	*90.0*	*M10*	*13.5*	*7.6*	*28.6*	*59.9*
205	7/8	0.64	1-3/16	4-59/64	1-15/32	3-57/64	3/8	35/64	21/64	1-21/64	2-23/32
	15/16	0.60									
	1	0.56									
	25 mm	*0.28*	*30.2*	*125.0*	*37.3*	*99.0*	*M10*	*13.9*	*8.4*	*33.7*	*69.1*
206	1-1/8	0.88	1-25/64	5-19/32	1-21/32	4-19/32	3/8	39/64	27/64	1-37/64	3-13/64
	1-3/16	0.86									
	1-1/4	0.84									
	30 mm	*0.39*	*35.3*	*142.1*	*42.1*	*116.5*	*M10*	*13.9*	*10.6*	*40.1*	*81.4*
207	1-1/4	1.36	1-17/32	6-5/16	1-51/64	5-1/8	1/2	5/8	33/64	1-27/32	3-45/64
	1-5/16	1.32									
	1-3/8	1.28									
	1-7/16	1.24									
	35 mm	*0.61*	*38.9*	*160.3*	*45.6*	*130.0*	*M12*	*15.9*	*13.2*	*46.8*	*94.1*
208	1-1/2	1.82	1-11/16	6-25/32	1-31/32	5-21/32	1/2	43/64	33/64	2-3/64	4-1/16
	1-5/8	1.78									
	40 mm	*0.76*	*42.9*	*172.2*	*50.0*	*143.5*	*M12*	*17.1*	*13.2*	*52.0*	*103.1*
209	1-5/8	2.04	1-23/32	7-5/64	2-1/64	5-27/32	9/16	23/32	9/16	2-7/32	4-5/16
	1-11/16	2.00									
	1-3/4	1.96									
	45 mm	*0.88*	*43.7*	*179.8*	*51.2*	*148.5*	*M14*	*18.2*	*14.1*	*56.4*	*109.5*
210	1-15/16	2.12	1-3/4	7-31/64	2-11/64	6-3/16	5/8	49/64	19/32	2-7/16	4-1/2
	2	2.08									
	50 mm	*0.96*	*44.5*	*190.1*	*55.2*	*157.0*	*M16*	*19.4*	*14.9*	*61.9*	*114.3*

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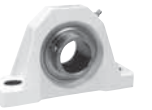
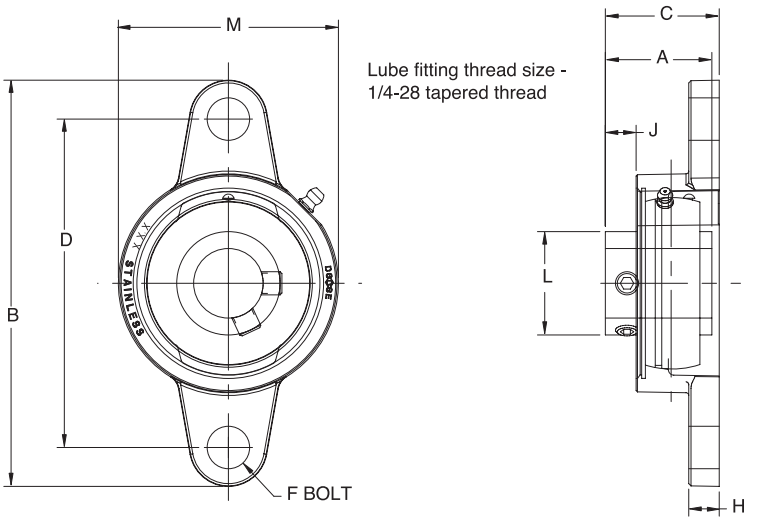
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert with Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	F2B-SCEZ-008L-SHCR*	@	F2B-SCEZ-008L-SH
	5/8	**062994**	F2B-SCEZ-010L-SHCR*	@	F2B-SCEZ-010L-SH
	3/4	**127681**	F2B-SCEZ-012-SHCR	**056801**	F2B-SCEZ-012-SH
	20mm	**127703**	F2B-SCEZ-20M-SHCR	@	F2B-SCEZ-20M-SH
205	7/8	@	F2B-SCEZ-014-SHCR*	@	F2B-SCEZ-014-SH
	15/16	@	F2B-SCEZ-015-SHCR*	**049686**	F2B-SCEZ-015-SH
	1	**127682**	F2B-SCEZ-100-SHCR	**056611**	F2B-SCEZ-100-SH
	25mm	**127704**	F2B-SCEZ-25M-SHCR	@	F2B-SCEZ-25M-SH
206	1-1/8	@	F2B-SCEZ-102-SHCR	@	F2B-SCEZ-102-SH
	1-3/16	**127683**	F2B-SCEZ-103-SHCR	**056971**	F2B-SCEZ-103-SH
	1-1/4	**127684**	F2B-SCEZ-104S-SHCR	**056612**	F2B-SCEZ-104S-SH
	30mm	**127705**	F2B-SCEZ-30M-SHCR	@	F2B-SCEZ-30M-SH
207	1-1/4	**127685**	F2B-SCEZ-104-SHCR	**056802**	F2B-SCEZ-104-SH
	1-3/8	**056734**	F2B-SCEZ-106-SHCR*	@	F2B-SCEZ-106-SH
	1-7/16	**127686**	F2B-SCEZ-107-SHCR	**056803**	F2B-SCEZ-107-SH
	35mm	**127706**	F2B-SCEZ-35M-SHCR	@	F2B-SCEZ-35M-SH
208	1-1/2	**127687**	F2B-SCEZ-108-SHCR	**056804**	F2B-SCEZ-108-SH
	1-5/8	**068283**	F2B-SCEZ-110-SHCR	- - - -	- - - - -
	40mm	**127707**	F2B-SCEZ-40M-SHCR	@	F2B-SCEZ-40M-SH
210	1-11/16	@	F2B-SCMEZ-111-SHCR*	**056552**	F2B-SCMEZ-111-SH
	1-15/16	**127688**	F2B-SCEZ-115-SHCR	**056805**	F2B-SCEZ-115-SH
	2	**062913**	F2B-SCEZ-200-SHCR	**056964**	F2B-SCEZ-200-SH
	50mm	**127708**	F2B-SCEZ-50M-SHCR	@	F2B-SCEZ-50M-SH

@ Assembled to order

*20 piece minimum

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

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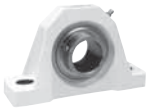

E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M
204	1/2 5/8 3/4 *20mm*	1.04 0.99 0.95 *0.42*	1-5/32 *29.4*	4-3/8 *111.1*	1-1/4 *31.8*	3-17/32 *89.7*	3/8 *M10*	21/64 *8.3*	11/32 *8.7*	1-1/8 *28.6*	2-3/8 *60.3*
205	7/8 15/16 1 *25mm*	1.25 1.23 1.21 *0.55*	1-3/16 *30.2*	4-57/64 *124.2*	1-11/32 *34.1*	3-57/64 *98.8*	3/8 *M10*	23/64 *9.1*	3/8 *9.5*	1-21/64 *33.7*	2-5/8 *66.7*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.95 1.91 1.87 *0.87*	1-25/64 *35.3*	5-33/64 *140.1*	1-9/16 *39.7*	4-19/32 *116.7*	3/8 *M10*	23/64 *9.1*	27/64 *10.7*	1-37/64 *40.1*	3-1/8 *79.4*
207	1-1/4 1-3/8 1-7/16 *35mm*	2.64 2.53 2.47 *1.15*	1-17/32 *38.9*	6-3/16 *157.2*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	27/64 *10.7*	17/32 *13.5*	1-27/32 *46.8*	3-1/2 *88.9*
208	1-1/2 *1-5/8* *40mm*	3.40 *3.10* *1.50*	1-11/16 *42.9*	6-23/32 *170.7*	1-7/8 *47.6*	5-21/32 *143.7*	1/2 *M12*	27/64 *10.7*	17/32 *13.5*	2-3/64 *52.0*	3-27/32 *97.6*
210	1-11/16 1-15/16 2 *50mm*	4.21 4.17 4.13 *1.87*	1-3/4 *44.5*	7-31/64 *190.1*	1-61/64 *49.6*	6-3/16 *157.2*	5/8 *M16*	31/64 *12.3*	19/32 *15.1*	2-7/16 *61.9*	4-5/16 *109.5*

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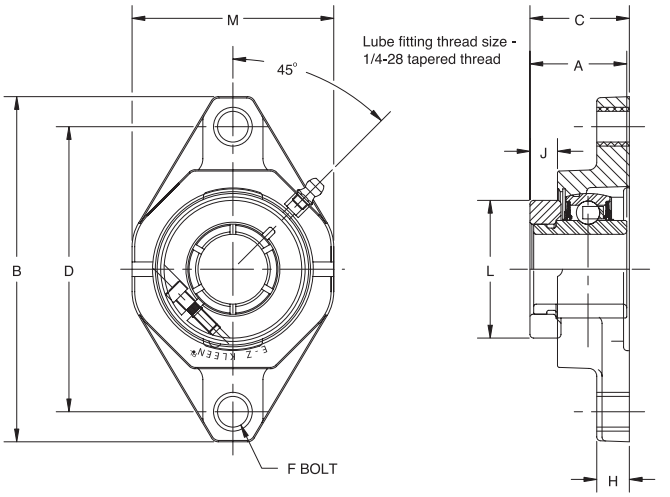
SELECTIONS/DIMENSIONS

DODGE®

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127602**	F2B-DLEZ-012-PCR	@	F2B-DLEZ-012-P
	20 mm	***127641***	*F2B-DLEZ-20M-PCR*	@	*F2B-DLEZ-20M-P*
205	7/8	@	F2B-DLEZ-014-PCR*	@	F2B-DLEZ-014-P
	15/16	@	F2B-DLEZ-015-PCR*	@	F2B-DLEZ-015-P
	1	**127603**	F2B-DLEZ-100-PCR	@	F2B-DLEZ-100-P
	25 mm	***127642***	*F2B-DLEZ-25M-PCR*	@	*F2B-DLEZ-25M-P*
206	1-1/8	@	F2B-DLEZ-102-PCR*	@	F2B-DLEZ-102-P
	1-3/16	**127604**	F2B-DLEZ-103-PCR	@	F2B-DLEZ-103-P
	1-1/4	**127605**	F2B-DLEZ-104S-PCR	@	F2B-DLEZ-104S-P
	30 mm	***127643***	*F2B-DLEZ-30M-PCR*	@	*F2B-DLEZ-30M-P*
207	1-1/4	**127606**	F2B-DLEZ-104-PCR	@	F2B-DLEZ-104-P
	1-3/8	@	F2B-DLEZ-106-PCR*	@	F2B-DLEZ-106-P
	1-7/16	**127607**	F2B-DLEZ-107-PCR	@	F2B-DLEZ-107-P
	35 mm	***127644***	*F2B-DLEZ-35M-PCR*	@	*F2B-DLEZ-35M-P*
208	1-1/2	**127608**	F2B-DLEZ-108-PCR	@	F2B-DLEZ-108-P
	40 mm	***127645***	*F2B-DLEZ-40M-PCR*	@	*F2B-DLEZ-40M-P*
209	1-5/8	@	F2B-DLEZ-110L-PCR*	@	F2B-DLEZ-110L-P
	1-11/16	**127609**	F2B-DLEZ-111-PCR	@	F2B-DLEZ-111-P
	1-3/4	@	F2B-DLEZ-112-PCR*	@	F2B-DLEZ-112-P
	45 mm	**127646**	*F2B-DLEZ-45M-PCR*	@	*F2B-DLEZ-45M-P*
210	1-15/16	**127610**	F2B-DLEZ-115-PCR	@	F2B-DLEZ-115-P
	2	**058515**	F2B-DLEZ-200-PCR	@	F2B-DLEZ-200-P
	50 mm	***127647***	*F2B-DLEZ-50M-PCR*	@	*F2B-DLEZ-50M-P*

@ Assembled to order

*20 piece minimum

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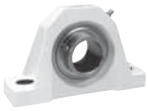

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M
204	3/4	0.77	1-9/32	4-29/64	1-15/32	3-17/32	3/8	17/32	23/64	1-45/64	2-23/64
	20 mm	*0.36*	*32.5*	*113.0*	*37.3*	*90.0*	*M10*	*13.5*	*9.1*	*43.3*	*59.9*
205	7/8	1.09	1-7/16	4-59/64	1-37/64	3-57/64	3/8	35/64	7/16	2	2-23/32
	15/16	1.05									
	1	1.01									
	25 mm	*0.47*	*36.5*	*125.0*	*40.1*	*99.0*	*M10*	*13.9*	*11.1*	*50.8*	*69.1*
206	1-1/8	1.56	1-9/16	5-19/32	1-11/16	4-19/32	3/8	39/64	29/64	2-7/32	3-13/64
	1-3/16	1.46									
	1-1/4	1.36									
	30 mm	*0.57*	*39.7*	*142.1*	*42.9*	*116.5*	*M10*	*13.9*	*11.5*	*56.4*	*81.4*
207	1-1/4	2.18	1-3/4	6-5/16	1-53/64	5-1/8	1/2	5/8	35/64	2-11/16	3-45/64
	1-3/8	2.11									
	1-7/16	2.08									
	35 mm	*1.00*	*44.5*	*160.3*	*46.4*	*130.0*	*M12*	*15.9*	*13.9*	*68.3*	*94.1*
208	1-1/2	2.75	2	6-25/32	2-1/8	5-21/32	1/2	43/64	11/16	2-47/64	4-1/16
	40 mm	*1.26*	*50.8*	*172.2*	*54.0*	*143.5*	*M12*	*17.1*	*17.5*	*69.5*	*103.1*
209	1-5/8	3.11	2	7-5/64	2-9/64	5-27/32	9/16	23/32	11/16	2-63/64	4-5/16
	1-11/16	3.07									
	1-3/4	3.04									
	45 mm	*1.41*	*50.8*	*179.8*	*54.4*	*148.5*	*M14*	*18.2*	*17.5*	*75.8*	*109.5*
210	1-15/16	3.64	2-3/32	7-31/64	2-23/64	6-3/16	5/8	49/64	25/32	3-15/64	4-1/2
	2	3.60									
	50 mm	*1.67*	*53.2*	*190.1*	*59.9*	*157.0*	*M16*	*19.4*	*19.8*	*82.1*	*114.3*

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

SELECTIONS/DIMENSIONS

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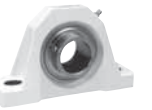
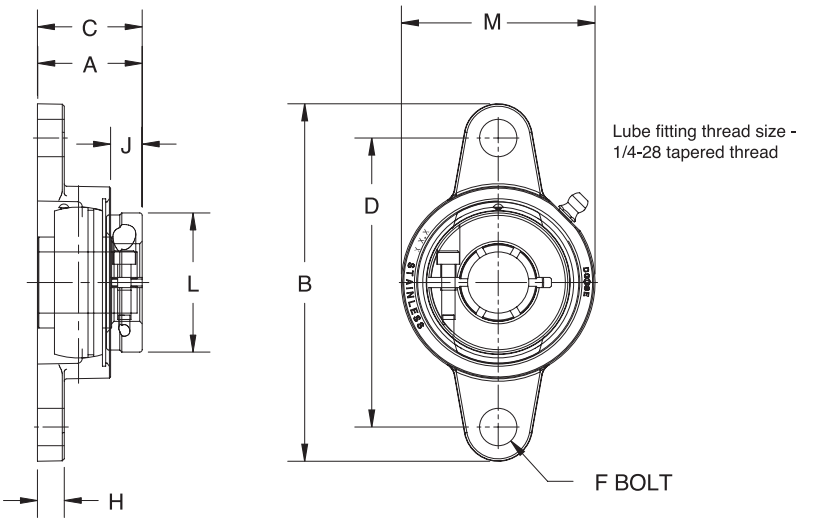


E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	**127723**	F2B-DLEZ-012-SHCR
	20mm	***127745***	*F2B-DLEZ-20M-SHCR*
205	7/8	@	F2B-DLEZ-014-SHCR*
	15/16	@	F2B-DLEZ-015-SHCR*
	1	**127724**	F2B-DLEZ-100-SHCR
	25mm	***127746***	*F2B-DLEZ-25M-SHCR*
206	1-1/8	@	F2B-DLEZ-102-SHCR
	1-3/16	**127725**	F2B-DLEZ-103-SHCR
	1-1/4	**127726**	F2B-DLEZ-104S-SHCR
	30mm	***127747***	*F2B-DLEZ-30M-SHCR*
207	1-1/4	**127727**	F2B-DLEZ-104-SHCR
	1-3/8	@	F2B-DLEZ-106-SHCR*
	1-7/16	**127728**	F2B-DLEZ-107-SHCR
	35mm	***127748***	*F2B-DLEZ-35M-SHCR*
208	1-1/2	**127729**	F2B-DLEZ-108-SHCR
	40mm	***127749***	*F2B-DLEZ-40M-SHCR*
210	1-11/16	@	F2B-DLMEZ-111-SHCR*
	1-15/16	**127730**	F2B-DLEZ-115-SHCR
	50mm	***127750***	*F2B-DLEZ-50M-SHCR*

@ Assembled to order
*20 piece minimum

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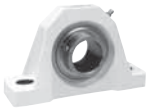

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY STAINLESS STEEL 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M
204	3/4	1.10	1-9/32	4-3/8	1-19/64	3-17/32	3/8	21/64	13/32	1-45/64	2-3/8
	20mm	*0.49*	*32.5*	*111.1*	*32.9*	*89.7*	*M10*	*8.3*	*10.3*	*43.3*	*60.3*
205	7/8	1.51	1-7/16	4-57/64	1-29/64	3-57/64	3/8	23/64	31/64	2	2-5/8
	15/16	1.47									
	1	1.43									
	25mm	*0.65*	*36.5*	*124.2*	*36.9*	*98.8*	*M10*	*9.1*	*12.3*	*50.8*	*66.7*
206	1-1/8	2.21	1-9/16	5-33/64	1-19/32	4-19/32	3/8	23/64	29/64	2-7/32	3-1/8
	1-3/16	2.17									
	1-1/4	2.13									
	30mm	*0.98*	*39.7*	*140.1*	*40.5*	*116.7*	*M10*	*9.1*	*11.5*	*56.4*	*79.4*
207	1-1/4	3.12	1-3/4	6-3/16	1-25/32	5-1/8	1/2	27/64	9/16	2-11/16	3-1/2
	1-3/8	2.99									
	1-7/16	2.95									
	35mm	*1.42*	*44.5*	*157.2*	*45.2*	*130.2*	*M12*	*10.7*	*14.3*	*68.3*	*88.9*
208	1-1/2	3.91	2	6-23/32	2-1/32	5-21/32	1/2	27/64	11/16	2-47/64	3-27/32
	40mm	*1.77*	*50.8*	*170.7*	*51.6*	*143.7*	*M12*	*10.7*	*17.5*	*69.5*	*97.6*
210	1-11/16	4.89	2-3/32	7-31/64	2-9/64	6-3/16	5/8	31/64	25/32	3-15/64	4-5/16
	1-15/16	4.85									
	50mm	*2.20*	*53.2*	*190.1*	*54.4*	*157.2*	*M16*	*12.3*	*19.8*	*82.2*	*109.5*

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SELECTIONS/DIMENSIONS

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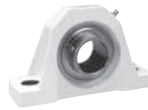
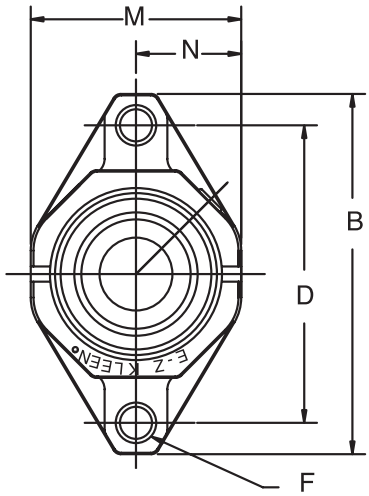
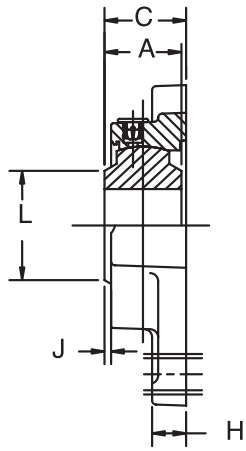


E-Z KLEEN Mounted Bearings

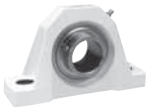
PSEZ POLYMER SLEEVE POLYMER HOUSED 2 BOLT FLANGE BEARINGS





Series	Shaft Size	Part No.	Description
204	3/4	**034726**	F2B-PSEZ-012-P
	20mm	***034766***	*F2B-PSEZ-20M-P*
205	1	**034727**	F2B-PSEZ-100-P
	25mm	**034767**	*F2B-PSEZ-25M-P*
206	1-3/6	**034728**	F2B-PSEZ-103-P
	1-1/4	**034729**	F2B-PSEZ-104S-P
	30mm	**034768**	*F2B-PSEZ-30M-P*
207	1-1/4	**034730**	F2B-PSEZ-104-P
	1-7/16	**034731**	F2B-PSEZ-107-P
	35mm	***034769***	*F2B-PSEZ-35M-P*
208	1-1/2	**034732**	F2B-PSEZ-108-P
	40mm	***034770***	*F2B-PSEZ-40M-P*
210	1-15/16	**034735**	F2B-PSEZ-115-P
	50mm	***034772***	*F28-PSEZ-50M-P*

DODGE®



E-Z KLEEN Mounted Bearings

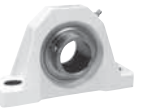
PSEZ POLYMER SLEEVE POLYMER HOUSED 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lb. *kg*	A	B	C	D	F Bolt Dia	H	J	L	M
204	3/4 *20mm*	0.42 *0.19*	1 *25.4*	4-29/64 *113.0*	1-3/16 *30.4*	3-17/32 *90.0*	3/8 *M10*	17/32 *13.5*	5/64 *1.9*	1-5/16 *33.3*	2-23/64 *59.9*
205	1 *25mm*	0.46 *0.21*	1-1/16 *27.0*	4-59/64 *125.0*	1-1/4 *31.5*	3-57/64 *99.0*	3/8 *M10*	35/64 *13.9*	1/8 *2.6*	1-7/16 *36.5*	2-23/64 *69.1*
206	1-3/6 1-1/4 *30mm*	0.62 0.61 *0.28*	1-3/16 *30.2*	5-19/32 *142.1*	1-11/32 *34.1*	4-19/32 *116.5*	3/8 *M10*	35/64 *13.9*	7/64 *2.6*	1-11/16 *42.9*	3-13/64 *81.4*
207	1-1/4 1-7/16 *35mm*	0.78 0.73 *0.36*	1-5/16 *33.3*	6-5/16 *160.3*	1-27/64 *36.2*	5-1/8 *130.0*	1/2 *M12*	5/8 *15.9*	9/64 *3.7*	2 *50.8*	3-45/64 *94.1*
208	1-1/2 *40mm*	1.01 *0.46*	1-1/2 *38.1*	6-25/32 *172.0*	1-5/8 *41.4*	5-21/32 *143.5*	1/2 *M12*	43/64 *17.1*	1/4 *4.6*	2 *50.8*	4-1/16 *103.1*
210	1-15/16 *50mm*	1.14 *0.52*	1-5/8 *41.3*	7-31/64 *19.1*	1-53/64 *46.5*	6-3/16 *157.0*	5/8 *M16*	49/64 *19.4*	1/4 *6.2*	2-9/16 *65.1*	4-1/2 *114.3*

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

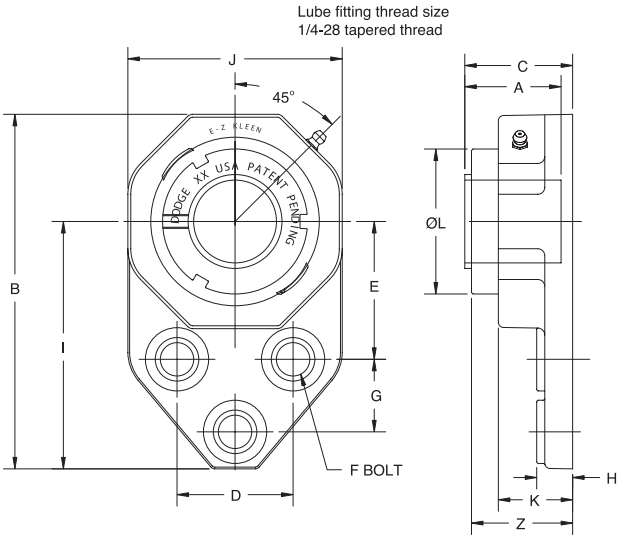
SELECTIONS/DIMENSIONS

DODGE®



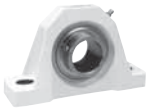
E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED FLANGE BEARINGS



SERIES	SHAFT SIZE	COMPLETE UNIT		UNIT WITHOUT ADAPTER		ADAPTER & NUT ASSEMBLY	
		PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
204	3/4	**129627**	FB-GTEZ-012-PCR	**129555**	FB-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
205	1	**129629**	FB-GTEZ-100-PCR	**129556**	FB-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
206	1-1/8	@	FB-GTEZ-102-PCR	**129557**	FB-GTEZ-06-PCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129631**	FB-GTEZ-103-PCR			**129970**	AN-GT-06-103-CR
	1-1/4	**129632**	FB-GTEZ-104S-PCR			**129971**	AN-GT-06-104S-CR
207	1-1/4	**129634**	FB-GTEZ-104-PCR	**129558**	FB-GTEZ-07-PCR	**129972**	AN-GT-07-104-CR
	1-3/8	@	FB-GTEZ-106-PCR			**129973**	AN-GT-07-106-CR
	1-7/16	**129635**	FB-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR

@ Assembled to order



E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY POLYMER HOUSED FLANGE BEARINGS

Series	Shaft Size	Weight lbs kg	A	B	C#	D	E	F Bolt Dia.	G	H	I	J	K	L	Z
204	3/4	0.75	1-15/32	4-25/64	1-45/64	1-1/2	1-11/16	3/8	7/8	17/32	3-15/64	2-11/32	1-1/8	1-1/2	1-11/16
205	1	1.12	1-29/64	4-29/32	1-11/16	1-5/8	1-13/16	3/8	1-1/8	35/64	3-9/16	2-23/32	1-9/64	1-51/64	1-47/64
206	1-1/8 1-3/16 1-1/4	1.77 1.67 1.57	1-39/64	5-31/64	1-53/64	1-7/8	2-1/16	3/8	1-1/4	39/64	3-7/8	3-13/64	1-1/4	2-5/64	1-25/32
207	1-1/4 1-3/8 1-7/16	2.65 2.58 2.55	1-5/8	6-7/64	1-27/32	2	2-3/8	1/2	1-1/4	5/8	4-17/64	3-45/64	1-9/32	2-3/8	1-53/64

#C dimension will vary slightly depending on true shaft diameter.

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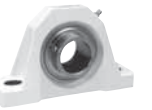
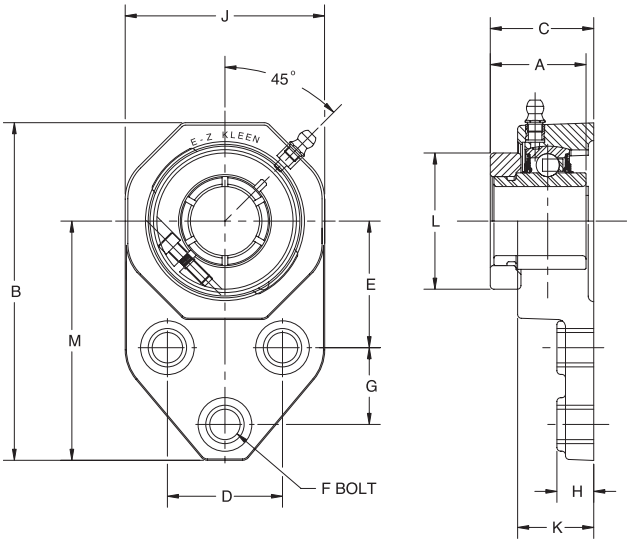
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED FLANGE BRACKETS

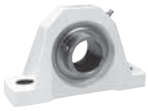


Series	Shaft Size	With Corrosion Resistant Insert		With Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	FB-SCEZ-008-PCR*	**062317**	FB-SCEZ-008-P
	5/8	@	FB-SCEZ-010-PCR*	@	FB-SCEZ-010-P
	3/4	**127533**	FB-SCEZ-012-PCR	**058336**	FB-SCEZ-012-P
	20 mm	***127570***	*FB-SCEZ-20M-PCR*	@	*FB-SCEZ-20M-P*
205	7/8	@	FB-SCEZ-014-PCR*	@	FB-SCEZ-014-P
	15/16	@	FB-SCEZ-015-PCR*	@	FB-SCEZ-015-P
	1	**127534**	FB-SCEZ-100-PCR	**057908**	FB-SCEZ-100-P
	25 mm	***127521***	*FB-SCEZ-25M-PCR*	@	*FB-SCEZ-25M-P*
206	1-1/8	@	FB-SCEZ-102-PCR*	@	FB-SCEZ-102-P
	1-3/16	**127535**	FB-SCEZ-103-PCR	@	FB-SCEZ-103-P
	1-1/4	**127536**	FB-SCEZ-104S-PCR	**058311**	FB-SCEZ-104S-P
	30 mm	***127522***	*FB-SCEZ-30M-PCR*	@	*FB-SCEZ-30M-P*
207	1-1/4	**127537**	FB-SCEZ-104-PCR	@	FB-SCEZ-104-P
	1-5/16	**058648**	FB-SCEZ-105-PCR*	@	FB-SCEZ-105-P
	1-3/8	@	FB-SCEZ-106-PCR*	@	FB-SCEZ-106-P
	1-7/16	**127538**	FB-SCEZ-107-PCR	@	FB-SCEZ-107-P
	35 mm	***127523***	*FB-SCEZ-35M-PCR*	@	*FB-SCEZ-35M-P*

@ Assembled to order
* 20 piece minimum

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

DODGE®

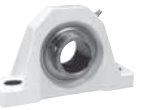


E-Z KLEEN Mounted Bearings
SCEZ NORMAL DUTY POLYMER HOUSED FLANGE BRACKETS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	I	J	K	L
204	1/2	0.51	1-5/32	4-25/64	1-27/64	1-1/2	1-11/16	3/8	7/8	17/32	3-3/16	2-11/32	1-1/8	1-1/8
	5/8	0.49												
	3/4	0.47												
	20 mm	*0.23*	*29.4*	*111.5*	*37.3*	*38.1*	*42.9*	*M10*	*22.2*	*13.5*	*81.1*	*59.4*	*28.4*	*28.6*
205	7/8	0.73	1-3/16	4-29/32	1-15/32	1-5/8	1-13/16	3/8	1-1/8	35/64	3-17/32	2-23/32	1-9/64	1-21/64
	15/16	0.71												
	1	0.69												
	25 mm	*0.32*	*30.2*	*124.6*	*40.1*	*41.3*	*46.1*	*M10*	*28.6*	*13.9*	*89.8*	*69.1*	*29.0*	*33.7*
206	1-1/8	1.09	1-25/64	5-31/64	1-21/32	1-7/8	2-1/16	3/8	1-1/4	39/64	3-57/64	3-13/64	1-1/4	1-37/64
	1-3/16	1.07												
	1-1/4	1.05												
	30 mm	*0.48*	*35.3*	*139.2*	*42.9*	*47.6*	*52.4*	*M10*	*31.8*	*15.5*	*98.6*	*81.3*	*31.8*	*40.1*
207	1-1/4	1.87	1-17/32	6-7/64	1-51/64	2	2-3/8	1/2	1-1/4	5/8	4-15/64	3-45/64	1-9/32	1-27/32
	1-5/16	1.81												
	1-3/8	1.76												
	1-7/16	1.71												
	35 mm	*0.83*	*38.9*	*155.2*	*46.4*	*50.8*	*60.3*	*M12*	*31.8*	*15.9*	*107.6*	*94.1*	*32.5*	*46.8*

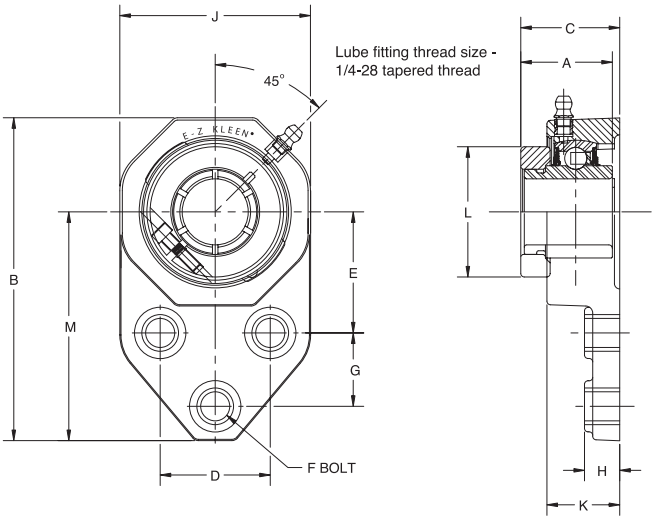
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

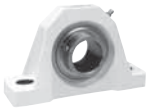
DLEZ NORMAL DUTY POLYMER HOUSED FLANGE BRACKETS



Series	Shaft Size	With Corrosion Resistant Insert		With Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127611**	FB-DLEZ-012-PCR	@	FB-DLEZ-012-P
	20 mm	***127648***	*FB-DLEZ-20M-PCR*	@	*FB-DLEZ-20M-P*
205	7/8	@	FB-DLEZ-014-PCR*	@	FB-DLEZ-014-P
	15/16	@	FB-DLEZ-015-PCR*	@	FB-DLEZ-015-P
	1	**127612**	FB-DLEZ-100-PCR	@	FB-DLEZ-100-P
	25 mm	***127649***	*FB-DLEZ-25M-PCR*	@	*FB-DLEZ-25M-P*
206	1-1/8	@	FB-DLEZ-102-PCR*	@	FB-DLEZ-102-P
	1-3/16	**127613**	FB-DLEZ-103-PCR	@	FB-DLEZ-103-P
	1-1/4	**127614**	FB-DLEZ-104S-PCR	@	FB-DLEZ-104S-P
	30 mm	***127650***	*FB-DLEZ-30M-PCR*	@	*FB-DLEZ-30M-P*
207	1-1/4	**127615**	FB-DLEZ-104-PCR	@	FB-DLEZ-104-P
	1-3/8	@	FB-DLEZ-106-PCR*	@	FB-DLEZ-106-P
	1-7/16	**127616**	FB-DLEZ-107-PCR	@	FB-DLEZ-107-P
	35 mm	***127651***	*FB-DLEZ-35M-PCR*	@	*FB-DLEZ-35M-P*

@ Assembled to order
* 20 piece minimum

DODGE®



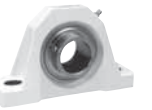
E-Z KLEEN Mounted Bearings
DLEZ NORMAL DUTY POLYMER HOUSED FLANGE BRACKETS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	I	J	K	L
204	3/4 *20 mm*	0.75 *0.35*	1-9/32 *32.5*	4-25/64 *111.5*	1-15/32 *37.3*	1-1/2 *38.1*	1-11/16 *42.9*	3/8 *M10*	7/8 *22.2*	17/32 *13.5*	3-3/16 *81.1*	2-11/32 *59.4*	1-1/8 *28.4*	1-45/64 *43.3*
205	7/8 15/16 1 *25 mm*	1.32 1.22 1.12 *0.51*	1-7/16 *36.5*	4-29/32 *124.6*	1-37/64 *40.1*	1-5/8 *41.3*	1-13/16 *46.1*	3/8 *M10*	1-1/8 *28.6*	35/64 *13.9*	3-17/32 *89.8*	2-45/64 *68.8*	1-9/64 *29.0*	2 *50.8*
206	1-1/8 1-3/16 1-1/4 *30 mm*	1.77 1.67 1.57 *0.76*	1-9/16 *39.7*	5-31/64 *139.3*	1-11/16 *42.9*	1-7/8 *47.6*	2-1/16 *52.4*	3/8 *M10*	1-1/4 *31.8*	39/64 *15.5*	3-57/64 *98.6*	3-13/64 *81.3*	1-1/4 *31.8*	2-7/32 *56.4*
207	1-1/4 1-3/8 1-7/16 *35 mm*	2.65 2.58 2.55 *1.22*	1-3/4 *44.5*	6-7/64 *155.2*	1-53/64 *46.4*	2 *50.8*	2-3/8 *60.3*	1/2 *M12*	1-1/4 *31.8*	5/8 *15.9*	4-15/64 *107.6*	3-45/64 *94.1*	1-9/32 *32.5*	2-11/16 *68.3*

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

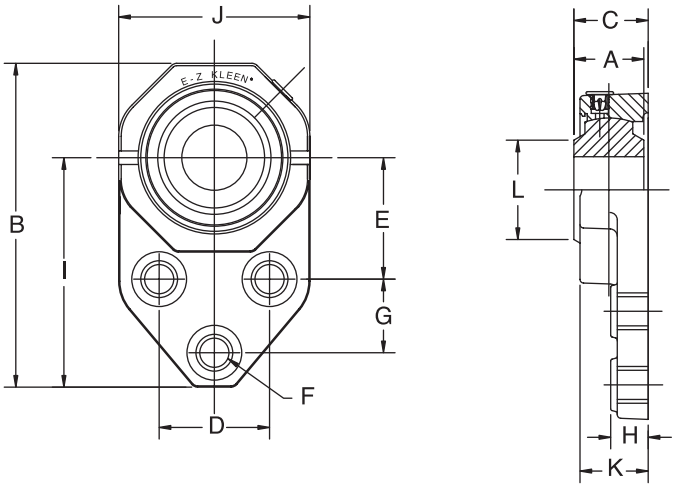
SELECTIONS/DIMENSIONS

DODGE®



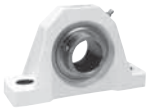
E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE POLYMER HOUSED 3-BOLT FLANGE BRACKET



Series	Shaft Size	Part No.	Description
204	3/4	**034736**	FB-PSEZ-012-P
	20mm	***034773***	*FB-PSEZ-20M-P*
205	1	**034737**	FB-PSEZ-100-P
	25mm	***034774***	*FB-PSEZ-25M-P*
206	1-3/16	**034738**	FB-PSEZ-103-P
	1-1/4	**034739**	FB-PSEZ-104S-P
	30mm	***034775***	*FB-PSEZ-30M-P*
207	1-1/4	**034740**	FB-PSEZ-104-P
	1-7/16	**034741**	FB-PSEZ-107-P
	35mm	***034776***	*FB-PSEZ-35M-P*

DODGE®



E-Z KLEEN Mounted Bearings

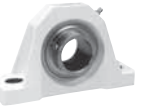
PSEZ POLYMER SLEEVE POLYMER HOUSED 3-BOLT FLANGE BRACKET

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F	G	H	I	J	K	L
204	3/4 *20mm*	0.4 *0.18*	1 *25.4*	4-25/64 *111.5*	1-3/16 *12.7*	1-1/2 *38.1*	1-11/16 *42.9*	3/8 *M10*	7/8 *22.2*	17/32 *13.5*	3-3/16 *81.1*	2-11/32 *59.4*	1-1/8 *28.4*	1-5/16 *33.3*
205	1 *25mm*	0.57 *0.23*	1-1/16 *27*	4-29/32 *124.7*	1-1/4 *31.5*	1-5/8 *41.3*	1-13/16 *46.1*	3/8 *M10*	1-1/8 *28.6*	35/64 *13.9*	3-17/32 *89.8*	2-45/64 *68.8*	1-9/64 *29*	1-7/16 *36.5*
206	1-3/16 1-1/4 *30mm*	0.83 0.82 *0.38*	1-3/16 *30.2*	5-31/64 *139.2*	1-11/32 *34.1*	1-7/8 *47.6*	2-1/16 *52.4*	3/8 *M10*	1-1/4 *31.7*	39/64 *15.5*	3-57/64 *98.6*	3-13/64 *81.3*	1-1/4 *31.8*	1-11/16 *42.9*
207	1-1/4 1-7/16 *35mm*	1.25 1.2 *0.57*	1-5/16 *33.3*	6-7/64 *155.2*	1-27/64 *36.2*	2 *50.8*	2-3/8 *60.3*	1/2 *M12*	1-1/4 *31.7*	5/8 *15.9*	4-15/64 *107.6*	3-45/64 *94.1*	1-9/32 *32.5*	2 *50.8*

Bearing Quick Reference
E-Z KLEEN
GRIP TIGHT Adapter Ball Bearing
Set Screw Ball Bearing
Eccentric Collar Ball Bearing

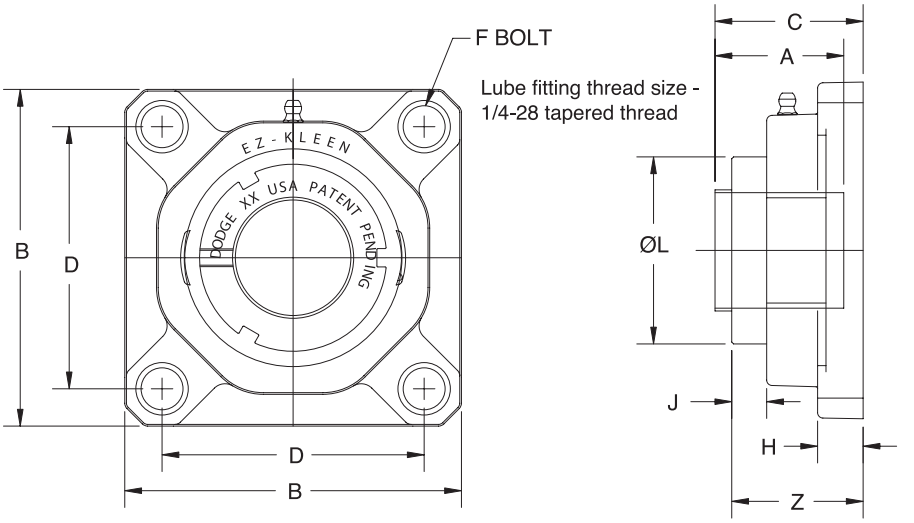
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129706**	F4B-GTEZ-012-PCR	**129541**	F4B-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
	20 mm	***129707***	*F4B-GTEZ-20M-PCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129708**	F4B-GTEZ-100-PCR	**129542**	F4B-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
	25 mm	***129709***	*F4B-GTEZ-25M-PCR*			***129981***	*AN-GT-05-25M-CR*
206	1-1/8	**068687**	F4B-GTEZ-102-PCR	**129543**	F4B-GTEZ-06-PCR	**129969**	AN-GT-06-102-CR
	1-3/16	**129710**	F4B-GTEZ-103-PCR			**129970**	AN-GT-06-103-CR
	1-1/4	**129711**	F4B-GTEZ-104S-PCR			**129971**	AN-GT-06-104S-CR
	30 mm	***129712***	*F4B-GTEZ-30M-PCR*			***129982***	*AN-GT-06-30M-CR*
207	1-1/4	**129713**	F4B-GTEZ-104-PCR	**129544**	F4B-GTEZ-07-PCR	**129972**	AN-GT-07-104-CR
	1-3/8	**@**	F4B-GTEZ-106-PCR			**129973**	AN-GT-07-106-CR
	1-7/16	**129714**	F4B-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR
	35 mm	***129715***	*F4B-GTEZ-35M-PCR*			***129983***	*AN-GT-07-35M-CR*
208	1-1/2	**129716**	F4B-GTEZ-108-PCR	**129545**	F4B-GTEZ-08-PCR	**129975**	AN-GT-08-108-CR
	40 mm	***129717***	*F4B-GTEZ-40M-PCR*			***129984***	*AN-GT-08-40M-CR*
209	1-11/16	**129718**	F4B-GTEZ-111-PCR	**129546**	F4B-GTEZ-09-PCR	**129976**	AN-GT-09-111-CR
	1-3/4	**064584**	F4B-GTEZ-112-PCR			**129977**	AN-GT-09-112-CR
	45 mm	***129705***	*F4B-GTEZ-45M-PCR*			***129985***	*AN-GT-09-45M-CR*
210	1-15/16	**129719**	F4B-GTEZ-115-PCR	**129547**	F4B-GTEZ-10-PCR	**129978**	AN-GT-10-115-CR
	2	**129395**	F4B-GTEZ-200-PCR			**129979**	AN-GT-10-200-CR
	50 mm	***129720***	*F4B-GTEZ-50M-PCR*			***129986***	*AN-GT-10-50M-CR*

@ Assembled to order

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

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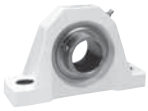

E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs kg	A	B	C#	D	F Bolt Dia.	H	J	L	Z
204	3/4	0.50	1-15/32	3-3/8	1-23/32	2-1/2	3/8	17/32	35/64	1-1/2	1-25/32
	20 mm	0.30	37.3	85.7	43.7	63.5	M10	13.5	13.9	38.1	45.2
205	1	0.90	1-29/64	3-3/4	1-45/64	2-3/4	3/8	35/64	17/32	1-51/64	1-49/64
	25 mm	0.30	36.9	95.3	43.3	69.9	M10	13.9	13.5	45.6	44.8
206	1-1/8 1-3/16 1-1/4	1.20	1-39/64	4-1/4	1-55/64	3-1/4	3/8	39/64	35/64	2-5/64	1-29/32
	30 mm	0.50	40.9	108.0	47.2	82.6	M10	15.5	13.9	52.8	48.4
207	1-1/4 1-3/8 1-7/16	1.60	1-5/8	4-21/32	1-7/8	3-5/8	1/2	5/8	35/64	2-3/8	1-61/64
	35 mm	0.70	41.3	118.3	47.6	92.1	M12	15.9	13.9	60.3	49.6
208	1-1/2	2.00	1-27/32	5-1/8	2-7/64	4	1/2	43/64	37/64	2-5/8	2-5/32
	40 mm	0.90	46.8	130.2	53.6	101.6	M12	17.1	14.7	66.7	54.8
209	1-11/16 1-3/4	2.30	1-55/64	5-3/8	2-7/64	4-1/8	9/16	23/32	19/32	2-55/64	2-13/64
	45 mm	1.00	47.2	136.5	53.6	104.8	M14	18.3	15.1	72.6	56.0
210	1-15/16 2	2.30	1-55/64	5-5/8	2-1/4	4-3/8	5/8	49/64	39/64	3-1/8	2-11/32
	50 mm	1.10	47.2	142.7	57.2	111.0	M16	19.4	15.5	79.4	59.5

#C dimension will vary slightly depending on true shaft diameter.

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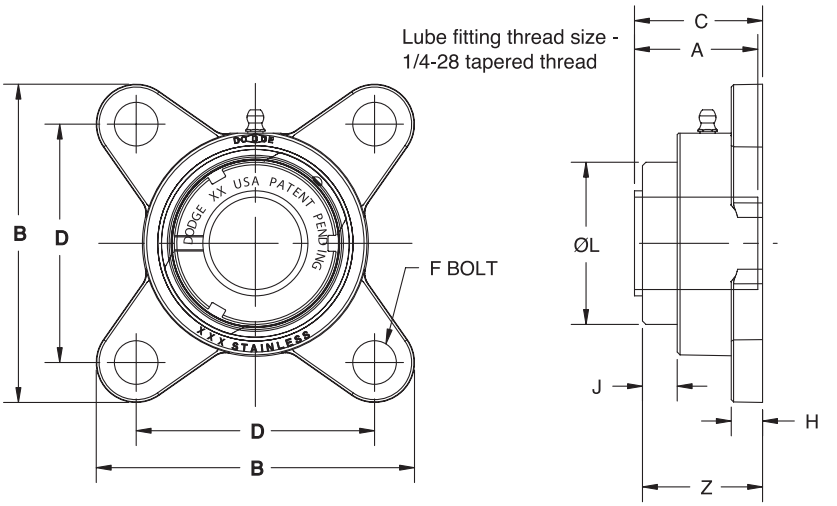
SELECTIONS/DIMENSIONS

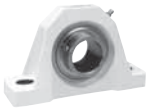
E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129721**	F4B-GTEZ-012-SHCR	**129567**	F4B-GTEZ-04-SHCR	**129967**	AN-GT-04-012-CR
	20mm	***129722***	*F4B-GTEZ-20M-SHCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129723**	F4B-GTEZ-100-SHCR	**129568**	F4B-GTEZ-05-SHCR	**129968**	AN-GT-05-100-CR
	25mm	***129724***	*F4B-GTEZ-25M-SHCR*			***129981***	*AN-GT-05-25M-CR*
206	1 -1/8	@	F4B-GTEZ-102-SHCR	**129569**	F4B-GTEZ-06-SHCR	**129969**	AN-GT-06-102-CR
	1 -3/16	**129725**	F4B-GTEZ-103-SHCR			**129970**	AN-GT-06-103-CR
	1 -1/4	**129726**	F4B-GTEZ-104S-SHCR			**129971**	AN-GT-06-104S-CR
	30mm	***129727***	*F4B-GTEZ-30M-SHCR*			***129982***	*AN-GT-06-30M-CR*
207	1 -1/4	**129728**	F4B-GTEZ-104-SHCR	**129570**	F4B-GTEZ-07-SHCR	**129972**	AN-GT-07-104-CR
	1 -3/8	**064993**	F4B-GTEZ-106-SHCR			**129973**	AN-GT-07-106-CR
	1 -7/16	**129729**	F4B-GTEZ-107-SHCR			**129974**	AN-GT-07-107-CR
	35mm	***129730***	*F4B-GTEZ-35M-SHCR*			***129983***	*AN-GT-07-35M-CR*
208	1 -1/2	**129731**	F4B-GTEZ-108-SHCR	**129571**	F4B-GTEZ-08-SHCR	**129975**	AN-GT-08-108-CR
	40mm	***129732***	*F4B-GTEZ-40M-SHCR*			***129984***	*AN-GT-08-40M-CR*
210	1-15/16	**129733**	F4B-GTEZ-115-SHCR	**129572**	F4B-GTEZ-10-SHCR	**129978**	AN-GT-10-115-CR
	2	**062901**	F4B-GTEZ-200-SHCR			**129979**	AN-GT-10-200-CR
	50mm	***129734***	*F4B-GTEZ-50M-SHCR*			***129986***	*AN-GT-10-50M-CR*

@ Assembled to order



E-Z KLEEN Mounted Bearings
GTEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs kg	A	B	C#	D	F Bolt Dia.	H	J	L	Z
204	3/4	1.23	1 15/32	3 11/32	1 33/64	2-1/2	3/8	21/64	19/32	1 1/2	1-37/64
	20mm	0.55	37.3	84.9	38.5	63.5	M10	8.3	15.1	38.1	40.1
205	1	1.69	1 29/64	3 3/4	1 35/64	2 3/4	3/8	23/64	35/64	1 51/64	1-39/64
	25mm	0.73	36.9	95.3	39.3	69.9	M10	9.1	13.9	45.6	40.9
206	1 -1/8 1 -3/16 1 -1/4	2.41	1 39/64	4 5/32	1 47/64	3 1/4	3/8	23/64	35/64	2-5/64	1-25/32
	30mm	1.07	40.9	105.6	44.1	82.6	M10	9.1	13.9	52.8	45.2
207	1 -1/4 1 -3/8 1 -7/16	3.42	1 5/8	4 11/16	1 25/32	3 5/8	1/2	27/64	35/64	2-3/8	1-55/64
	35mm	1.56	41.3	119.1	45.2	92.1	M12	10.7	13.9	60.3	47.2
208	1 -1/2	4.21	1 27/32	5 1/16	1 63/64	4	1/2	27/64	37/64	2-5/8	2-1/32
	40mm	1.91	46.8	128.6	50.4	101.6	M12	10.7	14.7	66.7	51.6
210	1-15/16 2	5.33	1 55/64	5 43/64	2	4 3/8	5/8	31/64	19/32	3-1/8	2-5/64
	50mm	2.39	47.2	144.1	50.8	111.1	M16	12.3	15.1	79.4	52.8

#C dimension will vary slightly depending on true shaft diameter.

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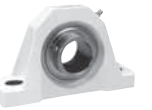
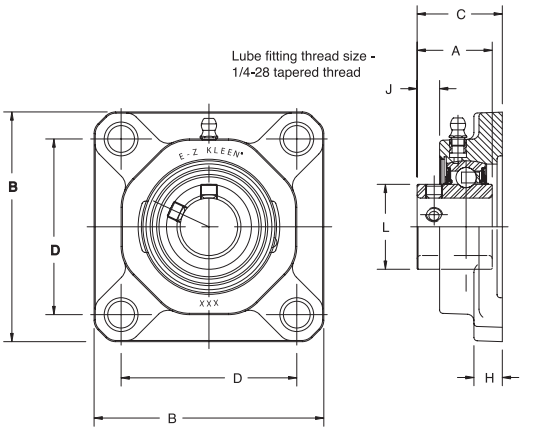
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		With Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	F4B-SCEZ-008L-PCR*	@	F4B-SCEZ-008L-P
	5/8	@	F4B-SCEZ-010L-PCR*	@	F4B-SCEZ-010L-P
	3/4	**127515**	F4B-SCEZ-012-PCR	**056440**	F4B-SCEZ-012-P
	20 mm	***127556***	*F4B-SCEZ-20M-PCR*	@	*F4B-SCEZ-20M-P*
205	7/8	**068424**	F4B-SCEZ-014-PCR*	@	F4B-SCEZ-014-P
	15/16	@	F4B-SCEZ-015-PCR*	@	F4B-SCEZ-015-P
	1	**127516**	F4B-SCEZ-100-PCR	**058910**	F4B-SCEZ-100-P
	25 mm	***127557***	*F4B-SCEZ-25M-PCR*	@	*F4B-SCEZ-25M-P*
206	1-1/8	@	F4B-SCEZ-102-PCR*	@	F4B-SCEZ-102-P
	1-3/16	**127517**	F4B-SCEZ-103-PCR	@	F4B-SCEZ-103-P
	1-1/4	**127518**	F4B-SCEZ-104S-PCR	**058594**	F4B-SCEZ-104S-P
	30 mm	***127558***	*F4B-SCEZ-30M-PCR*	@	*F2B-SCEZ-30M-P*
207	1-1/4	**127519**	F4B-SCEZ-104-PCR	@	F4B-SCEZ-104-P
	1-5/16	@	F4B-SCEZ-105-PCR*	@	F4B-SCEZ-105-P
	1-3/8	**058294**	F4B-SCEZ-106-PCR*	**065780**	F4B-SCEZ-106-P
	1-7/16	**127520**	F4B-SCEZ-107-PCR	@	F4B-SCEZ-107-P
	35 mm	***127559***	*F4B-SCEZ-35M-PCR*	@	*F4B-SCEZ-35M-P*
208	1-1/2	**127521**	F4B-SCEZ-108-PCR	**058595**	F4B-SCEZ-108-P
	1-5/8	@	F4B-SCEZ-110-PCR*	@	F4B-SCEZ-110-P
	40 mm	***127560***	*F4B-SCEZ-40M-PCR*	@	*F4B-SCEZ-40M-P*
209	1-5/8	@	F4B-SCEZ-110L-PCR*	@	F4B-SCEZ-110L-P
	1-11/16	**127522**	F4B-SCEZ-111-PCR	@	F4B-SCEZ-111-P
	1-3/4	**057907**	F4B-SCEZ-112-PCR*	@	F4B-SCEZ-112-P
	45 mm	***127561***	*F4B-SCEZ-45M-PCR*	@	*F4B-SCEZ-45M-P*
210	1-15/16	**127523**	F4B-SCEZ-115-PCR	@	F4B-SCEZ-115-P
	2	**057899**	F4B-SCEZ-200-PCR	@	F4B-SCEZ-200-P
	50 mm	***127562***	*F4B-SCEZ-50M-PCR*	@	*F4B-SCEZ-50M-P*

@ Assembled to order

* 20 piece minimum

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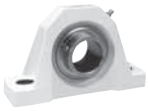
DODGE®



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L
204	1/2 5/8 3/4 *20 mm*	0.59 0.57 0.55 *0.27*	1-5/32 *29.4*	3-3/8 *85.9*	1-29/64 *36.8*	2-1/2 *63.5*	3/8 *M10*	17/32 *13.5*	19/64 *7.6*	1-1/8 *28.6*
205	7/8 15/16 1 *25 mm*	0.71 0.69 0.67 *0.32*	1-3/16 *30.2*	3-3/4 *95.3*	1-1/2 *38.1*	2-3/4 *70.0*	3/8 *M10*	35/64 *13.9*	21/64 *8.4*	1-21/64 *33.7*
206	1-1/8 1-3/16 1-1/4 *30 mm*	0.89 0.86 0.84 *0.39*	1-25/64 *35.3*	4-1/4 *108.1*	1-11/16 *42.8*	3-1/4 *82.5*	3/8 *M10*	39/64 *15.5*	27/64 *10.6*	1-37/64 *40.1*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35 mm*	1.40 1.35 1.30 1.24 *0.61*	1-17/32 *38.9*	4-21/32 *118.1*	1-53/64 *46.5*	3-5/8 *92.0*	1/2 *M12*	5/8 *15.9*	33/64 *13.2*	1-27/32 *46.8*
208	1-1/2 1-5/8 *40 mm*	1.82 1.68 *0.76*	1-11/16 *42.9*	5-1/8 *130.0*	2 *50.9*	4 *101.5*	1/2 *M12*	43/64 *16.9*	33/64 *13.3*	2-3/64 *52.0*
209	1-5/8 1-11/16 1-3/4 *45 mm*	2.09 2.00 1.93 *0.88*	1-23/32 *43.7*	5-3/8 *136.7*	2-1/32 *51.7*	4-1/8 *105.0*	9/16 *M14*	23/32 *18.2*	9/16 *14.1*	2-7/32 *56.4*
210	1-15/16 2 *50 mm*	2.12 2.03 *0.96*	1-3/4 *44.5*	5-5/8 *142.7*	2-13/64 *56.0*	4-3/8 *111.0*	5/8 *M16*	49/64 *19.3*	19/32 *15.1*	2-7/16 *61.9*

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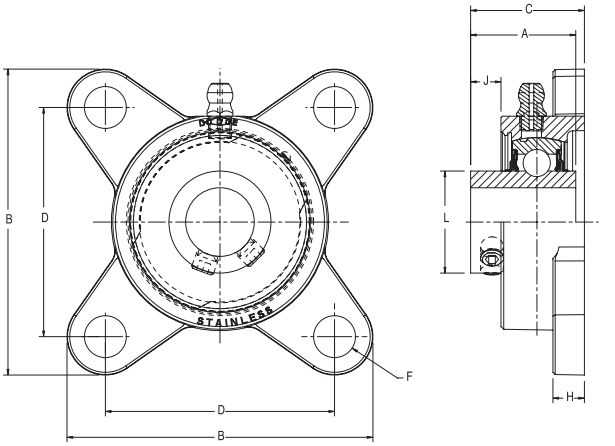
E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		With Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	F4B-SCEZ-008L-SHCR*	@	F4B-SCEZ-008L-SH
	5/8	@	F4B-SCEZ-010L-SHCR*	@	F4B-SCEZ-010L-SH
	3/4	**127689**	F4B-SCEZ-012-SHCR	**056806**	F4B-SCEZ-012-SH
	20mm	***127709***	*F4B-SCEZ-20M-SHCR*	@	*F4B-SCEZ-20M-SH*
205	7/8	**065600**	F4B-SCEZ-014-SHCR*	@	F4B-SCEZ-014-SH
	15/16	@	F4B-SCEZ-015-SHCR*	@	F4B-SCEZ-015-SH
	1	**127690**	F4B-SCEZ-100-SHCR	**056593**	F4B-SCEZ-100-SH
	25mm	***127710***	*F4B-SCEZ-25M-SHCR*	@	*F4B-SCEZ-25M-SH*
206	1-1/8	@	F4B-SCEZ-102-SHCR*	**049477**	F4B-SCEZ-102-SH
	1-3/16	**127691**	F4B-SCEZ-103-SHCR	**056807**	F4B-SCEZ-103-SH
	1-1/4	**127692**	F4B-SCEZ-104S-SHCR	@	F4B-SCEZ-104S-SH
	30mm	***127711***	*F4B-SCEZ-30M-SHCR*	@	*F4B-SCEZ-30M-SH*
207	1-1/4	**127693**	F4B-SCEZ-104-SHCR	**056633**	F4B-SCEZ-104-SH
	1-3/8	@	F4B-SCEZ-106-SHCR*	@	F4B-SCEZ-106-SH
	1-7/16	**127694**	F4B-SCEZ-107-SHCR	**056808**	F4B-SCEZ-107-SH
	35mm	***127712***	*F4B-SCEZ-35M-SHCR*	@	*F4B-SCEZ-35M-SH*
208	1-1/2	**127695**	F4B-SCEZ-108-SHCR	**056809**	F4B-SCEZ-108-SH
	1-5/8	@	F4B-SCEZ-110-SHCR*	**062340**	F4B-SCEZ-110-SH
	40mm	***127713***	*F4B-SCEZ-40M-SHCR*	@	*F4B-SCEZ-40M-SH*
210	1-11/16	@	F4B-SCMEZ-111-SHCR*	@	F4B-SCMEZ-111-SH
	1-3/4	@	F4B-SCMEZ-112-SHCR*	**065945**	F4B-SCMEZ-112-SH
	1-15/16	**127696**	F4B-SCEZ-115-SHCR	**056810**	F4B-SCEZ-115-SH
	2	**062542**	F4B-SCEZ-200-SHCR	@	
	50mm	***127714***	*F4B-SCEZ-50M-SHCR*	@	*F4B-SCEZ-50M-SH*

@ Assembled to order *20 piece minimum

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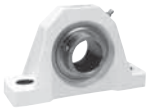


E-Z KLEEN Mounted Bearings

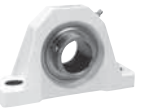
SCEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	D	F Bolt	H	J	L
204	1/2 5/8 3/4 *20mm*	1.16 1.12 1.08 *0.49*	1-5/32 *29.4*	3-11/32 *84.9*	1-1/4 *31.8*	2-1/2 *63.5*	3/8 *M10*	21/64 *8.3*	11/32 *8.7*	1-1/8 *28.6*
205	7/8 15/16 1 *25mm*	1.47 1.43 1.39 *0.63*	1-3/16 *30.2*	3-3/4 *95.3*	1-11/32 *34.1*	2-3/4 *69.9*	3/8 *M10*	23/64 *9.1*	3/8 *9.5*	1-21/64 *33.7*
206	1-1/8 1-3/16 1-1/4 *30mm*	2.13 2.09 2.05 *0.95*	1-25/64 *35.3*	4-5/32 *105.6*	1-9/16 *39.7*	3-1/4 *82.6*	3/8 *M10*	23/64 *9.1*	27/64 *10.7*	1-37/64 *40.1*
207	1-1/4 1-3/8 1-7/16 *35mm*	2.95 2.83 2.78 *1.29*	1-17/32 *38.9*	4-11/16 *119.1*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	27/64 *10.7*	17/32 *13.5*	1-27/32 *46.8*
208	1-1/2 1-5/8 *40mm*	3.70 *1.64*	1-11/16 *42.9*	5-1/16 *128.6*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	27/64 *10.7*	17/32 *13.5*	2-3/64 *52.0*
210	1-11/16 1-3/4 1-15/16 2 *50mm*	4.64 4.40 4.60 4.56 *2.07*	1-3/4 *44.5*	5-43/64 *144.1*	1-61/64 *49.6*	4-3/8 *111.1*	5/8 *M16*	31/64 *12.3*	19/32 *15.1*	2-7/16 *61.9*

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

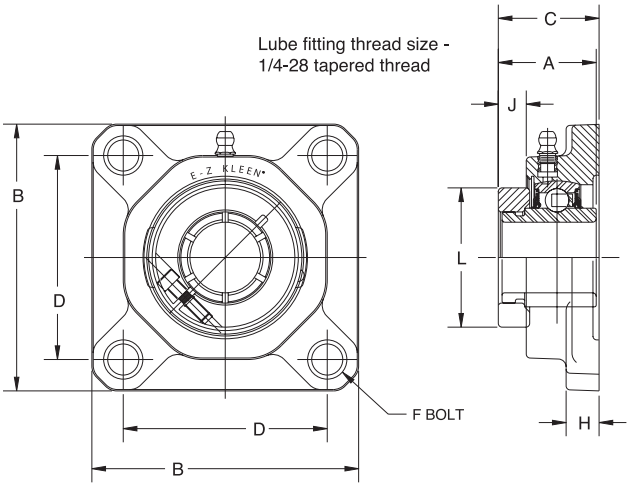
SELECTIONS/DIMENSIONS

DODGE®



E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127593**	F4B-DLEZ-012-PCR	@	F4B-DLEZ-012-P
	20 mm	***127634***	*F4B-DLEZ-20M-PCR*	@	*F4B-DLEZ-20M-P*
205	7/8	@	F4B-DLEZ-014-PCR*	@	F4B-DLEZ-014-P
	15/16	@	F4B-DLEZ-015-PCR*	@	F4B-DLEZ-015-P
	1	**127594**	F4B-DLEZ-100-PCR	@	F4B-DLEZ-100-P
	25 mm	***127635***	*F4B-DLEZ-25M-PCR*	@	*F4B-DLEZ-25M-P*
206	1-1/8	@	F4B-DLEZ-102-PCR*	@	F4B-DLEZ-102-P
	1-3/16	**127595**	F4B-DLEZ-103-PCR	@	F4B-DLEZ-103-P
	1-1/4	**127596**	F4B-DLEZ-104S-PCR	@	F4B-DLEZ-104S-P
	30 mm	***127636***	*F4B-DLEZ-30M-PCR*	@	*F4B-DLEZ-30M-P*
207	1-1/4	**127597**	F4B-DLEZ-104-PCR	@	F4B-DLEZ-104-P
	1-3/8	@	F4B-DLEZ-106-PCR*	@	F4B-DLEZ-106-P
	1-7/16	**127598**	F4B-DLEZ-107-PCR	@	F4B-DLEZ-107-P
	35 mm	***127637***	*F4B-DLEZ-35M-PCR*	@	*F4B-DLEZ-35M-P*
208	1-1/2	**127599**	F4B-DLEZ-108-PCR	@	F4B-DLEZ-108-P
	40 mm	***127638***	*F4B-DLEZ-40M-PCR*	@	*F4B-DLEZ-40M-P*
209	1-5/8	@	F4B-DLEZ-110L-PCR*	@	F4B-DLEZ-110L-P
	1-11/16	**127600**	F4B-DLEZ-111-PCR	@	F4B-DLEZ-111-P
	1-3/4	@	F4B-DLEZ-112-PCR*	@	F4B-DLEZ-112-P
	45 mm	***127639***	*F4B-DLEZ-45M-PCR*	@	*F4B-DLEZ-45M-P*
210	1-15/16	**127601**	F4B-DLEZ-115-PCR	@	F4B-DLEZ-115-P
	2	**058514**	F4B-DLEZ-200-PCR*	@	F4B-DLEZ-200-P
	50 mm	***127640***	*F4B-DLEZ-50M-PCR*	@	*F4B-DLEZ-50M-P*

@ Assembled to order

* 20 piece minimum

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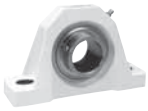

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L
204	3/4	0.50	1-9/32	3-3/8	1-29/64	2-1/2	3/8	17/32	19/64	1-45/64
	20 mm	*0.30*	*32.5*	*85.9*	*36.8*	*63.5*	*M10*	*13.5*	*7.6*	*43.3*
205	7/8	0.90	1-7/16	3-3/4	1-1/2	2-3/4	3/8	35/64	21/64	2
	15/16	0.80								
	1	0.70								
	25 mm	*0.30*	*36.5*	*95.3*	*38.1*	*70.0*	*M10*	*13.9*	*8.4*	*50.8*
206	1-1/8	1.20	1-9/16	4-1/4	1-11/16	3-1/4	3/8	39/64	27/64	2-7/32
	1-3/16	1.10								
	1-1/4	1.10								
	30 mm	*0.50*	*39.7*	*108.1*	*42.8*	*82.5*	*M10*	*15.5*	*10.6*	*56.4*
207	1-1/4	1.60	1-3/4	4-21/32	1-53/64	3-5/8	1/2	5/8	33/64	2-11/16
	1-3/8	1.50								
	1-7/16	1.40								
	35 mm	*0.70*	*44.5*	*118.1*	*46.5*	*92.0*	*M12*	*15.9*	*13.2*	*68.3*
208	1-1/2	2.00	2	5-1/8	2	4	1/2	43/64	33/64	2-47/64
	40 mm	*0.90*	*50.8*	*130.0*	*50.9*	*101.5*	*M12*	*16.9*	*13.3*	*69.5*
209	1-5/8	2.30	2	5-3/8	2-1/32	4-1/8	9/16	23/32	9/16	2-63/64
	1-11/16	2.20								
	1-3/4	2.10								
	45 mm	*1.00*	*50.8*	*136.7*	*51.7*	*105.0*	*M14*	*18.2*	*14.1*	*75.8*
210	1-15/16	2.30	2-3/32	5-5/8	2-13/64	4-3/8	5/8	49/64	19/32	3-15/64
	2	2.20								
	50 mm	*1.10*	*53.2*	*142.7*	*56.0*	*111.0*	*M16*	*19.3*	*15.1*	*82.1*

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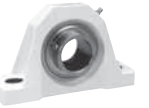
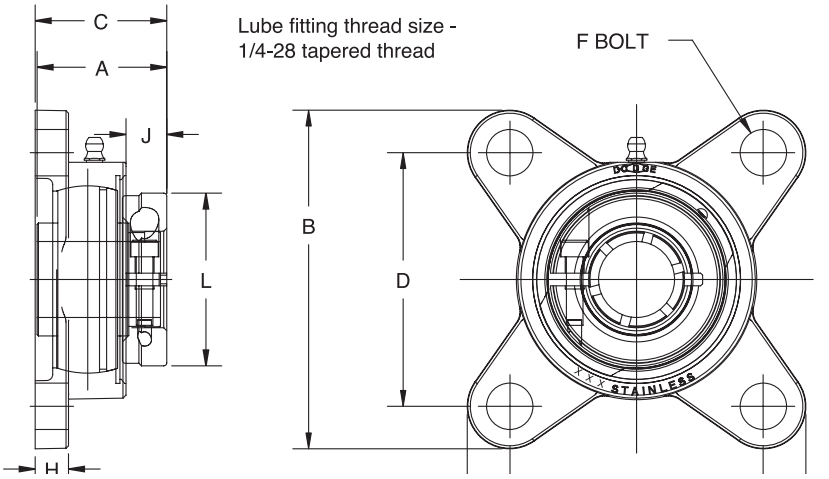
SELECTIONS/DIMENSIONS

DODGE®



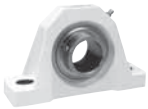
E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	**127731**	F4B-DLEZ-012-SHCR
	20mm	***127751***	*F4B-DLEZ-20M-SHCR*
205	7/8	@	F4B-DLEZ-014-SHCR*
	15/16	@	F4B-DLEZ-015-SHCR*
	1	**127732**	F4B-DLEZ-100-SHCR
	25mm	***127752***	*F4B-DLEZ-25M-SHCR*
206	1-1/8	@	F4B-DLEZ-102-SHCR*
	1-3/16	**127733**	F4B-DLEZ-103-SHCR
	1-1/4	**127734**	F4B-DLEZ-104S-SHCR
	30mm	***127753***	*F4B-DLEZ-30M-SHCR*
207	1-1/4	**127735**	F4B-DLEZ-104-SHCR
	1-3/8	@	F4B-DLEZ-106-SHCR*
	1-7/16	**127736**	F4B-DLEZ-107-SHCR
	35mm	***127754***	*F4B-DLEZ-35M-SHCR*
208	1-1/2	**127737**	F4B-DLEZ-108-SHCR
	40mm	***127755***	*F4B-DLEZ-40M-SHCR*
210	1-11/16	@	F4B-DLEZM-111-SHCR*
	1-15/16	**127738**	F4B-DLEZ-115-SHCR
	50mm	***127756***	*F4B-DLEZ-50M-SHCR*

@ Assembled to order
*20 piece minimum



E-Z KLEEN Mounted Bearings
DLEZ NORMAL DUTY STAINLESS STEEL 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L
204	3/4	1.23	1-9/32	3-11/32	1-19/64	2-1/2	3/8	21/64	13/32	1-45/64
	20mm	*0.55*	*32.5*	*84.9*	*32.9*	*63.5*	*M10*	*8.3*	*10.3*	*43.3*
205	7/8	1.69	1-7/16	3-3/4	1-25/64	2-3/4	3/8	23/64	31/64	2
	15/16	1.65								
	1	1.61								
	25mm	*0.73*	*36.5*	*95.3*	*35.3*	*69.9*	*M10*	*9.1*	*12.3*	*50.8*
206	1-1/8	2.41	1-9/16	4-5/32	1-19/32	3-1/8	3/8	23/64	29/64	2-7/32
	1-3/16	2.36								
	1-1/4	2.31								
	30mm	*1.07*	*39.7*	*105.6*	*40.5*	*82.6*	*M10*	*9.1*	*11.5*	*56.4*
207	1-1/4	3.42	1-3/4	4-11/16	1-25/32	3-5/8	1/2	27/64	9/16	2-11/16
	1-3/8	3.29								
	1-7/16	3.25								
	35mm	*1.56*	*44.5*	*119.1*	*45.2*	*92.1*	*M12*	*10.7*	*14.3*	*68.3*
208	1-1/2	4.21	2	5-1/16	2-1/32	4	1/2	27/64	11/16	2-47/64
	40mm	*1.91*	*50.8*	*128.6*	*51.6*	*101.6*	*M12*	*10.7*	*17.5*	*69.5*
210	1-11/16	5.33	2-3/32	5-43/64	2-9/64	4-3/8	5/8	31/64	25/32	3-15/64
	1-15/16	5.28								
	50mm	*2.39*	*53.2*	*144.1*	*54.4*	*111.1*	*M16*	*12.3*	*19.8*	*82.2*

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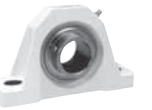
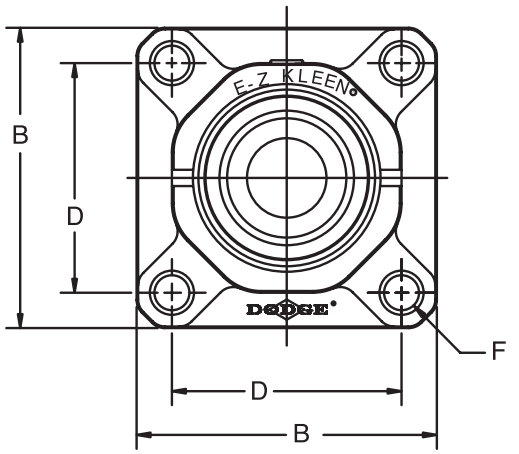
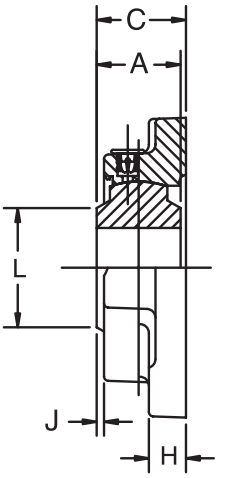
SELECTIONS/DIMENSIONS



E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE POLYMER HOUSED 4-BOLT FLANGE BEARINGS





Series	Shaft Size	Part No.	Description
204	3/4	**034716**	F4B-PSEZ-012-P
	20mm	***034759***	*F4B-PSEZ-20M-P*
205	1	**034717**	F4B-PSEZ-100-P
	25mm	***034760***	*F4B-PSEZ-25M-P*
206	1-3/16	**034718**	F4B-PSEZ-103-P
	1-1/4	**034719**	F4B-PSEZ-104S-P
	30mm	***034761***	*F4B-PSEZ-30M-P*
207	1-1/4	**034720**	F4B-PSEZ-104-P
	1-7/16	**034721**	F4B-PSEZ-107-P
	35mm	***034762***	*F4B-PSEZ-35M-P*
208	1-1/2	**034722**	F4B-PSEZ-108-P
	40mm	***034763***	*F4B-PSEZ-40M-P*
210	1-15/16	**034725**	F4B-PSEZ-115-P
	50mm	***034765***	*F4B-PSEZ-50M-P*

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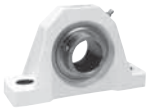

E-Z KLEEN Mounted Bearings

PSEZ POLYMER SLEEVE POLYMER HOUSED 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia	H	J	L
204	3/4 *20mm*	0.48 *0.22*	1 *25.4*	3-3/8 *85.9*	1-7/32 *31.1*	2-1/2 *63.5*	3/8 *M10*	17/32 *13.5*	5/64 *1.9*	1-5/16 *33.3*
205	1 *25mm*	0.55 *0.25*	1-1/16 *27*	3-3/4 *95.3*	1-17/64 *32.3*	2-3/4 *70.0*	3/8 *M10*	35/64 *13.9*	1/8 *2.6*	1-7/16 *36.5*
206	1-3/16 1-1/4 *30mm*	0.89 0.88 *0.40*	1-3/16 *30.2*	4-1/4 *108.0*	1-3/8 *34.9*	3-1/4 *82.5*	3/8 *M10*	39/64 *15.5*	7/64 *2.6*	1-11/16 *42.9*
207	1-1/4 1-7/16 *35mm*	0.97 0.92 *0.44*	1-5/16 *33.3*	4-21/32 *118.1*	1-29/64 *37.0*	3-5/8 *92.0*	1/2 *M12*	5/8 *15.9*	9/64 *3.7*	2.0 *50.8*
208	1-1/2 *40mm*	1.23 *0.56*	1-1/2 *38.1*	5-1/8 *130.0*	1-21/32 *42.2*	4.0 *101.5*	1/2 *M12*	43/64 *16.9*	1/4 *4.6*	2.0 *50.8*
210	1-15/16 *50mm*	1.35 *0.61*	1-5/8 *41.3*	5-5/8 *142.7*	1-55/64 *47.3*	4-3/8 *111.0*	5/8 *M16*	49/64 *19.3*	1/4 *6.4*	2-9/16 *65.1*

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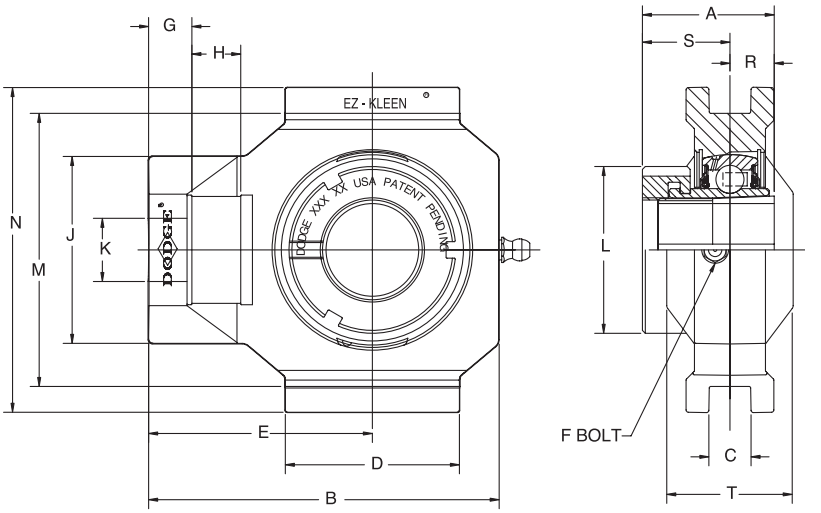
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Unit without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**136315**	WSTU-GTEZ-012-PCR	**136327**	WSTU-GTEZ-04-PCR	**129967**	AN-GT-04-012-CR
	20 mm	***136323***	*WSTU-GTEZ-20M-PCR*			***129980***	*AN-GT-04-20M-CR*
205	1	**136316**	WSTU-GTEZ-100-PCR	**136328**	WSTU-GTEZ-05-PCR	**129968**	AN-GT-05-100-CR
	25 mm	***136324***	*WSTU-GTEZ-25M-PCR*			***129981***	*AN-GT-05-25M-CR*
206	1-1/8	**136317**	WSTU-GTEZ-102-PCR	**136329**	WSTU-GTEZ-06-PCR	**129969**	AN-GT-06-102-CR
	1-3/16	**136318**	WSTU-GTEZ-103-PCR			**129970**	AN-GT-06-103-CR
	1-1/4	**136319**	WSTU-GTEZ-104S-PCR			**129971**	AN-GT-06-104S-CR
	30 mm	**136325**	*WSTU-GTEZ-30M-PCR*			***129982***	*AN-GT-06-30M-CR*
207	1-1/4	**136320**	WSTU-GTEZ-104-PCR	**136330**	WSTU-GTEZ-07-PCR	**129972**	AN-GT-07-104-CR
	1-3/8	**136321**	WSTU-GTEZ-106-PCR			**129973**	AN-GT-07-106-CR
	1-7/16	**136322**	WSTU-GTEZ-107-PCR			**129974**	AN-GT-07-107-CR
	35 mm	***136326***	*WSTU-GTEZ-35M-PCR*			***129983***	*AN-GT-07-35M-CR*

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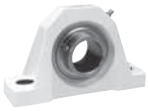

E-Z KLEEN Mounted Bearings

GTEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame No. Ref.	A	B	C**	D	E	F Thd Shaft	G
204	3/4 *20 mm*	0.90 *0.40*	WS300	1-15/32 *37.3*	3-13/16 *96.8*	17/32 *13.5*	2 *50.8*	2-1/2 *63.5*	5/8 *15.9*	1/2 *12.7*
205	1 *25 mm*	1.20 *0.50*	WS300	1-29/64 *36.9*	3-15/16 *100.1*	17/32 *13.5*	2 *50.8*	2-9/16 *65.0*	5/8 *15.9*	1/2 *12.7*
206	1-1/8 1-3/16 1-1/4 *30 mm*	1.80 1.70 1.60 *0.80*	WS308	1-39/64 *40.9*	4-1/2 *114.3*	17/32 *13.5*	2-1/4 *57.2*	2-7/8 *73.0*	3/4 *19.1*	1/2 *12.7*
207	1-1/4 1-3/8 1-7/16 *35 mm*	2.40 2.30 2.30 *1.08*	WS308	1-5/8 *41.3*	4-15/16 *125.2*	17/32 *13.5*	2-1/4 *57.2*	3-1/8 *79.2*	3/4 *19.1*	1/2 *12.7*

Series	Shaft Size	H	J	K	L	M**	N	R#	S#	T
204	3/4 *20 mm*	5/8 *15.9*	2-3/32 *53.3*	1-9/64 *29.0*	1-1/2 *38.1*	3 *76.2*	3-5/8 *92.1*	31/64 *12.3*	63/64 *25.0*	1-3/8 *35.1*
205	1 *25 mm*	5/8 *15.9*	2-1/8 *53.8*	1 9/64 *29.0*	1-51/64 *45.6*	3 *76.2*	3-5/8 *92.1*	1/2 *12.8*	61/64 *24.2*	1-3/8 *35.1*
206	1-1/8 1-3/16 1-1/4 *30 mm*	5/8 *15.9*	2-3/8 *61.2*	1-3/8 *34.8*	2-5/64 *52.8*	3 1/2 *88.9*	4-1/4 *108.0*	17/32 *13.5*	1-5/64 *27.4*	1-5/8 *41.1*
207	1-1/4 1-3/8 1-7/16 35 mm	5/8 15.9	2-27/64 61.5	1-3/8 34.8	2-3/8 60.3	3 1/2 88.9	4-1/4 108.0	9/16 14.3	1-1/16 27.0	1-5/8 41.1

R & S dimension will vary slightly depending on true shaft diameter

** + or - .020

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SELECTIONS/DIMENSIONS

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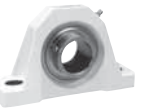
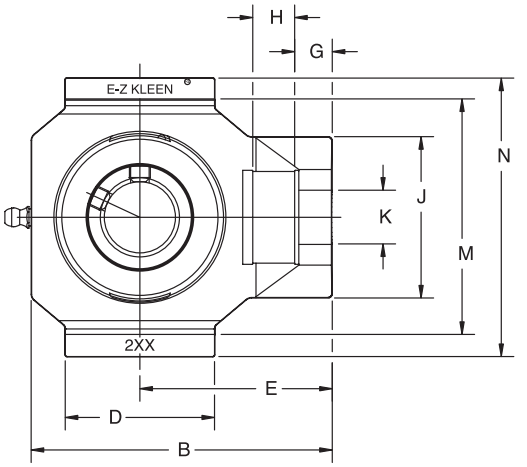
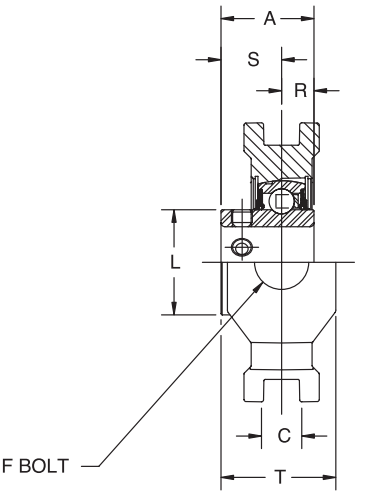


E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS

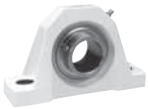




Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	1/2	@	WSTU-SCEZ-008L-PCR*	@	WSTU-SCEZ-008L-P
	5/8	@	WSTU-SCEZ-010L-PCR*	@	WSTU-SCEZ-010L-P
	3/4	**127539**	WSTU-SCEZ-012-PCR	@	WSTU-SCEZ-012-P
	20 mm	***127574***	*WSTU-SCEZ-20M-PCR*	@	*WSTU-SCEZ-20M-P*
205	7/8	@	WSTU-SCEZ-014-PCR*	@	WSTU-SCEZ-014-P
	15/16	@	WSTU-SCEZ-015-PCR*	@	WSTU-SCEZ-015-P
	1	**127540**	WSTU-SCEZ-100-PCR	**058940**	WSTU-SCEZ-100-P
	25 mm	***127575***	*WSTU-SCEZ-25M-PCR*	@	*WSTU-SCEZ-25M-P*
206	1-1/8	@	WSTU-SCEZ-102-PCR*	@	WSTU-SCEZ-102-P
	1-3/16	**127541**	WSTU-SCEZ-103-PCR	@	WSTU-SCEZ-103-P
	1-1/4	**127542**	WSTU-SCEZ-104S-PCR	@	WSTU-SCEZ-104S-P
	30 mm	***127576***	*WSTU-SCEZ-30M-PCR*	@	*WSTU-SCEZ-30M-P*
207	1-1/4	**127543**	WSTU-SCEZ-104-PCR	@	WSTU-SCEZ-104-P
	1-5/16	@	WSTU-SCEZ-105-PCR*	@	WSTU-SCEZ-105-P
	1-3/8	@	WSTU-SCEZ-106-PCR*	@	WSTU-SCEZ-106-P
	1-7/16	**127544**	WSTU-SCEZ-107-PCR	@	WSTU-SCEZ-107-P
	35 mm	***127577***	*WSTU-SCEZ-35M-PCR*	@	*WSTU-SCEZ-35M-P*

@ Assembled to order
* 20 piece minimum

DODGE®



E-Z KLEEN Mounted Bearings

SCEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame No. Ref.	A	B	C**	D	E	F Thd Shaft	G
204	1/2 5/8 3/4 *20 mm*	0.86 0.76 0.66 *0.31*	WS300	1-5/32 *29.4*	3-13/16 *96.8*	17/32 *13.5*	2 *50.8*	2-1/2 *63.5*	5/8 *15.9*	1/2 *12.7*
205	7/8 15/16 1 *25 mm*	0.92 0.82 0.72 *0.34*	WS300	1-3/16 *30.2*	3-15/16 *100.0*	17/32 *13.5*	2 *50.8*	2-9/16 *65.1*	5/8 *15.9*	1/2 *12.7*
206	1-1/8 1-3/16 1-1/4 *30 mm*	1.11 1.09 1.07 *0.49*	WS308	1-25/64 *35.3*	4-1/2 *114.3*	17/32 *13.5*	2-1/4 *57.2*	2-7/8 *73.0*	3/4 *19.1*	1/2 *12.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35 mm*	1.58 1.52 1.47 1.42 *0.69*	WS308	1-17/32 *38.9*	4-15/16 *125.4*	17/32 *13.5*	2-1/4 *57.2*	3-1/8 *79.4*	3/4 *19.1*	1/2 *12.7*

Series	Shaft Size	H	J	K	L	M**	N	R	S	T
204	1/2 5/8 3/4 *20 mm*	5/8 *15.9*	2 -3/32 *53.2*	1-9/64 *29.0*	1-1/8 *28.6*	3 *76.2*	3 -5/8 *92.1*	27/64 *10.7*	47/64 *18.7*	1 3/8 *35.1*
205	7/8 15/16 1 *25 mm*	5/8 *15.9*	2-1/8 *54.0*	1-9/64 *29.0*	1-21/64 *33.7*	3 *76.2*	3 -5/8 *92.1*	27/64 *10.7*	49/64 *19.4*	1 3/8 *35.1*
206	1-1/8 1-3/16 1-1/4 *30 mm*	5/8 *15.9*	2-3/8 *60.3*	1-3/8 *34.9*	1-37/64 *40.1*	3-1/2 *88.9*	4 -1/4 *108.0*	31/64 *12.3*	29/32 *23.0*	1 5/8 *41.1*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35 mm*	5/8 *15.9*	2-27/64 *61.5*	1-3/8 *34.9*	1-27/32 *46.8*	3-1/2 *88.9*	4 -1/4 *108.0*	32/64 *12.7*	1 1/32 *26.2*	1 5/8 *41.1*

** + or - .020" + or - .50 mm

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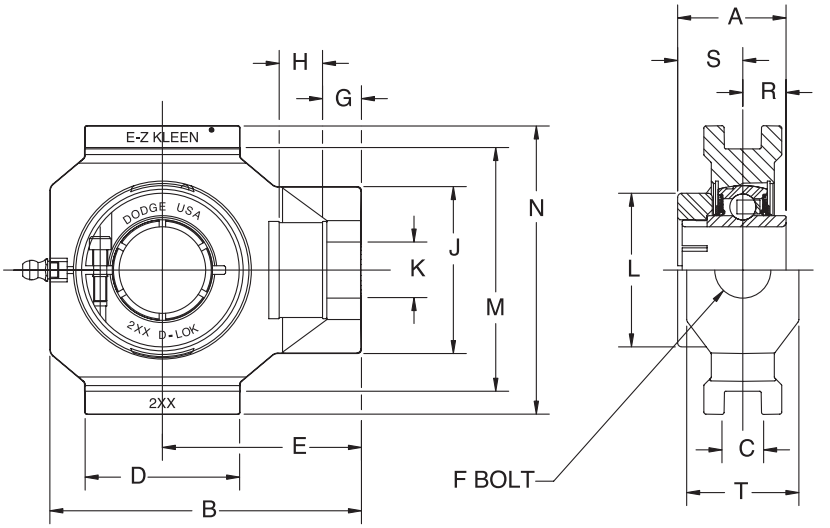
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS



Series	Shaft Size	With Corrosion Resistant Insert		Standard Insert With Flingers	
		Part No.	Description	Part No.	Description
204	3/4	**127617**	WSTU-DLEZ-012-PCR	@	WSTU-DLEZ-012-P
	20 mm	***127652***	*WSTU-DLEZ-20M-PCR*	@	*WSTU-DLEZ-20M-P*
205	7/8	@	WSTU-DLEZ-014-PCR*	@	WSTU-DLEZ-014-P
	15/16	@	WSTU-DLEZ-015-PCR*	@	WSTU-DLEZ-015-P
	1	**127618**	WSTU-DLEZ-100-PCR	@	WSTU-DLEZ-100-P
	25 mm	***127653***	*WSTU-DLEZ-25M-PCR*	@	*WSTU-DLEZ-25M-P*
206	1-1/8	@	WSTU-DLEZ-102-PCR*	@	WSTU-DLEZ-102-P
	1-3/16	**127619**	WSTU-DLEZ-103-PCR	@	WSTU-DLEZ-103-P
	1-1/4	**127620**	WSTU-DLEZ-104S-PCR	@	WSTU-DLEZ-104S-P
	30 mm	***127654***	*WSTU-DLEZ-30M-PCR*	@	*WSTU-DLEZ-30M-P*
207	1-1/4	**127621**	WSTU-DLEZ-104-PCR	@	WSTU-DLEZ-104-P
	1-3/8	@	WSTU-DLEZ-106-PCR*	@	WSTU-DLEZ-106-P
	1-7/16	**127622**	WSTU-DLEZ-107-PCR	@	WSTU-DLEZ-107-P
	35 mm	***127655***	*WSTU-DLEZ-35M-PCR*	@	*WSTU-DLEZ-35M-P*

@ Assembled to order
* 20 piece minimum order

FEATURES/BENEFITS PAGE B1-2	SELECTION PAGE B1-5	INTERCHANGE PAGE B1-88	ACCESSORIES PAGE B1-90

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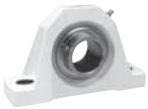

E-Z KLEEN Mounted Bearings

DLEZ NORMAL DUTY POLYMER HOUSED WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame No. Ref.	A	B	C**	D	E	F Thd Shaft	G
204	1/2 5/8 3/4 *20 mm*	0.86 0.76 0.66 *0.31*	WS300	1-5/32 *29.4*	3-13/16 *96.8*	17/32 *13.5*	2 *50.8*	2-1/2 *63.5*	5/8 *15.9*	1/2 *12.7*
205	7/8 15/16 1 *25 mm*	0.92 0.82 0.72 *0.34*	WS300	1-3/16 *30.2*	3-15/16 *100.0*	17/32 *13.5*	2 *50.8*	2-9/16 *65.1*	5/8 *15.9*	1/2 *12.7*
206	1-1/8 1-3/16 1-1/4 *30 mm*	1.11 1.09 1.07 *0.49*	WS308	1-25/64 *35.3*	4-1/2 *114.3*	17/32 *13.5*	2-1/4 *57.2*	2-7/8 *73.0*	3/4 *19.1*	1/2 *12.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35 mm*	1.58 1.52 1.47 1.42 *0.69*	WS308	1-17/32 *38.9*	4-15/16 *125.4*	17/32 *13.5*	2-1/4 *57.2*	3-1/8 *79.4*	3/4 *19.1*	1/2 *12.7*

Series	Shaft Size	H	J	K	L	M**	N	R	S	T
204	1/2 5/8 3/4 *20 mm*	5/8 *15.9*	2 -3/32 *53.2*	1-9/64 *29.0*	1-1/8 *28.6*	3 *76.2*	3 -5/8 *92.1*	27/64 *10.7*	47/64 *18.7*	1 3/8 *35.1*
205	7/8 15/16 1 *25 mm*	5/8 *15.9*	2-1/8 *54.0*	1-9/64 *29.0*	1-21/64 *33.7*	3 *76.2*	3 -5/8 *92.1*	27/64 *10.7*	49/64 *19.4*	1 3/8 *35.1*
206	1-1/8 1-3/16 1-1/4 *30 mm*	5/8 *15.9*	2-3/8 *60.3*	1-3/8 *34.9*	1-37/64 *40.1*	3-1/2 *88.9*	4 -1/4 *108.0*	31/64 *12.3*	29/32 *23.0*	1 5/8 *41.1*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35 mm*	5/8 *15.9*	2-27/64 *61.5*	1-3/8 *34.9*	1-27/32 *46.8*	3-1/2 *88.9*	4 -1/4 *108.0*	32/64 *12.7*	1 1/32 *26.2*	1 5/8 *41.1*

** + or - .020” + or - .50 mm

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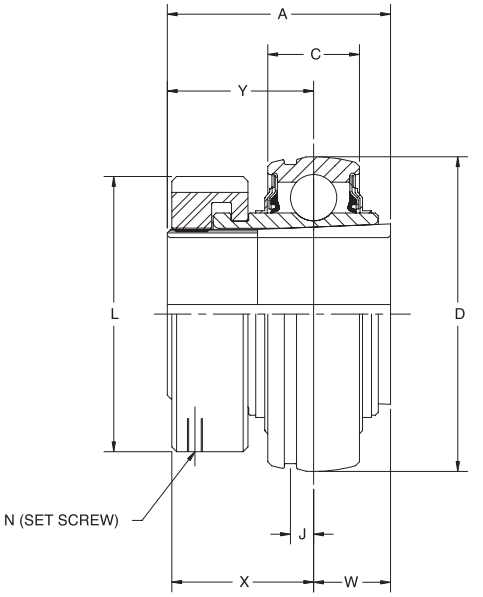
SELECTIONS/DIMENSIONS

DODGE®

E-Z KLEEN Mounted Bearings

GT NORMAL DUTY BEARING INSERTS FOR E-Z KLEEN BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129825**	INS-GT-012-CR	**129579**	INS-GT-04-CR	**129967**	AN-GT-04-012-CR
	20mm	***129826***	*INS-GT-20M-CR*			***129980***	*AN-GT-04-20M-CR*
205	1	**129827**	INS-GT-100-CR	**129580**	INS-GT-05-CR	**129968**	AN-GT-05-100-CR
	25mm	***129828***	*INS-GT-25M-CR*			***129981***	*AN-GT-05-25M-CR*
206	1-1/08	@	INS-GT-102-CR	**129581**	INS-GT-06-CR	**129969**	AN-GT-06-102-CR
	1-3/16	**129829**	INS-GT-103-CR			**129970**	AN-GT-06-103-CR
	1-1/4	**129830**	INS-GT-104S-CR			**129971**	AN-GT-06-104S-CR
	30mm	***129831***	*INS-GT-30M-CR*			***129982***	*AN-GT-06-30M-CR*
207	1-1/04	**129832**	INS-GT-104-CR	**129582**	INS-GT-07-CR	**129972**	AN-GT-07-104-CR
	1-3/08	@	INS-GT-106-CR			**129973**	AN-GT-07-106-CR
	1-7/16	**129833**	INS-GT-107-CR			**129974**	AN-GT-07-107-CR
	35mm	***129834***	*INS-GT-35M-CR*			***129983***	*AN-GT-07-35M-CR*
208	1-1/02	**129835**	INS-GT-108-CR	**129583**	INS-GT-08-CR	**129975**	AN-GT-08-108-CR
	40mm	***129836***	*INS-GT-40M-CR*			***129984***	*AN-GT-08-40M-CR*
209	1-11/16	**129837**	INS-GT-111-CR	**129584**	INS-GT-09-CR	**129976**	AN-GT-09-111-CR
	1-3/04	@	INS-GT-112-CR			**129977**	AN-GT-09-112-CR
	45mm	***129838***	*INS-GT-45M-CR*			***129985***	*AN-GT-09-45M-CR*
210	1-15/16	**129839**	INS-GT-115-CR	**129585**	INS-GT-10-CR	**129978**	AN-GT-10-115-CR
	2	@	INS-GT-200-CR			**129979**	AN-GT-10-200-CR
	50mm	***129840***	*INS-GT-50M-CR*			***129986***	*AN-GT-10-50M-CR*

@ Assembled to order.

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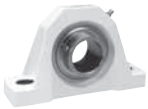

E-Z KLEEN Mounted Bearings

GT NORMAL DUTY BEARING INSERTS FOR E-Z KLEEN BEARINGS

Series	Shaft Size	Weight lbs kg	A	C	D	J	L	N Screw (UNF)	W#	X	Y#
204	3/4 20mm	0.6 0.3	1-15/32 37.3	0.5906 15.0	1.8504 47.0	0.152 3.9	1-1/2 38.1	#10-32 x 1/4	31/64 12.3	1-3/64 26.7	63/64 25.0
205	7/8 15/16 1 25mm	0.8 0.4	1-29/64 36.9	0.5906 15.0	2.0472 52.0	0.152 3.9	1-51/64 45.6	#10-32 x 1/4	1/2 12.8	1-1/64 25.9	61/64 24.2
206	1-1/8 1-3/16 1-1/4 30mm	1.2 0.6	1-39/64 40.9	0.7087 18.0	2.4409 62.0	0.190 4.8	2-5/64 52.8	#10-32 x 1/4	17/32 13.5	1-1/8 28.7	1-5/64 27.4
207	1-1/4 1-3/8 1-7/16 35mm	1.8 0.8	1-5/8 41.3	0.7480 19.0	2.8346 72.0	0.202 5.1	2-3/8 60.3	#10-32 x 1/4	9/16 14.3	1-9/64 29.1	1-1/16 27.0
208	1-1/2 40mm	2.2 1.0	1-27/32 46.8	0.8661 22.0	3.1496 80.0	0.224 5.7	2-5/8 66.7	#10-32 x 1/4	21/32 16.7	1-15/64 31.5	1-3/16 30.2
209	1-5/8 1-11/16 1-3/4 45mm	2.5 1.2	1-55/64 47.2	0.8661 22.0	3.3465 85.0	0.248 6.3	2-55/64 72.6	#10-32 x 1/4	21/32 16.7	1-9/32 32.6	1-3/16 30.2
210	1-15/16 21/32 2 50mm	3.0 1-5/32 1.4	1-55/64 1-13/64 47.2	0.8661 22.0	3.5433 90.0	0.248 6.3	3-1/8 79.4	#10-32 x 1/4	 16.7	1-9/32 32.6	 30.6

#W & Y dimensions will vary slightly depending on true shaft diameter.

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SELECTIONS/DIMENSIONS

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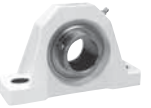
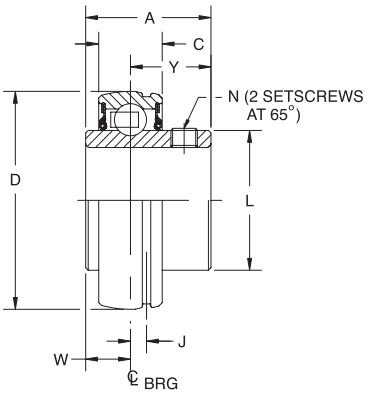


E-Z KLEEN Mounted Bearings

SC NORMAL DUTY BEARING CORROSION RESISTANT INSERTS FOR E-Z KLEEN BEARINGS



Series	Shaft Size	Insert with Flingers		Corrosion Resistant Insert	
		Part No.	Description	Part No.	Description
204	1/2	@	INS-SC-008L-FF	052981	INS-SC-008L-CR*
	5/8	124932	INS-SC-010L-FF	127073	INS-SC-010L-CR*
	3/4	123070	INS-SC-012-FF	045600	INS-SC-012-CR
	20mm	***050524***	*INS-SC-20M-FF*	***125873***	*INS-SC-20M-CR*
205	7/8	124931	INS-SC-014-FF	058665	INS-SC-014-CR*
	15/16	123069	INS-SC-015-FF	@	INS-SC-015-CR*
	1	123071	INS-SC-100-FF	045601	INS-SC-100-CR
	25mm	***052620***	*INS-SC-25M-FF*	***050580***	*INS-SC-25M-CR*
206	1-1/8	123234	INS-SC-102-FF	058989	INS-SC-102-CR*
	1-3/16	123072	INS-SC-103-FF	045602	INS-SC-103-CR
	1-1/4	123073	INS-SC-104S-FF	045603	INS-SC-104S-CR
	30mm	***052621***	*INS-SC-30M-FF*	***125874***	*INS-SC-30M-CR*
207	1-1/4	123074	INS-SC-104-FF	045412	INS-SC-104-CR
	1-5/16	057102	INS-SC-105-FF	058345	INS-SC-105-CR*
	1-3/8	123460	INS-SC-106-FF	058965	INS-SC-106-CR*
	1-7/16	123075	INS-SC-107-FF	045604	INS-SC-107-CR
	35mm	***052622***	*INS-SC-35M-FF*	***050653***	*INS-SC-35M-CR*
208	1-1/2	123076	INS-SC-108-FF	045605	INS-SC-108-CR
	1-5/8	123409	INS-SC-110-FF	@	INS-SC-110-CR*
	40mm	***052623***	*INS-SC-40M-FF*	***050654***	*INS-SC-40M-CR*
209	1-5/8	@	INS-SC-110L-FF	@	INS-SC-110L-CR*
	1-11/16	@	INS-SC-111-FF	125004	INS-SC-111-CR
	1-3/4	045677	INS-SC-112-FF	054145	INS-SC-112-CR*
	45mm	@	*INS-SC-45M-FF*	***125005***	*INS-SC-45M-CR*
210	1-11/16	@	INS-SCM-111-FF	@	INS-SCM-111-CR*
	1-15/16	123077	INS-SC-115-FF	045606	INS-SC-115-CR
	2	123413	INS-SC-200-FF	045338	INS-SC-200-CR*
	50mm	@	*INS-SC-50M-FF*	***050656***	*INS-SC-50M-CR*

@ Assembled to order

* 20 piece minimum

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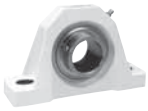

E-Z KLEEN Mounted Bearings

SC NORMAL DUTY BEARING CORROSION RESISTANT INSERTS FOR E-Z KLEEN BEARINGS

Series	Shaft Size	Weight lbs kg	A	C	D	J	L	N	W	Y
204	1/2 5/8 3/4 *20mm*	.38 .35 .32 *.16*	1-5/32 *29.4*	.5906 *15.0*	1.8504 *47.0*	.152 *3.9*	1-1/8 *28.6*	10-32 *M6 x 1*	27/64 *10.7*	47/64 *18.7*
205	7/8 15/16 1 *25mm*	.43 .40 .37 *.18*	1-3/16 *30.2*	.5906 *15.0*	2.0472 *52.0*	.152 *3.9*	1-21/64 *33.7*	1/4-28 *M6 x 1*	27/64 *10.7*	49/64 *19.4*
206	1-1/8 1-3/16 1-1/4 *30mm*	.63 .60 .58 *.27*	1-25/64 *35.3*	.7087 *18.0*	2.4409 *62.0*	.190 *4.8*	1-37/64 *40.1*	5/16-24 *M8 x 1.25*	31/64 *12.3*	29/32 *23.0*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.02 .97 .92 .86 *.44*	1-17/32 *38.9*	.7480 *19.0*	2.8346 *72.0*	.202 *5.1*	1-27/32 *46.8*	5/16-24 *M8 x 1.25*	1/2 *12.7*	1-1/32 *26.2*
208	1-1/2 1-5/8 *40mm*	1.27 1.13 *.51*	1-11/16 *42.9*	.8661 *22.0*	3.1496 *80.0*	.224 *5.7*	2-3/64 *52.0*	5/16-24 *M8 x 1.25*	19/32 *15.1*	1-3/32 *27.8*
209	1-5/8 1-11/16 1-3/4 *45mm*	1.49 1.43 1.36 *.62*	1-23/32 *43.7*	.8661 *22.0*	3.3465 *85.0*	.248 *6.3*	2-7/32 *56.4*	5/16-24 *M8 x 1.25*	19/32 *15.1*	1-1/8 *28.6*
210	1-11/16 1-15/16 2 *50mm*	1.82 1.48 1.39 *.67*	1-3/4 *44.5*	.8661 *22.0*	3.5433 *90.0*	.248 *6.3*	2-7/16 *61.9*	3/8-24 *M10 x 1.5*	19/32 *15.1*	1-5/32 *29.4*

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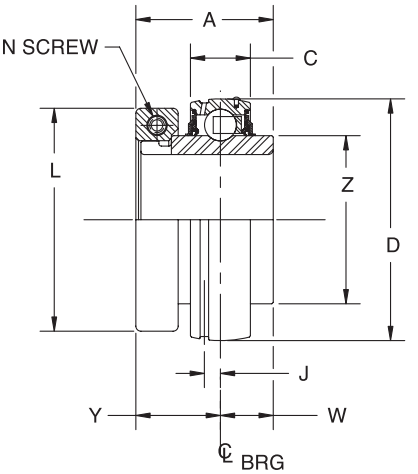
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings

DL NORMAL DUTY BEARING CORROSION RESISTANT INSERTS FOR E-Z KLEEN BEARINGS



Series	Shaft Size	Insert with Flingers		Corrosion Resistant Insert	
		Part No.	Description	Part No.	Description
204	3/4	**128646**	INS-DL-012	**126685**	INS-DL-012-CR
	20mm	***126629***	*INS-DL-20M*	***126693***	*INS-DL-20M-CR*
205	7/8	**128684**	INS-DL-014	**@**	INS-DL-014-CR*
	15/16	**128647**	INS-DL-015	**@**	INS-DL-015-CR*
	1	**128648**	INS-DL-100	**126686**	INS-DL-100-CR
	25mm	***126630***	*INS-DL-25M*	***126694***	*INS-DL-25M-CR*
206	1-1/8	**128649**	INS-DL-102	**059869**	INS-DL-102-CR*
	1-3/16	**128650**	INS-DL-103	**126687**	INS-DL-103-CR
	1-1/4	**128651**	INS-DL-104S	**126688**	INS-DL-104S-CR
	30mm	***126631***	*INS-DL-30M*	***126695***	*INS-DL-30M-CR*
207	1-1/4	**128652**	INS-DL-104	**126689**	INS-DL-104-CR
	1-3/8	**128653**	INS-DL-106	**@**	INS-DL-106-CR*
	1-7/16	**128654**	INS-DL-107	**052093**	INS-DL-107-CR
	35mm	***126632***	*INS-DL-35M*	***126696***	*INS-DL-35M-CR*
208	1-1/2	**128655**	INS-DL-108	**126690**	INS-DL-108-CR
	40mm	***126633***	*INS-DL-40M*	***126697***	*INS-DL-40M-CR*
209	1-5/8	**128656**	INS-DL-110L	**@**	INS-DL-110L-CR*
	1-11/16	**128657**	INS-DL-111	**126691**	INS-DL-111-CR
	1-3/4	**128658**	INS-DL-112	**@**	INS-DL-112-CR*
	45mm	***126634***	*INS-DL-45M*	***126698***	*INS-DL-45M-CR*
210	1-11/16	**128672**	INS-DLM-111	**@**	INS-DLM-111-CR
	1-15/16	**128659**	INS-DL-115	**126692**	INS-DL-115-CR
	2	**128660**	INS-DL-200	**053986**	INS-DL-200-CR*
	50mm	***126635***	*INS-DL-50M*	***126699***	*INS-DL-50M-CR*

@ Assembled to order

* 20 piece minimum

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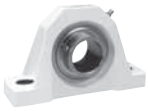

E-Z KLEEN Mounted Bearings

DL NORMAL DUTY BEARING CORROSION RESISTANT INSERTS FOR E-Z KLEEN BEARINGS

Series	Shaft Size	Weight lbs kg	A	C	D	J	L	N	W	Y	Z
204	3/4	0.6	1-9/32	0.5906	1.8504	0.152	1-45/64	No. 8	1/2	25/32	1-1/8
	20mm	*0.3*	*32.5*	*15.0*	*47.0*	*3.9*	*43.3*	*M4*	*12.7*	*19.8*	*28.6*
205	7/8	0.8	1-7/16	0.5906	2.0472	0.152	2	No. 10	9/16	7/8	1-21/64
	15/16	0.8									
	1	0.8									
	25mm	*0.4*	*36.5*	*15.0*	*52.0*	*3.9*	*50.8*	*M5*	*14.3*	*22.2*	*33.7*
206	1-1/8	1.2	1-9/16	0.7087	2.4409	0.190	2-7/32	No. 10	5/8	15/16	1-37/64
	1-3/16	1.2									
	1-1/4	1.1									
	30mm	*0.6*	*39.7*	*18.0*	*62.0*	*4.8*	*56.4*	*M5*	*15.9*	*23.8*	*40.1*
207	1-1/4	1.8	1-3/4	0.7480	2.8346	0.202	2-11/16	1/4	11/16	1-1/16	1-27/32
	1-3/8	1.8									
	1-7/16	1.7									
	35mm	*0.8*	*44.5*	*19.0*	*72.0*	*5.1*	*68.3*	*M6*	*17.5*	*27.0*	*46.8*
208	1-1/2	2.2	2	0.8661	3.1496	0.224	2-47/64	1/4	3/4	1-1/4	2-3/64
	40mm	*1.0*	*50.8*	*22.0*	*80.0*	*5.7*	*69.5*	*M6*	*19.1*	*31.8*	*52.0*
209	1-5/8	2.5	2	0.8661	3.3465	0.248	2-63/64	1/4	3/4	1-1/4	2-7/32
	1-11/16	2.5									
	1-3/4	2.5									
	45mm	*1.2*	*50.8*	*22.2*	*85.8*	*6.4*	*75.8*	*M6*	*19.1*	*31.8*	*56.9*
210	1-11/16	3.0	2-3/32	0.8661	3.5433	0.248	3-15/64	1/4	3/4	1-11/32	2-7/16
	1-15/16	3.0									
	2	3.0									
	50mm	*1.4*	*53.2*	*22.0*	*90.0*	*6.3*	*82.1*	*M6*	*19.1*	*34.1*	*61.9*

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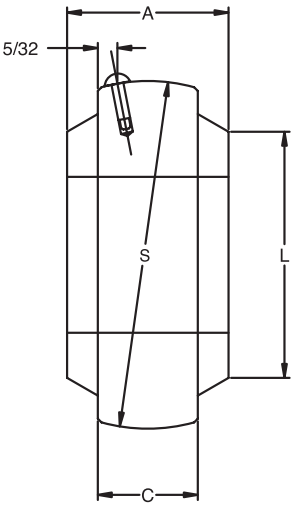
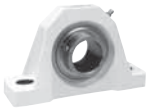
SELECTIONS/DIMENSIONS

E-Z KLEEN Mounted Bearings
PSEZ POLYMER SLEEVE BEARING INSERTS



Series	Shaft Size	Part No.	Description
204	3/4 *20mm*	**032867** ***032868***	INS-PS-012 *INS-PS-20M*
205	1 *25mm*	**032872** ***032871***	INS-PS-100 *INS-PS-25M*
206	1-3/16 1-1/4 *30mm*	**032875** **032876** ***032874***	INS-PS-103 INS-PS-104S *INS-PS-30M*
207	1-1/4 1-7/16 *35mm*	**032877** **032879** ***032878***	INS-PS-104 INS-PS-107 *INS-PS-35M*
208	1-1/2 *40mm*	**032881** ***032882***	INS-PS-108 *INS-PS-40M*
210	1-15/16 *50mm*	**032886** ***032887***	INS-PS-115 *INS-PS-50M*



E-Z KLEEN Mounted Bearings
PSEZ POLYMER SLEEVE BEARING INSERTS

Series	Shaft Size	Weight lbs *kg*	A	C	L	S
204	3/4 *20mm*	0.25 *0.14*	1 *25.4*	11/16 *17.5*	1-5/16 *33.3*	1.8465/1.8395 *46.9011/46.7233*
205	1 *25mm*	0.25 *0.15*	1-1/16 *27*	11/16 *17.5*	1-7/16 *36.5*	2.0435/2.0365 *51.9049/51.7271*
206	1-3/16 1-1/4 *30mm*	0.36 0.35 *0.16*	1-3/16 *30.2*	13/16 *20.6*	1-11/16 *42.9*	2.437/2.428 *61.8988/61.6712*
207	1-1/4 1-7/16 *35mm*	0.40 0.35 *0.18*	1-5/16 *33.3*	13/16 *20.6*	2 *50.8*	2.829/2.820 *71.8566/71.6280*
208	1-1/2 *40mm*	0.46 *0.21*	1-1/2 *38.1*	7/8 *22.2*	2 *50.8*	3.144/3.135 *79.8576/79.6790*
210	1-15/16 *50mm*	0.50 *0.23*	1-5/8 *41.3*	15/16 *23.8*	2-9/16 *65.1*	3.5375/3.5275 *89.8525/89.5985*

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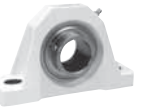
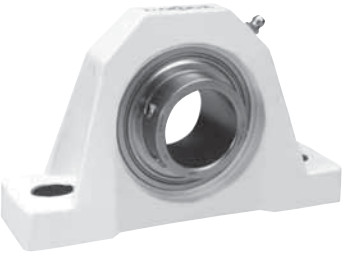
INTERCHANGE

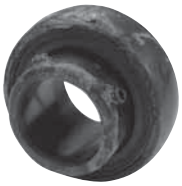
DODGE®



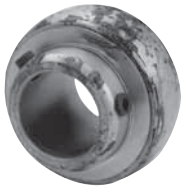
E-Z KLEEN Competitive Comparison



Manufacturer	Brand Name	Housing Material	Insert Material	Example 1" Pillow Block Description	Pillow Block
Dodge	E-Z KLEEN	Polymer/Composite	Nickel teflon CR Setscrew	**P2B-SCEZ-100-PCR**	P2B
	E-Z KLEEN	300 Series Stainless Steel	Nickel teflon CR Setscrew	**P2B-SCEZ-100-SHCR**	P2B
	E-Z KLEEN	Polymer/Composite	Nickel teflon CR D-Lok	**P2B-DLEZ-100-PCR**	P2B
	E-Z KLEEN	300 Series Stainless Steel	Nickel teflon CR D-Lok	**P2B-DLEZ-100-SHCR**	P2B
AMI	Corrosion Protection	Polymer/Composite	Zinc	**UCPPL205-16MZZ**	UCPPL
	Corrosion Protection	Polymer/Composite	400 Series Stainless	**MUCPPL205-16**	MUCPPL
	Corrosion Protection	300 Series Stainless Steel	400 Series Stainless	**MUCP-16**	MUCP
Browning	CRES CZ	Polymer/Composite	Zinc Plated	**CPS-Z216**	CPS
	CRES CS	Polymer/Composite	400 Series Stainless	**CPS-S216**	CPS-S
	CRES SS	300 Series Stainless Steel	400 Series Stainless	**SPS-S216**	SPS-S
Fafnir	Survivor	Polymer/Composite	TDC	**YAS1PT**	YAS
IPTCI	Corrosion Resistant	Polymer/Composite	Black Oxide	**BUCTP 205-16**	BUCTP
	Corrosion Resistant	Polymer/Composite	400 Series Stainless	**SUCTP 205-16**	SUCTP
	Corrosion Resistant	300 Series Stainless Steel	400 Series Stainless	**SUCSP 205-16**	SUCSP
Linkbelt	Klean-Gard	Polymer/Composite	Black Oxide	**KP-S216**	KP-S
	Klean-Gard	Polymer/Composite	400 Series Stainless	**KPS-S216**	KPS-S
MRC	Z-MaRC	Polymer/Composite	Zinc	**CPB100ZM**	CPB
	Marathon	Polymer/Composite	400 Series Stainless	**CPB100SS**	CPB
Sealmaster	PN Gold	Polymer/Composite	Phosphate Nickel	**CRPC-PN16**	CRPC
	CR Gold	300 Series Stainless Steel	Black Oxide	**NP-16C CR**	NP
	Bev Gold	300 Series Stainless Steel	TDC	**CRPS-16**	CRPS



Block Oxide Coated Insert After Accelerated Corrosion Resistant Test



Thin Dense Chrome (TDC) Insert After Accelerated Corrosion Resistant Test

DODGE CR Insert After Accelerated Corrosion Resistant Test

Zinc Plated Insert After Accelerated Corrosion Resistant Test

400 Series Stainless Insert After Accelerated Corrosion Resistant Test

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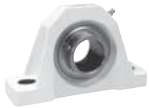
DODGE®



E-Z KLEEN Competitive Comparison

Manufacturer	Brand Name	Two Bolt Flange	Four Bolt Flange	Tapped Based	Flange Bracket	Wide Slot Take up
Dodge	E-Z KLEEN	F2B	F4B	TB	FC	WSTU
	E-Z KLEEN	F2B	F4B	n/a	n/a	n/a
	E-Z KLEEN	F2B	F4B	TB	FC	WSTU
	E-Z KLEEN	F2B	F4B	n/a	n/a	n/a
AMI	Corrosion Protection	UCNFL	UCFPL	UCTBL	UCFBL	UCTPL
	Corrosion Protection	MUCNFL	MUCFPL	MUCTBL	MUCFBL	MUCTPL
	Corrosion Protection	MUCFL	MUCF	n/a	n/a	n/a
Browning	CRES CZ	CF2S	CF4S	CTBS	n/a	n/a
	CRES CS	CF2S-S	CF4S-S	n/a	n/a	n/a
	CRES SS	SF2S-S	SF4S-S	n/a	n/a	n/a
Fafnir	Survivor	YCJT	YCJ	n/a	n/a	n/a
IPTCI	Corrosion Resistant	BUCTFL	BUCTF	BUCTPA	BUCTFB	BUCTTRS
	Corrosion Resistant	SUCTFL	SUCTF	SUCTPA	SUCTFB	SUCTTRS
	Corrosion Resistant	SUCSFL	SUCSF	SUCSPA	SUCSFB	n/a
Linkbelt	Klean-Gard	KFX-S	KF-S	n/a	n/a	n/a
	Klean-Gard	KFXS-S	KFS-S	n/a	n/a	n/a
MRC	Z-MaRC	C2F	C4F	CTB	CBF	CTW
	Marathon	C2F	C4F	CTB	CBF	CTW
Sealmaster	PN Gold	CRFTC	CRFC	n/a	n/a	n/a
	CR Gold	SFT	SF	n/a	FB	n/a
	Bev Gold	CRFTS	CRFS	n/a	CRFBS	n/a

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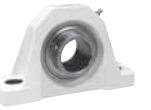
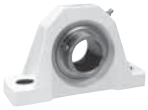
ACCESSORIES



E-Z KLEEN Polymer and Stainless Steel Housed Mounted Bearings
END CLOSURES

Series	For Shaft Size	Closed End Closure		Open End Closure	
		Part Number	Description	Part Number	Description
204	3/4	**128960**	ECC-EZ-204	**128974**	ECO-EZ-012
	20mm			**128991**	ECO-EZ-20M
205	1	**128961**	ECC-EZ-205	**128975**	ECO-EZ-100
	25mm			**128992**	ECO-EZ-25M
206	1-3/16	**128962**	ECC-EZ-206	**128976**	ECO-EZ-103
	1-1/4			**128989**	ECO-EZ-104S
	30mm			**128993**	ECO-EZ-30M
207	1-1/4	**128963**	ECC-EZ-207	**128977**	ECO-EZ-104
	1-7/16			**128990**	ECO-EZ-107
	35mm			**128994**	ECO-EZ-35M
208	1-1/2	**128964**	ECC-EZ-208	**128978**	ECO-EZ-108
	40mm			**128996**	ECO-EZ-40M
209	1-11/16	**128965**	ECC-EZ-209	@	ECO-EZ-111
	45mm			@	ECO-EZ-45M
210	1-15/16	**128966**	ECC-EZ-210	**128980**	ECO-EZ-115
	2				
	50mm			**128997**	ECO-EZ-50M

@ Made to order



E-Z KLEEN Polymer and Stainless Steel Housed Mounted Bearings
END CLOSURES

Series	For Shaft Size	Weight lbs (kg)	A	B	L		W
					ECC-	ECO-	
204	3/4	0.18	1-57/64	1-3/8	1-1/8	1-3/16	17/32
	20mm	0.005	48.01	35.05	28.58	30.16	13.49
205	1	0.22	2-11/64	1-39/64	1-3/16	1-1/4	17/32
	25mm	0.006	55.12	40.89	30.16	31.75	13.49
206	1-3/16	0.33	2-1/2	1-31/32	1-11/32	1-25/64	9/16
	1-1/4						
	30mm	0.009	63.50	50.04	33.73	35.32	14.29
207	1-1/4	0.44	2-29/32	2-5/16	1-15/32	1-17/32	11/16
	1-7/16						
	35mm	0.012	73.91	58.93	37.31	38.89	17.46
208	1-1/2	0.62	3-5/16	2-49/64	1-17/32	1-19/32	11/16
	40mm	0.017	84.07	70.10	38.89	40.48	17.46
209	1-11/16	0.76	3-1/2	2-7/8	1-5/8	1-21/32	23/32
	45mm	0.021	88.90	72.90	40.48	42.07	18.26
210	1-15/16	0.80	3-5/8	3	1-21/32	1-23/32	29/32
	2						
	50mm	0.022	92.08	76.20	42.07	43.66	23.02

Series	For Shaft Size	ECC- add on dimension			ECO- add on dimension		
		P2B & TB	2B, 4B, & FB	Take-Up	P2B & TB	2B, 4B, & FB	Take-Up
204	3/4	45/64	1-1/16	49/64	49/64	1-1/8	53/64
	20mm	17.86	26.99	19.45	19.45	28.58	21.03
205	1	47/64	1-3/32	51/64	51/64	1-5/32	55/64
	25mm	18.65	27.78	20.24	20.24	29.37	21.83
206	1-3/16	25/32	1-1/4	7/8	27/32	1-5/16	15/16
	1-1/4						
	30mm	19.84	31.75	22.23	21.43	33.34	23.81
207	1-1/4	29/32	1-3/8	1-1/32	31/32	1-7/16	1-3/32
	1-7/16						
	35mm	23.02	34.93	26.19	24.61	36.51	27.78
208	1-1/2	59/64	1-29/64	- - - -	63/64	1-33/64	- - - -
	40mm	23.42	36.91	- - - -	25.00	38.50	- - - -
209	1-11/16	15/16	1-1/2	- - - -	1	1-9/16	- - - -
	45mm	23.81	38.10	- - - -	25.40	39.69	- - - -
210	1-15/16	29/32	1-37/64	- - - -	31/32	1-41/64	- - - -
	2						
	50mm	23.02	40.08	- - - -	24.61	41.67	- - - -

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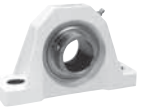
ACCESSORIES

DODGE®



Polymer Housed Units
SOLID STEEL SHAFT COLLARS

Shaft Size	Part Number*		Dimensions			
	Steel	Stainless	OD	Width	Screw	Weight
1/8	-	**456225**	0.36	0.25	#6	0.01
3/16	**040001**	**456226**	0.44	0.25	#8	0.01
1/4	**040002**	**456227**	0.50	0.28	#10	0.01
5/16	**040003**	**456228**	0.63	0.34	1/4	0.01
3/8	**040004**	**456229**	0.75	0.38	1/4	0.01
7/16	**040005**	-	0.88	0.44	1/4	0.05
1/2	**040006**	**456230**	1.00	0.44	1/4	0.1
9/16	**040007**	-	1.00	0.44	184	0.1
5/8	**040008**	**456231**	1.13	0.50	5/16	0.1
11/16	**040009**	-	1.25	0.56	5/16	0.1
3/4	**040010**	**456232**	1.25	0.56	5/16	0.1
13/16	**040011**	-	1.31	0.56	5/16	0.1
7/8	**040012**	**456234**	1.50	0.56	5/16	0.2
15/16	**040013**	-	1.63	0.56	5/16	0.2
1	**040014**	**456234**	1.63	0.63	5/16	0.2
1-1/16	**040015**	-	1.75	0.63	5/16	0.2
1-1/8	**040016**	**456235**	1.75	0.63	5/16	0.2
1-3/16	**040017**	-	2.00	0.69	3/8	0.4
1-1/4	**040018**	**456236**	2.00	0.69	3/8	0.4
1-5/16	**040019**	-	2.13	0.69	3/8	0.4
1-3/8	**040020**	-	2.13	0.75	3/8	0.4
1-7/16	**040021**	**456237**	2.25	0.75	3/8	0.5
1-1/2	**040022**	-	2.25	0.75	3/8	0.5
1-9/16	**040023**	-	2.50	0.81	3/8	0.7
1-5/8	**040024**	-	2.50	0.81	3/8	0.6
1-11/16	**040025**	-	2.50	0.81	3/8	0.6
1-3/4	**040026**	**456238**	2.75	0.88	1/2	0.8
1-7/8	**040027**	-	2.75	0.88	1/2	0.8
1-15/16	**040028**	-	3.00	0.88	1/2	1.0
2	**040029**	**456239**	3.00	0.88	1/2	1.0
2-3/16	**040030**	-	3.25	0.94	1/2	1.2
2-1/4	**040031**	-	3.25	0.94	1/2	1.2
2-7/16	**040032**	-	3.50	1.00	1/2	1.4
2-1/2	**040033**	-	3.50	1.00	1/2	1.3
2-15/16	**040034**	-	4.25	1.13	1/2	2.2

* Material Steel is mild carbon steel
Stainless is 300-series stainless
All sizes are fitted with one setscrew

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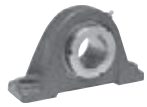
FEATURES/BENEFITS



GRIP TIGHT® Adapter Ball Bearings

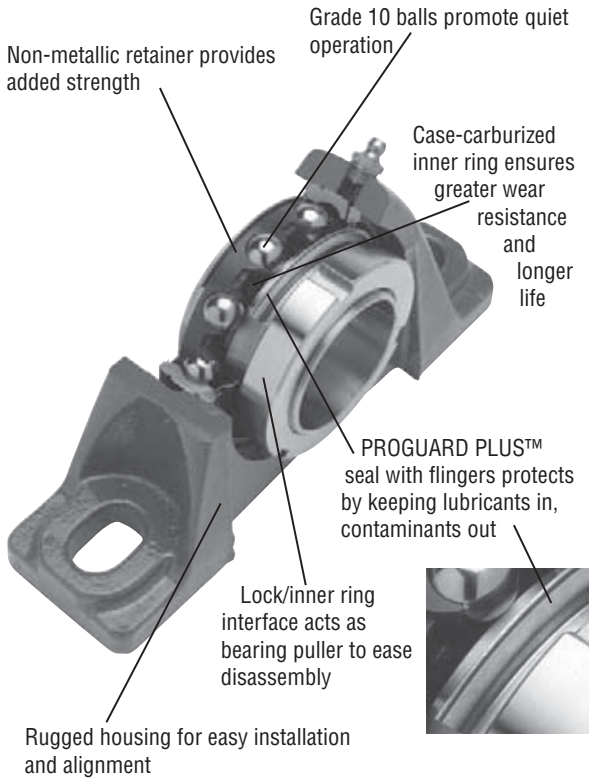
DODGE proudly introduces a new, totally different ball bearing with a name that says it all: GRIP TIGHT.

With its patent pending pull/push adapter system, fully concentric 360˚ inner ring, and completely interchangeable housing design, the new DODGE GRIP TIGHT Adapter ball bearing is the easy-on/ easyoff solution for damage free shafting, reduced vibration, and greater cost/inventory savings.

The new GRIP TIGHT Adapter ball bearing is shaft-ready right out of the box and offered in a variety of housing styles for normal and medium duty operations. It accommodates commercial grade and some undersize shafting to lower costs, and all GRIP TIGHT Adapter assemblies fit into a standard DODGE ball bearing housing.

Plus this new DODGE bearing has been specifically engineered to run at higher speeds and operate cooler for longer grease life.

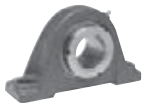
In test comparisons, the new GRIP TIGHT Adapter ball bearing even proved it could suppress fretting corrosion and scarring to shafts and journals, thus saving not only time but added labor/maintenance costs.



Easy-On / Easy-Off

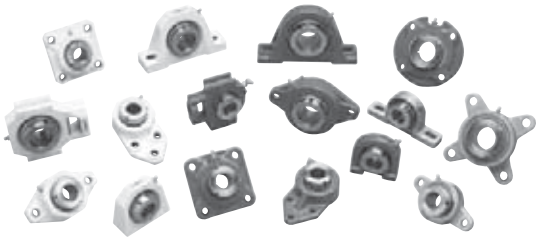
During mounting, the patent pending collar/inner ring system locks the tapered adapter sleeve under the bearing and onto the shaft. To dismount, the built in bearing puller pulls the bearing off the adapter and pushes the adapter in the opposite direction (out from under the bearing).

FEATURES/BENEFITS

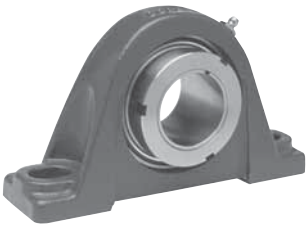


GRIP TIGHT® Adapter Ball Bearings

Housing Styles
Off the shelf and shaft ready, the DODGE GRIP TIGHT Adapter ball bearing is offered for normal and medium duty in a variety of housing styles, including pillow block; tapped base; two-, three-, and four-bolt flange; piloted flange; take-up, and E-Z KLEEN design.

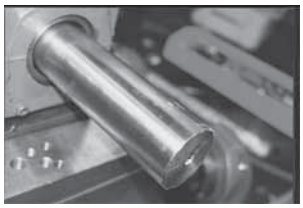


Less Product Inventory for Significant Savings
With DODGE GRIP TIGHT Adapter ball bearings, you can reduce your inventory as much as 25% - 45%. Rather than inventory a complete line of individual bore sizes for each housing style, you can now purchase a housing assembly and adapters separately, with the adapter determining the bore size within a housing series.



Damage Free Shafting
The new DODGE GRIP TIGHT Adapter bearing features a unique adapter-mount design that is specifically developed to withstand axial forces that are generated during mounting or dismounting. The adapter provides superior holding power, as well as suppresses fretting corrosion and vibration.

In test comparisons, a setscrew mounted bearing promotes shaft fretting corrosion and scarring. But the new DODGE GRIP TIGHT Adapter bearing comes off the shaft quickly and reveals no shaft fretting corrosion or scarring. There is no need to recondition your shaft so you save time and avoid added labor/ maintenance.



Full Contact on Shaft for Better Grip, Less Vibration
Setscrew locking can distort the inner ring and cause system induced vibration. But with the new DODGE GRIP TIGHT Adapter, the adapter attaches itself to the shaft for full concentric contact 360˚ through the length of the bearing.

HOW TO ORDER NOMENCLATURE

GRIP TIGHT
Thin Wall Adapter Ball Bearings

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of the part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name.

This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown below and add any special instructions to the end of the description for options not covered by the nomenclature.

Nomenclature

P2B **GT** **104S** **NL**

NL — Modification or feature
- CR = Corrosion Resistant Insert
- HT = High Temperature option (400° F maximum)
- LL = Low torque labyrinth seal
- MOD = Modified
- NL = No Lube Fitting (sealed for life)
- P = Polymer Housing
- SH = Stainless Steel Housing

104S — Shaft Size

Inches:
- First digit = Number of inches
- Second & third digits = Numbers of sixteenths of an inch
  - 104 = Indicates 1-4/16 or 1-1/4
- S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S

Metric
- First two digits = number of millimeters
- M = Metric

GT — Bearing Type
- GT = Wide inner ring, normal duty, thin wall adapter locking
- GTM = Wide inner ring, medium duty, thin wall adapter locking

Suffixes to the above:
- AH = Air Handling
- B = Low backing height pillow block
- EZ = E-KLEEN (used with polymer and stainless steel housed units)
- U = Higher back pillow block (for interchangeability with competitor pillow blocks)

P2B — Housing
- F2B = 2 bolt flange
- F4B = 4 bolt flange
- FB = Flange bracket
- FC = Flanged cartridge (piloted flange)
- INS = Insert
- NSTU = Narrow slot take-up
- P2B = 2 bolt base pillow block
- TB = Tapped base pillow block
- WSTU = Wide slot take-up

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GRIP TIGHT Adapter Ball Bearings

DODGE mounted ball bearings are primarily designed for radial loading. However, they have the capacity to carry thrust loads and combined radial/thrust loads. The maximum recommended load which can be applied is limited by various components in the system, such as bearing, housing, shaft attachments, speed and life requirements. DODGE mounted ball bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Engineering for applications which exceed these recommendations.

Select a bearing from the Selection Chart that has a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial load for a desired L10 life. This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L_{10} Hours Life-is the life which may be expected for at least 90% of a given group of bearings operating under identical conditions. For an L_{10} hours life other than those listed in the Selection Chart, multiply the equivalent Radial load by one of the following factors. For 50,000 L_{10} hours life, use a factor of 1.18 and for 80,000, use 1.39. Then select a bearing from the bold face (30,000) L_{10} ratings only in the Selection Chart that has a rating equal to or greater than this value.

Heavy Service-For heavy shock loads, frequent shock loads or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult Application Engineering for additional selection assistance.

A thrust load value of C/10 is recommended as a guide for general applications and will give adequate L10 life. Where substantial radial load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices, such as sheer bars, are advisable for side or end-loading of pillow blocks and radial loads for flange units.

To determine the L_{10} hours life for loads and RPM's not listed use the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^{(3)} \times \frac{16667}{RPM}$$

Where:

L_{10} = Life, hours

C = Dynamic Capacity, lbs. or N

P = Equivalent Radial Load, lbs. or N

When the load on a ball bearing is solely a radial load with no thrust (axial) load, the Equivalent Radial Load (P) is equal to the actual radial load. However, when a thrust (axial) load is applied, the radial and thrust loads applied must be converted into an Equivalent Radial Load. The use of the X (radial factor) and Y (thrust factor) from Table 1 convert the actual applied thrust and radial loads to an Equivalent Radial Load which has the same effect on the life of a bearing as a radial load of this magnitude.

$$P = (X \times F_R) + (Y \times F_A)$$

Where:

P = Equivalent Radial Load, lbs.

F_R = Radial load, lbs.

F_A = Thrust load, lbs.

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y = Thrust Factor (Table 1)

C_0 = Basic static capacity

To find X and Y, first calculate F_A/C_0 to determine e. Calculate F_A/F_R and compare to e to determine the X and Y factors to use from Table 1 .

Substitute all known values into the Equivalent Radial Load equation. The Equivalent Radial loads (P) thus determined can be used in the L_{10} life formula or compared to the allowable Equivalent Radial Load rating desired in the expanded rating chart to select a bearing (Table 2).

If calculated value of P is less than F_R, use $P=F_R$.

Table 1:

F_A/C_0	e	Radial/Thrust Factors			
		If F_A/F_R is equal to or less than e		If F_A/F_R is greater than e	
		$F_A/F_R \le e$		$F_A/F_R > e$	
		X	Y	X	Y
.014	.19	1	0	0.56	2.30
.021	.21	1	0	0.56	2.15
.028	.22	1	0	0.56	1.99
.042	.24	1	0	0.56	1.85
.056	.26	1	0	0.56	1.71
.070	.27	1	0	0.56	1.63
.084	.28	1	0	0.56	1.55
.110	.30	1	0	0.56	1.45
.170	.34	1	0	0.56	1.31
.280	.38	1	0	0.56	1.15
.420	.42	1	0	0.56	1.04
.560	.44	1	0	0.56	1.00

Lubrication-DODGE Ball Bearings are lubricated at the factory and are ready to run. The bearings are initially lubricated with a lithium complex based grease and should be relubricated with the same or some equivalent. For high speeds, high loads, extreme temperatures and other abnormal operating conditions, special greases may be required. Contact DODGE Application Engineering for recommendations on these types of applications.

Misalignment-DODGE Ball Bearings are designed to allow a maximum of $\pm 2^{\circ}$ static misalignment. These bearings are not suitable for dynamic misalignment. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Shaft Tolerances		
Normal Shaft Size Inches	Commercial Shaft Tolerances Inches	Recommended Shaft Tolerances GRIP TIGHT Ball Bearings Inches
Up to 1-1/2	+0.000 -0.002	+0.000 -0.002
Over 1-1/2" to 2-1/2	+0.000 -0.003	+0.000 -0.003
Over 2-1/2	+0.000 -0.004	+0.000 -0.004

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SELECTION

DODGE®

GRIP TIGHT Adapter Ball Bearings

Table 2: Easy Selection Table

Ring Size	Shaft Size GT	Shaft Size GTM	DYNAMIC CAPACITY C (LBS)	STATIC CAPACITY Co (LBS)	Max RPM Proguard Plus (Contact) Seal	Max RPM Labyrinth (LL) Seal	L10 LIFE Hours	ALLOWABLE EQUIVALENT RADIAL LOAD RATINGS (LBS.) AT VARIOUS RPM 50	150	250	500	750	1,000	1,500	1,750	2,200	2,600	3,000	3,200	3,600
203	1/2 5/8 17mm	-	2,158	1,000	12,000	14,500	20,000	551	382	322	256	224	203	177	169	156	148	141	138	133
							30,000	**482**	**334**	**282**	**224**	**195**	**177**	**155**	**147**	**136**	**129**	**123**	**120**	**116**
							40,000	438	303	256	203	177	161	141	134	124	117	112	109	105
							60,000	382	265	224	177	155	141	123	117	108	102	98	96	92
							100,000	322	224	189	150	131	119	104	99	91	86	82	81	77
204	3/4 20mm	-	2,899	1,390	10,000	13,000	20,000	741	513	433	344	300	273	238	226	210	198	189	185	178
							30,000	**647**	**449**	**378**	**300**	**262**	**238**	**208**	**198**	**183**	**173**	**165**	**162**	**155**
							40,000	588	408	344	273	238	217	189	180	166	157	150	147	141
							60,000	513	356	300	238	208	189	165	157	145	138	131	128	123
							100,000	433	300	253	201	176	160	139	132	123	116	111	108	104
205	7/8 15/16 1 25mm	3/4	3,146	1,565	9,000	12,000	20,000	804	557	470	373	326	296	259	246	228	215	205	201	193
							30,000	**702**	**487**	**411**	**326**	**285**	**259**	**226**	**215**	**199**	**188**	**179**	**176**	**169**
							40,000	638	442	373	296	259	235	205	195	181	171	163	159	153
							60,000	557	386	326	259	226	205	179	170	158	149	142	139	134
							100,000	470	326	275	218	191	173	151	144	133	126	120	117	113
206	1-1/8 1-3/16 1-1/4 30mm	1 25mm	4,368	2,250	7,500	11,000	20,000	1,116	774	652	518	452	411	359	341	316	299	285	279	268
							30,000	**975**	**676**	**570**	**452**	**395**	**359**	**314**	**298**	**276**	**261**	**249**	**244**	**234**
							40,000	886	614	518	411	359	326	285	271	251	237	226	221	213
							60,000	774	536	452	359	314	285	249	237	219	207	198	193	186
							100,000	652	452	382	303	265	240	210	199	185	175	167	163	157
207	1-1/4 1-3/8 1-7/16 35mm	1-3/16 1-1/4 30mm	5,759	3,065	6,300	9,500	20,000	1,471	1,020	860	683	596	542	473	450	417	394	376	368	354
							30,000	**1,285**	**891**	**752**	**596**	**521**	**473**	**414**	**393**	**364**	**344**	**328**	**321**	**309**
							40,000	1,168	810	683	542	473	430	376	357	331	313	298	292	281
							60,000	1,020	707	596	473	414	376	328	312	289	273	261	255	245
							100,000	860	596	503	399	349	317	277	263	244	230	220	215	207
208	1-1/2 40mm	1-7/16 1-1/2** 35mm	7,332	4,005	5,600	8,500	20,000	1,873	1,299	1,095	869	759	690	603	573	531	502	478	468	450
							30,000	**1,636**	**1,134**	**957**	**759**	**663**	**603**	**527**	**500**	**463**	**438**	**418**	**409**	**393**
							40,000	1,487	1,031	869	690	603	548	478	454	421	398	380	372	357
							60,000	1,299	900	759	603	527	478	418	397	368	348	332	325	312
							100,000	1,095	759	641	508	444	403	352	335	310	293	280	274	263
209	1-5/8 1-14/16 1-3/4 45mm	1-1/2 40mm	7,891	4,450	5,300	8,000	20,000	2,016	1,398	1,179	936	817	743	649	616	571	540	515	504	485
							30,000	**1,761**	**1,221**	**1,030**	**817**	**714**	**649**	**567**	**538**	**499**	**472**	**450**	**440**	**423**
							40,000	1,600	1,109	936	743	649	589	515	489	453	429	409	400	385
							60,000	1,398	969	817	649	567	515	450	427	396	374	357	349	336
							100,000	1,179	817	689	547	478	434	379	360	334	316	301	295	283
210	1-15/16 2 50mm	1-11/16 1-3/4 45mm	7,891	4,450	4,800	7,500	20,000	2,016	1,398	1,179	936	817	743	649	616	571	540	515	504	485
							30,000	**1,761**	**1,221**	**1,030**	**817**	**714**	**649**	**567**	**538**	**499**	**472**	**450**	**440**	**423**
							40,000	1,600	1,109	936	743	649	589	515	489	453	429	409	400	385
							60,000	1,398	969	817	649	567	515	450	427	396	374	357	349	336
							100,000	1,179	817	689	547	478	434	379	360	334	316	301	295	283
211	2 2-3/16 55mm	1-15/16 2 50mm	9,755	5,630	4,300	6,700	20,000	2,492	1,728	1,457	1,157	1,010	918	802	762	706	668	636	623	599
							30,000	**2,177**	**1,509**	**1,273**	**1,010**	**883**	**802**	**701**	**665**	**617**	**583**	**556**	**544**	**523**
							40,000	1,978	1,371	1,157	918	802	729	636	605	560	530	505	494	475
							60,000	1,728	1,198	1,010	802	701	636	556	528	489	463	441	432	415
							100,000	1,457	1,010	852	676	591	537	469	445	413	390	372	364	350
212	2-1/4 2-7/16 60mm	2-3/16 2-1/4 55mm	11,791	6,955	4,000	6,000	20,000	3,012	2,088	1,761	1,398	1,221	1,110	969	921	853	807	769	753	724
							30,000	**2,631**	**1,824**	**1,539**	**1,221**	**1,067**	**969**	**847**	**804**	**745**	**705**	**672**	**658**	**632**
							40,000	2,391	1,657	1,398	1,110	969	881	769	731	677	640	611	598	575
							60,000	2,088	1,448	1,221	969	847	769	672	638	592	559	533	522	502
							100,000	1,761	1,221	1,030	818	714	649	567	538	499	472	450	440	423
214	2-11/16 70mm	2-7/16 2-1/2 65mm	13,995	8,410	3,600	5,000	20,000	3,575	2,479	2,091	1,659	1,450	1,317	1,150	1,093	1,013	958	913	894	859
							30,000	**3,123**	**2,165**	**1,826**	**1,450**	**1,266**	**1,150**	**1,005**	**955**	**885**	**837**	**798**	**781**	**751**
							40,000	2,837	1,967	1,659	1,317	1,150	1,045	913	867	804	760	725	709	682
							60,000	2,479	1,719	1,450	1,150	1,005	913	798	758	702	664	633	620	596
							100,000	2,091	1,450	1,223	970	848	770	673	639	592	560	534	523	503
215	2-15/16 75mm	2-11/16 70mm	14,872	9,255	3,200	4,800	20,000	3,799	2,634	2,222	1,763	1,540	1,400	1,223	1,161	1,076	1,018	970	950	913
							30,000	**3,319**	**2,301**	**1,941**	**1,540**	**1,346**	**1,223**	**1,068**	**1,015**	**940**	**889**	**848**	**830**	**798**
							40,000	3,015	2,091	1,763	1,400	1,223	1,111	970	922	854	808	770	754	725
							60,000	2,634	1,826	1,540	1,223	1,068	970	848	805	746	706	673	658	633
							100,000	2,222	1,540	1,299	1,031	901	818	715	679	629	595	567	555	534
216	-	2-15/16 3 75mm	17,407	11,015	3,000	4,500	20,000	4,446	3,083	2,600	2,064	1,803	1,638	1,431	1,359	1,259	1,191	1,136	1,112	1,069
							30,000	**3,884**	**2,693**	**2,272**	**1,803**	**1,575**	**1,431**	**1,250**	**1,187**	**1,100**	**1,041**	**992**	**971**	**934**
							40,000	3,529	2,447	2,064	1,638	1,431	1,300	1,136	1,079	1,000	946	901	882	848
							60,000	3,083	2,138	1,803	1,431	1,250	1,136	992	942	873	826	788	771	741
							100,000	2,600	1,803	1,521	1,207	1,054	958	837	795	737	697	664	650	625
218	-	3-7/16 3-1/2 85mm	21,451	13,940	2,600	3,800	20,000	5,479	3,799	3,204	2,543	2,222	2,019	1,763	1,675	1,552	1,468	1,400	1,370	1,317
							30,000	**4,787**	**3,319**	**2,799**	**2,222**	**1,941**	**1,763**	**1,541**	**1,463**	**1,356**	**1,282**	**1,223**	**1,197**	**1,151**
							40,000	4,349	3,015	2,543	2,019	1,763	1,602	1,400	1,330	1,232	1,165	1,111	1,087	1,045
							60,000	3,799	2,634	2,222	1,763	1,541	1,400	1,223	1,161	1,076	1,018	970	950	913
							100,000	3,204	2,222	1,874	1,487	1,299	1,181	1,031	980	908	859	819	801	770

** Piloted flange Only

Labyrinth seal required when operating in the shaded area

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DODGE®

GRIP TIGHT Adapter Ball Bearings

Table 2: Easy Selection Table

Ring Size	Shaft Size GT	Shaft Size GTM	L10 LIFE Hours	ALLOWABLE EQUIVALENT RADIAL LOAD RATINGS (LBS.) AT VARIOUS RPM																				
				3,800	4,000	4,300	4,500	4,800	5,000	5,300	5,600	6,000	6,300	6,700	7,500	8,000	8,500	9,000	9,500	10,000	11,000	12,000	13,000	14,500
203	1/2 5/8 17mm	-	20,000	130	128	125	123	120	119	116	114	112	110	108	104	102	100	98	96	94	91	89	86	83
			30,000	114	112	109	107	105	104	102	100	98	96	94	91	89	87	85	84	82	80	77	75	73
			40,000	103	102	99	98	96	94	92	91	89	87	85	82	81	79	77	76	75	72	70	69	66
			60,000	90	89	87	85	83	82	81	79	77	76	75	72	70	69	68	66	65	63	62	60	58
			100,000	76	75	73	72	70	69	68	67	65	64	63	61	59	58	57	56	55	53	52	51	49
204	3/4 20mm	-	20,000	175	172	168	165	162	160	156	154	150	148	145	139	136	134	131	129	127	123	119	116	
			30,000	153	150	147	144	141	139	137	134	131	129	126	122	119	117	115	113	111	107	104	101	
			40,000	139	136	133	131	128	127	124	122	119	117	115	111	108	106	104	102	101	97	95	92	
			60,000	121	119	116	115	112	111	108	107	104	102	100	97	95	93	91	89	88	85	83	80	
			100,000	102	101	98	97	95	93	92	90	88	86	85	82	80	78	77	75	74	72	70	68	
205	7/8 15/16 1 25mm	3/4	20,000	190	187	182	179	176	173	170	167	163	160	157	151	148	145	142	140	137	133	129		
			30,000	166	163	159	157	153	151	148	146	142	140	137	132	129	127	124	122	120	116	113		
			40,000	151	148	145	142	139	137	135	132	129	127	125	120	117	115	113	111	109	106	103		
			60,000	132	129	126	124	122	120	118	116	113	111	109	105	103	101	99	97	95	92	90		
			100,000	111	109	106	105	103	101	99	97	95	94	92	88	87	85	83	82	80	78	76		
206	1-1/8 1-3/16 1-1/4 30mm	1 25mm	20,000	263	259	253	249	244	240	236	231	226	223	218	210	206	201	198	194	191	185			
			30,000	230	226	221	217	213	210	206	202	198	194	190	183	180	176	173	170	167	161			
			40,000	209	206	201	198	193	191	187	184	180	177	173	167	163	160	157	154	151	147			
			60,000	183	180	175	173	169	167	163	160	157	154	151	146	143	140	137	135	132	128			
			100,000	154	151	148	146	143	141	138	135	132	130	128	123	120	118	116	113	112	108			
207	1-1/4 1-3/8 1-7/16 35mm	1-3/16 1-1/4 30mm	20,000	347	341	333	328	321	317	311	305	298	293	287	277	271	266	261	256					
			30,000	303	298	291	287	281	277	272	267	261	256	251	242	237	232	228	224					
			40,000	276	271	265	261	255	252	247	242	237	233	228	220	215	211	207	203					
			60,000	241	237	231	228	223	220	216	212	207	203	199	192	188	184	181	177					
			100,000	203	200	195	192	188	185	182	178	174	172	168	162	158	155	152	150					
208	1-1/2 40mm	1-7/16 1-1/2** 35mm	20,000	442	435	424	418	409	403	396	389	380	374	366	352	345	338							
			30,000	386	380	371	365	357	352	346	339	332	326	320	308	301	295							
			40,000	351	345	337	332	325	320	314	308	301	297	290	280	274	268							
			60,000	307	301	294	290	284	280	274	269	263	259	254	244	239	234							
			100,000	259	254	248	244	239	236	231	227	222	218	214	206	202	198							
209	1-5/8 1-11/16 1-3/4 45mm	1-1/2 40mm	20,000	476	468	457	450	440	434	426	418	409	402	394	379	371								
			30,000	416	409	399	393	385	379	372	365	357	351	344	331	324								
			40,000	378	371	362	357	349	345	338	332	324	319	313	301	295								
			60,000	330	324	317	312	305	301	295	290	283	279	273	263	257								
			100,000	278	274	267	263	257	254	249	245	239	235	230	222	217								
210	1-15/16 2 50mm	1-11/16 1-3/4 45mm	20,000	476	468	457	450	440	434	426	418	409	402	394	379									
			30,000	416	409	399	393	385	379	372	365	357	351	344	331									
			40,000	378	371	362	357	349	345	338	332	324	319	313	301									
			60,000	330	324	317	312	305	301	295	290	283	279	273	263									
			100,000	278	274	267	263	257	254	249	245	239	235	230	222									
211	2 2-3/16 55mm	1-15/16 2 50mm	20,000	588	578	565	556	544	537	527	517	505	497	487										
			30,000	514	505	493	486	475	469	460	452	441	434	425										
			40,000	467	459	448	441	432	426	418	410	401	394	386										
			60,000	408	401	391	386	377	372	365	358	350	345	338										
			100,000	344	338	330	325	318	314	308	302	295	291	285										
212	2-1/4 2-7/16 60mm	2-3/16 2-1/4 55mm	20,000	711	699	682	672	658	649	636	625	611												
			30,000	621	611	596	587	575	567	556	546	533												
			40,000	564	555	542	533	522	515	505	496	485												
			60,000	493	485	473	466	456	450	441	433	423												
			100,000	416	409	399	393	385	379	372	365	357												
214	2-11/16 70mm	2-7/16 2-1/2 65mm	20,000	844	830	810	798	781	770															
			30,000	737	725	708	697	682	673															
			40,000	670	658	643	633	620	611															
			60,000	585	575	562	553	541	534															
			100,000	494	485	474	467	457	450															
215	2-15/16 75mm	2-11/16 70mm	20,000	897	882	861	848	830																
			30,000	783	770	752	741	725																
			40,000	712	700	683	673	658																
			60,000	622	611	597	588	575																
			100,000	524	516	503	496	485																
216	-	2-15/16 3 75mm	20,000	1,050	1,032	1,007	992																	
			30,000	917	901	880	867																	
			40,000	833	819	800	788																	
			60,000	728	715	698	688																	
			100,000	614	603	589	580																	
218	-	3-7/16 3-1/2 85mm	20,000	1,294																				
			30,000	1,130																				
			40,000	1,027																				
			60,000	897																				
			100,000	756																				

** Piloted Flange Only

Labyrinth seal required when operating in the shaded area

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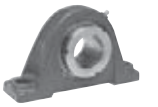
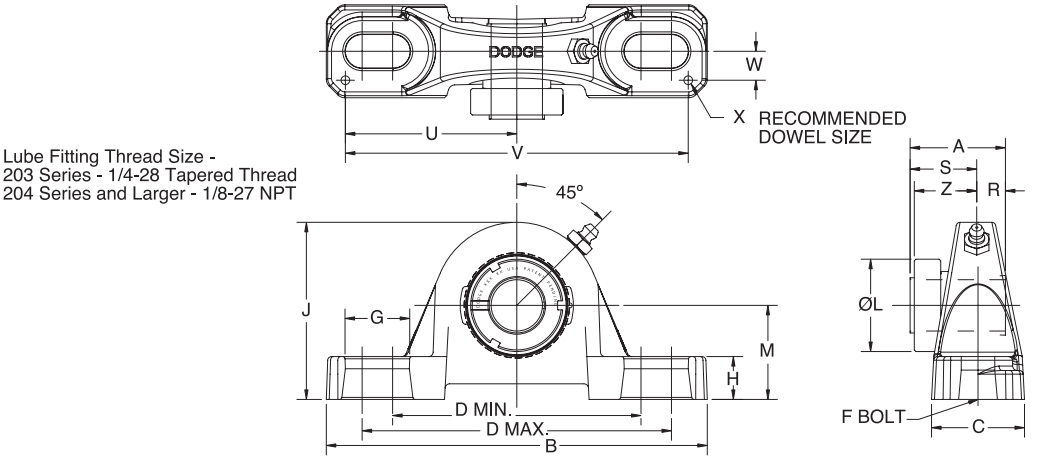
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**129150**	P2B-GT-008	**129420**	P2B-GT-03	**129902**	AN-GT-03-008
	5/8	**129151**	P2B-GT-010			**129903**	AN-GT-03-010
	17mm	***129203***	*P2B-GT-17M*			***129942***	*AN-GT-03-17M*
203 (GTU)	1/2	**129152**	P2B-GTU-008	**129432**	P2B-GTU-03	**129902**	AN-GT-03-008
	5/8	**129153**	P2B-GTU-010			**129903**	AN-GT-03-010
	17mm	***129204***	*P2B-GTU-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**129154**	P2B-GT-012	**129421**	P2B-GT-04	**129904**	AN-GT-04-012
	20mm	***129205***	*P2B-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**129155**	P2B-GT-014	**129422**	P2B-GT-05	**129905**	AN-GT-05-014
	15/16	**129156**	P2B-GT-015			**129906**	AN-GT-05-015
	1	**129157**	P2B-GT-100			**129907**	AN-GT-05-100
	25mm	***129206***	*P2B-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**129158**	P2B-GT-102	**129423**	P2B-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129159**	P2B-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129160**	P2B-GT-104S			**129910**	AN-GT-06-104S
	30mm	***129207***	*P2B-GT-30M*			***129945***	*AN-GT-06-30M*
206 (GTU)	1-1/8	**129841**	P2B-GTU-102	**129419**	P2B-GTU-06	**129908**	AN-GT-06-102
	1-3/16	**129842**	P2B-GTU-103			**129909**	AN-GT-06-103
	1-1/4	**129843**	P2B-GTU-104S			**129910**	AN-GT-06-104
	30mm	***129208***	*P2B-GTU-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**129161**	P2B-GT-104	**129424**	P2B-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129162**	P2B-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129163**	P2B-GT-107			**129913**	AN-GT-07-107
	35mm	***129209***	*P2B-GT-35M*			***129946***	*AN-GT-07-35M*

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
203	1/2	1.5	1-19/64	5	1-13/64	3-1/4	4-1/16	3/8	27/32	25/64	2-5/32	1-13/32	1-1/16	13/32	57/64	2-1/4	4-1/2	3/8	1/8	59/64
	5/8	1.5																		
	17mm	*0.6*	*32.9*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*9.9*	*54.8*	*35.7*	*27.0*	*10.3*	*22.6*	*57.2*	*114.3*	*9.5*	*3.2*	*23.4*
203 (GTU)	1/2	1.7	1-19/64	5	1-13/64	3-1/4	4-1/16	3/8	27/32	17/32	2-9/32	1-13/32	1-3/16	13/32	57/64	2-1/4	4-1/2	3/8	1/8	59/64
	5/8	1.6																		
	17mm	*0.7*	*32.9*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*13.5*	*57.9*	*35.7*	*30.2*	*10.3*	*22.6*	*57.2*	*114.3*	*9.5*	*3.2*	*23.4*
204	3/4	2.1	1-15/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-35/64	1-1/2	1-5/16	31/64	63/64	2-1/4	4-1/2	1/2	1/8	1-3/64
	20mm	*1.0*	*37.3*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*64.7*	*38.1*	*33.3*	*12.3*	*25.0*	*57.2*	*114.3*	*12.7*	*3.2*	*26.6*
205	7/8	2.3	1-29/64	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-51/64	1-7/16	1/2	61/64	2-1/2	5	1/2	3/16	1-1/64
	15/16	2.3																		
	1	2.3																		
	25mm	*1.1*	*36.9*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*45.6*	*36.5*	*12.7*	*24.2*	*63.5*	*127.0*	*12.7*	*4.8*	*25.8*
206	1-1/8	3.7	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-1/4	2-5/64	1-5/8	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	1-3/16	3.6																		
	1-1/4	3.6																		
	30mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*82.6*	*52.8*	*41.3*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
206 (GTU)	1-1/8	3.8	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	45/64	3-5/16	2-5/64	1-11/16	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	1-3/16	3.7																		
	1-1/4	3.7																		
	30mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.9*	*84.1*	*52.8*	*42.9*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
207	1-1/4	4.9	1-5/8	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-3/8	1-7/8	9/16	1-1/16	2-29/32	5-13/16	9/16	3/16	1-9/64
	1-3/8	4.9																		
	1-7/16	4.8																		
	35mm	*2.2*	*41.3*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*60.3*	*47.6*	*14.3*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*	*29.0*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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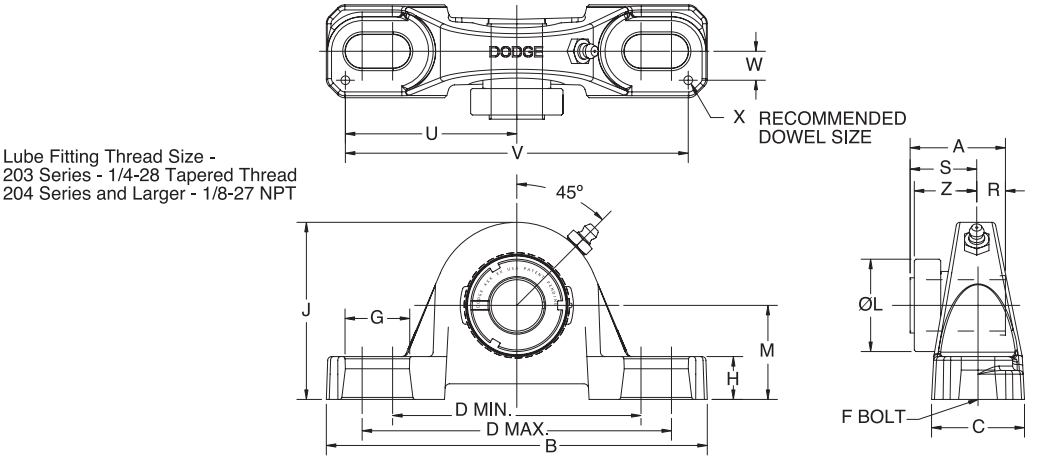
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit Part No.	Complete Unit Description	Unit without Adapter Sleeve & Lock Nut Part No.	Unit without Adapter Sleeve & Lock Nut Description	Adapter Sleeve & Lock Nut Assembly Part No.	Adapter Sleeve & Lock Nut Assembly Description
208	1-1/2	**129164**	P2B-GT-108	**129425**	P2B-GT-08	**129914**	AN-GT-08-108
	1-5/8	**129371**	P2B-GT-110			**129955**	AN-GT-08-110
	40mm	***129149***	*P2B-GT-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129165**	P2B-GT-110L	**129426**	P2B-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**129166**	P2B-GT-111			**129916**	AN-GT-09-111
	1-3/4	**129167**	P2B-GT-112			**129917**	AN-GT-09-112
	45mm	***129211***	*P2B-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129168**	P2B-GT-115	**129427**	P2B-GT-10	**129918**	AN-GT-10-115
	2	**129169**	P2B-GT-200			**129919**	AN-GT-10-200
	50mm	***129212***	*P2B-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**129224**	P2B-GTM-200	**129428**	P2B-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**129170**	P2B-GT-203			**129920**	AN-GT-11-203
	2-1/4	**129376**	P2B-GT-204			**129956**	AN-GT-11-204
	55mm	***129213***	*P2B-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**129226**	P2B-GTM-204	**129429**	P2B-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**129171**	P2B-GT-207			**129921**	AN-GT-12-207
	60mm	***129214***	*P2B-GT-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	**129228**	P2B-GTM-208	**129430**	P2B-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**129172**	P2B-GT-211			**129922**	AN-GT-14-211
	70mm	***129215***	*P2B-GT-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**129173**	P2B-GT-215	**129431**	P2B-GT-15	**129923**	AN-GT-15-215
	3	**@**	P2B-GT-300			**129987**	AN-GT-15-300
	75mm	***129216***	*P2B-GT-75M*			**129953**	*AN-GT-15-75M*
215 (GTU)	2-15/16	**068726**	P2B-GTU-215	**068727**	P2B-GTU-15	**129923**	AN-GT-15-215
	3	**@**	P2B-GTU-300			**129987**	AN-GT-15-300
	75mm	***@***	*P2B-GTU-75M*			***129953***	*AN-GT-15-75M*

@ Assembled To Order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
208	1-1/2	6.0	1-27/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-5/8	2-1/8	21/32	1-3/16	3-17/64	6-17/32	11/16	3/16	1-15/64
	1-5/8	5.8																		
	40mm	*2.7*	*46.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*66.7*	*54.0*	*16.7*	*30.2*	*82.9*	*165.9*	*17.5*	*4.8*	*31.4*
209	1-5/8	6.8	1-55/64	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	2-55/64	2-1/8	21/32	1-13/64	3-3/8	6-3/4	11/16	3/16	1-9/32
	1-11/16	6.8																		
	1-3/4	6.7																		
	45mm	*3.1*	*47.2*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*19.1*	*108.7*	*72.6*	*54.0*	*16.7*	*30.6*	*85.7*	*171.5*	*17.5*	*4.8*	*32.5*
210	1-15/16	8.5	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	3/4	4-17/32	3-1/8	2-1/4	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	2	8.4																		
	50mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*115.1*	*79.4*	*57.2*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*
211	2	12.2	1-59/64	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-15/16	3-27/64	2-1/2	45/64	1-7/32	3-15/16	7 -7/8	13/16	3/16	1-11/32
	2-3/16	11.8																		
	2-1/4	11.7																		
	55mm	*5.6*	*48.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*125.4*	*86.9*	*63.5*	*17.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*	*34.1*
212	2-1/4	17.5	2-7/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-3/8	3-11/16	2-3/4	49/64	1-11/32	4-1/4	8-1/2	7/8	3/16	1-15/32
	2-7/16	17.2																		
	60mm	*7.0*	*53.6*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*136.5*	*93.7*	*69.9*	*19.4*	*34.1*	*108.0*	*215.9*	*22.2*	*4.8*	*37.3*
214	2-1/2	19.4	2-25/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-5/64	4	3	7/8	1-33/64	4-7/8	9-3/4	15/16	3/16	1-19/32
	2-11/16	19.3																		
	70mm	*8.9*	*60.7*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.4*	*101.6*	*76.2*	*22.2*	*38.5*	*123.8*	*247.7*	*23.8*	*4.8*	*40.5*
215	2-15/16	25.2	2-29/64	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-23/32	4-7/16	3-1/2	57/64	1-9/16	5-1/2	11	1-1/16	3/16	1-5/8
	3	25.0																		
	75mm	*10.1*	*62.3*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*170.7*	*112.7*	*88.9*	*22.6*	*39.7*	*139.7*	*279.4*	*27.0*	*4.8*	*41.3*
215 (GTU)	2-15/16	24.9	2-29/64	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-15/32	4-7/16	3-1/4	57/64	1-43/64	5-1/2	11	1-1/16	3/16	1-5/8
	3	24.7																		
	75mm	*10.0*	*62.3*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*164.3*	*112.7*	*82.6*	*22.6*	*42.5*	*139.7*	*279.4*	*27.0*	*4.8*	*41.3*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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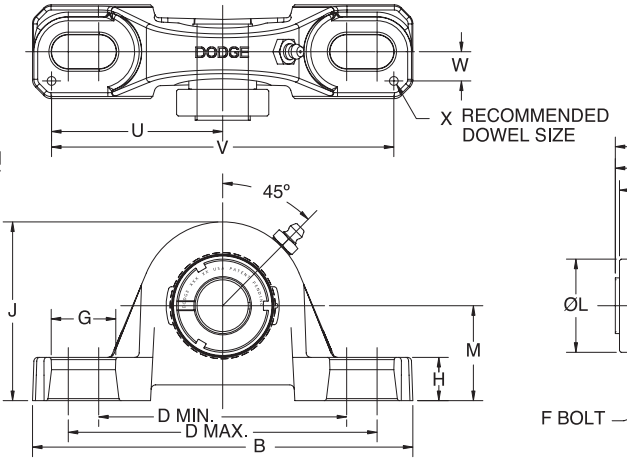
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Larger - 1/8-27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	@	P2B-GTAH-008	**062993**	P2B-GTAH-03	**129902**	AN-GT-03-008
	5/8	**067713**	P2B-GTAH-010			**129903**	AN-GT-03-010
	17mm	@	*P2B-GTAH-17M*			**129942**	*AN-GT-03-17M*
203 (GTU)	1/2	@	P2B-GTUAH-008	@	P2B-GTUAH-03	**129902**	AN-GT-03-008
	5/8	@	P2B-GTUAH-010			**129903**	AN-GT-03-010
	17mm	@	*P2B-GTUAH-17M*			**129942**	*AN-GT-03-17M*
204	3/4	**129174**	P2B-GTAH-012	**129442**	P2B-GTAH-04	**129904**	AN-GT-04-012
	20mm	@	*P2B-GTAH-20M*			**129943**	*AN-GT-04-20M*
205	7/8	@	P2B-GTAH-014	**129443**	P2B-GTAH-05	**129905**	AN-GT-05-014
	15/16	@	P2B-GTAH-015			**129906**	AN-GT-05-015
	1	**129175**	P2B-GTAH-100			**129907**	AN-GT-05-100
	25mm	***062978***	*P2B-GTAH-25M*			**129944**	*AN-GT-05-25M*
206	1-1/8	@	P2B-GTAH-102	**129399**	P2B-GTAH-06	**129908**	AN-GT-06-102
	1-3/16	**129176**	P2B-GTAH-103			**129909**	AN-GT-06-103
	1-1/4	@	P2B-GTAH-104S			**129910**	AN-GT-06-104S
	30mm	@	*P2B-GTAH-30M*			**129945**	*AN-GT-06-30M*
206 (GTU)	1-1/8	**067865**	P2B-GTUAH-102	**129452**	P2B-GTUAH-06	**129908**	AN-GT-06-102
	1-3/16	**129177**	P2B-GTUAH-103			**129909**	AN-GT-06-103
	1-1/4	@	P2B-GTUAH-104S			**129910**	AN-GT-06-104S
	30mm	@	*P2B-GTUAH-30M*			**129945**	*AN-GT-06-30M*
207	1-1/4	**067910**	P2B-GTAH-104	**129444**	P2B-GTAH-07	**129911**	AN-GT-07-104
	1-3/8	@	P2B-GTAH-106			**129912**	AN-GT-07-106
	1-7/16	**129178**	P2B-GTAH-107			**129913**	AN-GT-07-107
	35mm	@	*P2B-GTAH-35M*			**129946**	*AN-GT-07-35M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
203	1/2	1.6	1-19/64	5	1-13/64	3-1/4	4-1/16	3/8	27/32	25/64	2-5/32	1-13/32	1-1/16	13/32	57/64	2-1/4	4-1/2	3/8	1/8	59/64
	5/8	1.5																		
	17mm	*0.6*	*32.9*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*9.9*	*54.8*	*35.7*	*27.0*	*10.3*	*22.6*	*57.2*	*114.3*	*9.5*	*3.2*	*23.4*
203 (GTU)	1/2	1.7	1-19/64	5	1-13/64	3-1/4	4-1/16	3/8	27/32	17/32	2-9/32	1-13/32	1-3/16	13/32	57/64	2-1/4	4-1/2	3/8	1/8	59/64
	5/8	1.6																		
	17mm	*0.7*	*32.9*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*13.5*	*57.9*	*35.7*	*30.2*	*10.3*	*22.6*	*57.2*	*114.3*	*9.5*	*3.2*	*23.4*
204	3/4	2.1	1-15/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-35/64	1-1/2	1-5/16	31/64	63/64	2-1/4	4-1/2	1/2	1/8	1-3/64
	20mm	*1.0*	*37.3*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*64.7*	*38.1*	*33.3*	*12.3*	*25.0*	*57.2*	*114.3*	*12.7*	*3.2*	*26.6*
205	7/8	2.3	1-29/64	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-51/64	1-7/16	1/2	61/64	2-1/2	5	1/2	3/16	1-1/64
	15/16	2.3																		
	1	2.3																		
	25mm	*1.1*	*36.9*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*45.6*	*36.5*	*12.7*	*24.2*	*63.5*	*127.0*	*12.7*	*4.8*	*25.8*
206	1-1/8	3.7	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-1/4	2-5/64	1-5/8	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	1-3/16	3.6																		
	1-1/4	3.6																		
	30mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*82.6*	*52.8*	*41.3*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
206 (GTU)	1-1/8	3.8	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	45/64	3-5/16	2-5/64	1-11/16	17/32	1-5/64	2-7/8	5 -3/4	9/16	3/16	1-1/8
	1-3/16	3.7																		
	1-1/4	3.7																		
	30mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.9*	*95.3*	*52.8*	*42.9*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
207	1-1/4	4.9	1-5/8	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-3/8	1-7/8	9/16	1-1/16	2-29/32	5-13/16	9/16	3/16	1-9/64
	1-3/8	4.9																		
	1-7/16	4.8																		
	35mm	*2.2*	*41.3*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*60.3*	*47.6*	*14.3*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*	*29.0*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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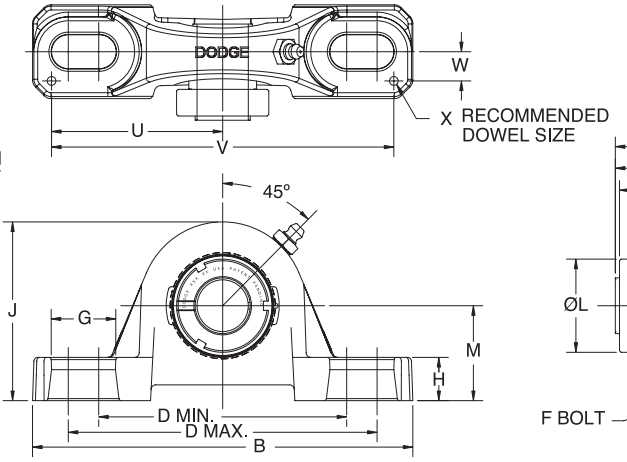
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Larger - 1/8-27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**065620**	P2B-GTAH-108	**129445**	P2B-GTAH-08	**129914**	AN-GT-08-108
	1-5/8	@	P2B-GTAH-110			**129955**	AN-GT-08-110
	40mm	@	*P2B-GTAH-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**064841**	P2B-GTAH-110L	**129446**	P2B-GTAH-09	**129915**	AN-GT-09-110L
	1-11/16	**129179**	P2B-GTAH-111			**129916**	AN-GT-09-111
	1-3/4	@	P2B-GTAH-112			**129917**	AN-GT-09-112
	45mm	@	*P2B-GTAH-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129180**	P2B-GTAH-115	**129447**	P2B-GTAH-10	**129918**	AN-GT-10-115
	2	@	P2B-GTAH-200			**129919**	AN-GT-10-200
	50mm	@	*P2B-GTAH-50M*			***129949***	*AN-GT-10-50M*
211	2	@	P2B-GTMAH-200	**129448**	P2B-GTAH-11	**129932**	AN-GTM-11-200
	2-3/16	**129181**	P2B-GTAH-203			**129920**	AN-GT-11-203
	2-1/4	@	P2B-GTAH-204			**129956**	AN-GT-11-204
	55mm	@	*P2B-GTAH-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	@	P2B-GTMAH-204	**129449**	P2B-GTAH-12	**129934**	AN-GTM-12-204
	2-7/16	**129182**	P2B-GTAH-207			**129921**	AN-GT-12-207
	60mm	@	*P2B-GTAH-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	@	P2B-GTMAH-208	**129450**	P2B-GTAH-14	**129936**	AN-GTM-14-208
	2-11/16	**062958**	P2B-GTAH-211			**129922**	AN-GT-14-211
	70mm	**067777**	*P2B-GTAH-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**064463**	P2B-GTAH-215	**062682**	P2B-GTAH-15	**129923**	AN-GT-15-215
	3	@	P2B-GTAH-300			**129987**	AN-GT-15-300
	75mm	@	*P2B-GTAH-75M*			***129953***	*AN-GT-15-75M*
215 (GTU)	2-15/16	**062861**	P2B-GTUAH-215	@	P2B-GTUAH-15	**129923**	AN-GT-15-215
	3	@	P2B-GTUAH-300			**129987**	AN-GT-15-300
	75mm	@	*P2B-GTUAH-75M*			***129953***	*AN-GT-15-75M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
208	1-1/2 1-5/8 *40mm*	6.0 5.9 *2.7*	1-27/32 *46.8*	7-1/4 *184.2*	1-15/16 *49.2*	5-3/16 *131.8*	5-7/8 *149.2*	1/2 *M12*	29/32 *23.0*	15/16 *23.8*	4-3/16 *106.4*	2-5/8 *66.7*	2-1/8 *54.0*	21/32 *16.7*	1-3/16 *30.2*	3-17/64 *82.9*	6-17/32 *165.9*	11/16 *17.5*	3/16 *4.8*	1-15/64 *31.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.8 6.8 6.7 *3.1*	1.55/64 *47.2*	7-7/16 *188.9*	2 *50.8*	5-1/2 *139.7*	6-3/16 *157.2*	1/2 *M12*	29/32 *23.0*	3/4 *19.1*	4-9/32 *108.7*	2-55/64 *72.6*	2-1/8 *54.0*	21/32 *16.7*	1-13/64 *30.6*	3-3/8 *85.7*	6-3/4 *171.5*	11/16 *17.5*	3/16 *4.8*	1-9/32 *32.5*
210	1-15/16 2 *50mm*	8.5 8.4 *3.9*	1-55/64 *47.2*	8-1/8 *206.4*	2-1/4 *57.2*	6 *152.4*	6-11/16 *169.9*	5/8 *M16*	1-1/64 *25.8*	3/4 *19.1*	4-17/32 *115.1*	3-1/8 *79.4*	2-1/4 *57.2*	21/32 *16.7*	1-13/64 *30.6*	3-11/16 *93.7*	7-3/8 *187.3*	13/16 *20.6*	3/16 *4.8*	1-9/32 *32.5*
211	2 2-3/16 2-1/4 *55mm*	12.2 11.8 11.7 *5.6*	1-59/64 *48.8*	8-7/8 *225.4*	2-5/16 *58.7*	6-3/8 *161.9*	7-7/16 *188.9*	5/8 *M16*	1-7/32 *31.0*	7/8 *22.2*	4-15/16 *125.4*	3-27/64 *86.9*	2-1/2 *63.5*	45/64 *17.9*	1-7/32 *31.0*	3-15/16 *100.0*	7-7/8 *200.0*	13/16 *20.6*	3/16 *4.8*	1-11/32 *34.1*
212	2-1/4 2-7/16 *60mm*	17.5 17.2 *7.0*	2-7/64 *53.6*	9-1/2 *241.3*	2-3/8 *60.3*	6-7/8 *174.6*	7-15/16 *201.6*	5/8 *M16*	1-7/32 *31.0*	7/8 *22.2*	5-3/8 *136.5*	3-11/16 *93.7*	2-3/4 *69.9*	49/64 *19.4*	1-11/32 *34.1*	4-1/4 *108.0*	8-1/2 *215.9*	7/8 *22.2*	3/16 *4.8*	1-15/32 *37.3*
214	2-1/2 2-11/16 *70mm*	19.4 19.3 *8.9*	2-25/64 *60.7*	10-3/4 *273.1*	2-11/16 *68.3*	7-1/2 *190.5*	8-1/2 *215.9*	3/4 *M18*	1-5/16 *33.3*	15/16 *23.8*	6-5/64 *154.4*	4 *101.6*	3 *76.2*	7/8 *22.2*	1-33/64 *38.5*	4-7/8 *123.8*	9-3/4 *247.7*	15/16 *23.8*	3/16 *4.8*	1-19/32 *40.5*
215	2-15/16 3 *75mm*	25.2 25.0 *10.1*	2-29/64 *62.3*	11-3/4 *298.5*	2-7/8 *73.0*	8-1/2 *215.9*	9-1/2 *241.3*	7/8 *M22*	1-7/16 *36.5*	1 *25.4*	6-23/32 *170.7*	4-7/16 *112.7*	3-1/2 *88.9*	57/64 *22.6*	1-43/64 *42.5*	5-1/2 *139.7*	11 *279.4*	1-1/16 *27.0*	3/16 *4.8*	1-5/8 *41.3*
215 (GTU)	2-15/16 3 *75mm*	24.9 24.7 *11.4*	2-29/64 *62.3*	11-3/4 *298.5*	2-7/8 *73.0*	8-1/2 *215.9*	9-1/2 *241.3*	7/8 *M22*	1-7/16 *36.5*	1 *25.4*	6-15/32 *164.3*	4-7/16 *112.7*	3-1/4 *82.6*	57/64 *22.6*	1-43/64 *42.5*	5-1/2 *139.7*	11 *279.4*	1-1/16 *27.0*	3/16 *4.8*	1-5/8 *41.3*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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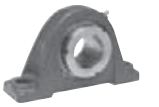
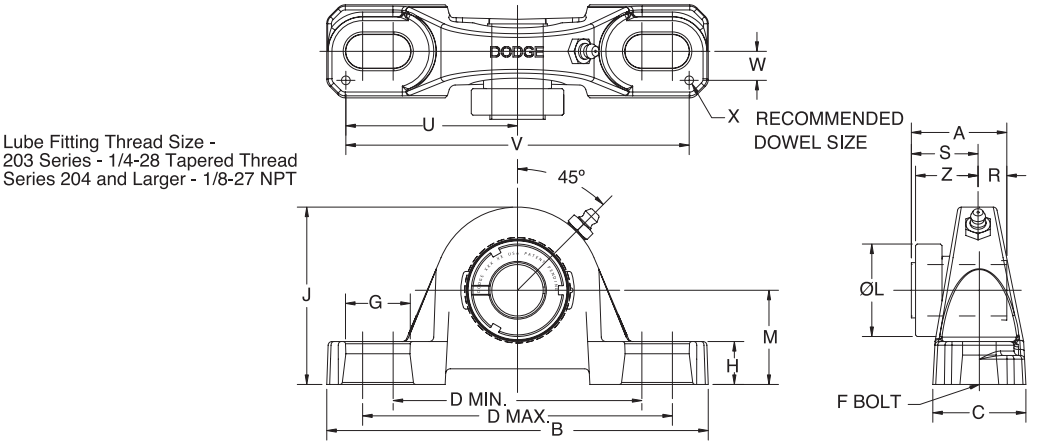
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTB NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203 (GT)	1/2	**129150**	P2B-GT-008	**129420**	P2B-GT-03	**129902**	AN-GT-03-008
	5/8	**129151**	P2B-GT-010			**129903**	AN-GT-03-010
	17mm	***129203***	*P2B-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**129183**	P2B-GTB-012	**129433**	P2B-GTB-04	**129904**	AN-GT-04-012
	20mm	***129040***	*P2B-GTB-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**129184**	P2B-GTB-014	**129434**	P2B-GTB-05	**129905**	AN-GT-05-014
	15/16	**129185**	P2B-GTB-015			**129906**	AN-GT-05-015
	1	**129186**	P2B-GTB-100			**129907**	AN-GT-05-100
	25mm	***129041***	*P2B-GTB-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**129187**	P2B-GTB-102	**129435**	P2B-GTB-06	**129908**	AN-GT-06-102
	1-3/16	**129188**	P2B-GTB-103			**129909**	AN-GT-06-103
	1-1/4	**129189**	P2B-GTB-104S			**129910**	AN-GT-06-104S
	30mm	***129042***	*P2B-GTB-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**129190**	P2B-GTB-104	**129436**	P2B-GTB-07	**129911**	AN-GT-07-104
	1-3/8	**129191**	P2B-GTB-106			**129912**	AN-GT-07-106
	1-7/16	**129192**	P2B-GTB-107			**129913**	AN-GT-07-107
	35mm	***129043***	*P2B-GTB-35M*			***129946***	*AN-GT-07-35M*

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTB NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
203	1/2 5/8 *17mm*	1.6 *0.6*	1-19/64 *32.9*	5 *127.0*	1-13/64 *306*	3-1/4 *82.6*	4-1/16 *103.2*	3/8 *M10*	27/32 *21.4*	25/64 *9.9*	2-5/32 *54.8*	1-13/32 *35.7*	1-1/16 *27.0*	13/32 *10.3*	57/64 *22.6*	2-1/4 *57.2*	4-1/2 *114.3*	3/8 *9.5*	1/8 *3.2*	59/64 *23.4*
204	3/4 *20mm*	2.1 *1.0*	1-15/32 *37.3*	5-1/4 *133.4*	1-21/64 *33.7*	3-3/8 *85.7*	4-3/16 *106.4*	3/8 *M10*	27/32 *21.4*	29/64 *11.9*	2-31/64 *63.1*	1-1/2 *38.1*	1-1/4 *31.8*	31/64 *12.3*	63/64 *25.0*	2-1/4 *57.2*	4-1/2 *114.3*	1/2 *12.7*	1/8 *3.2*	1-1/64 *25.8*
205	7/8 15/16 1 *25mm*	2.3 2.3 2.3 *1.1*	1-29/64 *36.9*	5-1/2 *139.7*	1-13/32 *35.7*	3-11/16 *93.7*	4-1/2 *114.3*	3/8 *M10*	27/32 *21.4*	29/64 *11.9*	2-21/32 *67.5*	1-51/64 *45.6*	1-5/16 *33.3*	1/2 *12.8*	61/64 *24.2*	2-1/2 *63.5*	5 *127.0*	1/2 *12.7*	3/16 *4.8*	1-1/8 *28.6*
206	1-1/8 1-3/16 1-1/4 *30mm*	3.8 3.7 3.7 *1.7*	1-39/64 *40.9*	6-1/4 *158.8*	1-47/64 *44.1*	4-1/4 *108.0*	5 *127.0*	1/2 *M12*	15/16 *23.8*	9/16 *15.9*	3-3/16 *81.0*	2-5/64 *52.8*	1-9/16 *39.7*	17/32 *13.5*	1-5/64 *27.4*	2-7/8 *73.0*	5-3/4 *146.1*	9/16 *14.3*	3/16 *4.8*	1-9/64 *29.0*
207	1-1/4 1-3/8 1-7/16 *35mm*	4.9 4.9 4.8 *2.2*	1-5/8 *41.3*	6-1/2 *165.1*	1-47/64 *44.1*	4-11/16 *119.1*	5-7/16 *138.1*	1/2 *M12*	15/16 *23.8*	41/64 *16.7*	3-11/16 *93.7*	2-3/8 *60.3*	1-13/16 *46.0*	9/16 *14.3*	1-1/16 *27.0*	2-29/32 *73.8*	5-13/16 *147.6*	9/16 *14.3*	3/16 *4.8*	1-15/64 *31.4*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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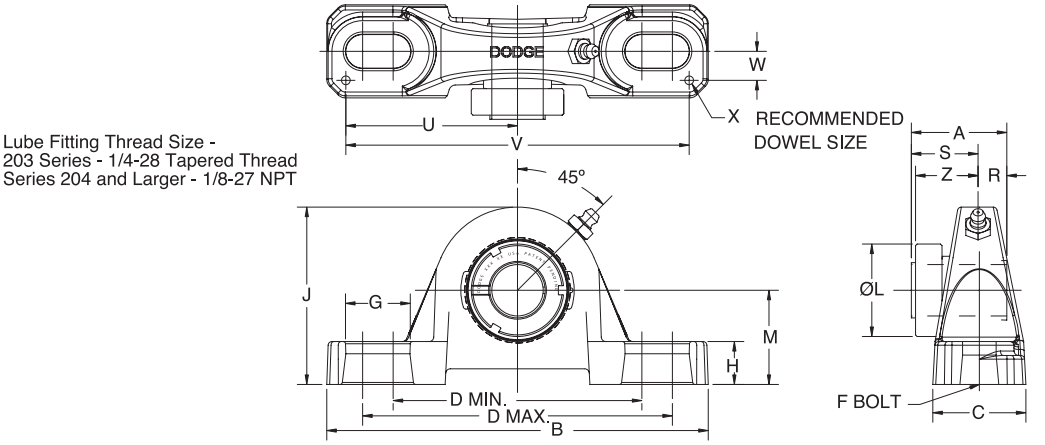
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTB NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**129193**	P2B-GTB-108	**129437**	P2B-GTB-08	**129914**	AN-GT-08-108
	1-5/8	**129372**	P2B-GTB-110			**129955**	AN-GT-08-110
	40mm	***129210***	*P2B-GTB-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129194**	P2B-GTB-110L	**129438**	P2B-GTB-09	**129915**	AN-GT-09-110L
	1-11/16	**129195**	P2B-GTB-111			**129916**	AN-GT-09-111
	1-3/4	**129196**	P2B-GTB-112			**129917**	AN-GT-09-112
	45mm	***129044***	*P2B-GTB-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129197**	P2B-GTB-115	**129439**	P2B-GTB-10	**129918**	AN-GT-10-115
	2	**129198**	P2B-GTB-200			**129919**	AN-GT-10-200
	50mm	***129045***	*P2B-GTB-50M*			***129949***	*AN-GT-10-50M*
211	2	**129199**	P2B-GTB-200L	**129440**	P2B-GTB-11	**129932**	AN-GTM-11-200
	2-3/16	**129200**	P2B-GTB-203			**129920**	AN-GT-11-203
	2-1/4	**129377**	P2B-GTB-204			**129956**	AN-GT-11-204
	55mm	***129046***	*P2B-GTB-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**129201**	P2B-GTB-204L	**129441**	P2B-GTB-12	**129934**	AN-GTM-12-204
	2-7/16	**129202**	P2B-GTB-207			**129921**	AN-GT-12-207
	60mm	***129047***	*P2B-GTB-60M*			***129951***	*AN-GT-12-60M*
215	2-15/16	**062741**	P2B-GTB-215	**062742**	P2B-GTB-15	**129923**	AN-GT-15-215
	3	**@**	P2B-GTB-300			**129987**	AN-GT-15-300
	75mm	***@***	*P2B-GTB-75M*			***129953***	*AN-GT-15-75M*

@ Assembled to order

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DODGE®

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X*	Z
						min.	max.													
208	1-1/2	6.0	1-27/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-5/8	1-15/16	21/32	1-3/16	3-17/64	6-17/32	11/16	3/16	1-15/64
	1-5/8	5.9																		
	40mm	*2.7*	*46.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*66.7*	*49.2*	*16.7*	*30.2*	*82.9*	*165.9*	*17.5*	*4.8*	*31.4*
209	1-5/8	6.8	1-55/64	7-7/16	2	5-1/2	6-3/16	1/2	29/32	11/16	4-7/32	2-55/64	2-1/16	21/32	1-13/64	3-3/8	6-3/4	11/16	3/16	1-9/32
	1-11/16	6.8																		
	1-3/4	6.7																		
	45mm	*3.1*	*47.2*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*17.5*	*107.2*	*72.6*	*52.4*	*16.7*	*30.6*	*85.7*	*171.5*	*17.5*	*4.8*	*32.5*
210	1-15/16	8.5	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	3-1/8	2-3/16	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	2	8.4																		
	50mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*26.2*	*17.5*	*113.5*	*79.4*	*55.6*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*
211	2	12.2	1-59/64	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	51/64	4-7/8	3-27/64	2-7/16	45/64	1-7/32	3-15/16	7-7/8	13/16	3/16	1-11/32
	2-3/16	11.9																		
	2-1/4	11.8																		
	55mm	*5.6*	*48.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.2*	*123.8*	*86.9*	*61.9*	*17.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*	*34.1*
212	2-1/4	17.5	2-7/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	51/64	5-5/16	3-11/16	2-11/16	49/64	1-11/32	4-1/4	8-1/2	7/8	3/16	1-15/32
	2-7/16																			
	60mm	*7.0*	*53.6*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*20.2*	*134.9*	*93.7*	*68.3*	*19.4*	*34.1*	*108.0*	*215.9*	*22.2*	*4.8*	*37.3*
215	2-15/16	24.9	2-29/64	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1-3/64	6-17/32	4-7/16	3-5/16	57/64	1-9/16	5-1/2	11	1-1/16	3/16	1-5/8
	3	24.7																		
	75mm	*11.4*	*62.3*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*26.6*	*165.9*	*112.7*	*84.1*	*22.6*	*39.7*	*139.7*	*279.4*	*27.0*	*4.8*	*41.3*

* Only 1 pillow block can be dowel pinned per shaft

R & S Dimensions will vary slightly depending on true shaft diameter

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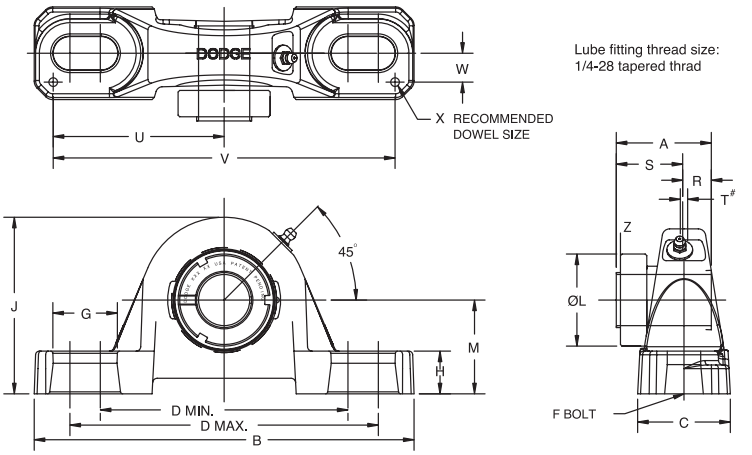
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTH-E EXPANSION PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part Number	Description	Part Number	Description	Part Number	Description
205	1	@	P2B-GTH-100-E	065777	P2B-GTH-05-E	129907	AN-GT-05-100
	25mm	***065776***	*P2B-GTH-25M-E*			***129944***	*AN-GT-05-25M*
206	1-3/16	130691	P2B-GTH-103-E	130697	P2B-GTH-06-E	129099	AN-GT-06-103
	1-1/4	068230	P2B-GTH-104S-E			199910	AN-GT-06-104S
	30mm	***068872***	*P2B-GTH-30M-E*			***129945***	*AN-GT-06-30M*
207	1-7/16	130692	P2B-GTH-107-E	130698	P2B-GTH-07-E	129913	AN-GT-07-107
	35mm	***065598***	*P2B-GTH-35M-E*			***129946***	*AN-GT-07-35M*
209	1-11/16	130693	P2B-GTH-111-E	130699	P2B-GTH-09-E	129916	AN-GT-09-111
	1 3/4	@	P2B-GTH-112-E			129917	AN-GT-09-112
	45mm	***064874***	*P2B-GTH-45M-E*			***129948***	*AN-GT-09-45M*
210	1-15/16	130694	P2B-GTH-115-E	130700	P2B-GTH-10-E	129918	AN-GT-10-115
	2	@	P2B-GTH-200-E			129919	AN-GT-10-200
	50mm	***064794***	*P2B-GTH-50M-E*			***129949***	*AN-GT-10-50M*
211	2-3/16	130695	P2B-GTH-203-E	130701	P2B-GTH-11-E	129920	AN-GT-11-203
	2 1/4	130689	P2B-GTH-204-E			129956	AN-GT-11-204
	55mm	***064875***	*P2B-GTH-55M-E*			***129950***	*AN-GT-11-55M*
212	2-7/16	130696	P2B-GTH-207-E	130702	P2B-GTH-12-E	129921	AN-GT-12-207
	60mm	@	*P2B-GTH-60M-E*			***129951***	*AN-GT-12-60M*

Use GTM Medium Duty Pillow Blocks for non-expansion units.
@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTH-E EXPANSION PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J
						min.	max.				
205	1	3.7	1-29/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16
	25mm	*1.7*	*36.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*
206	1-3/16	5.0	1-39/64	6-7/8	2	4-11/16	5-7/16	1/2	1	11/16	3-13/16
	1-1/4	5.0									
	30mm	*1.5*	*40.9*	*174.6*	*50.8*	*119.1*	*138.1*	*M12*	*25.4*	*17.5*	*96.8*
207	1-7/16	6.9	1-5/8	7-15/16	2-1/32	5-1/16	6-5/16	1/2	1-3/16	3/4	4-3/16
	35mm	*2.1*	*41.3*	*201.6*	*51.6*	*128.6*	*160.3*	*M12*	*30.2*	*19.1*	*106.4*
209	1-11/16	9.2	1-55/64	8-1/8	2-3/8	6	6-1/2	5/8	15/16	3/4	4-9/16
	1-3/4	9.2									
	45mm	*2.8*	*47.2*	*206.4*	*60.3*	*152.4*	*165.1*	*M12*	*23.8*	*19.1*	*115.9*
210	1-15/16	10.8	1-55/64	9-1/2	2-1/2	6	7-1/2	5/8	1-7/16	7/8	5-3/32
	2	10.8									
	50mm	*3.3*	*47.2*	*241.3*	*63.5*	*152.4*	*190.5*	*M16*	*36.5*	*22.2*	*129.4*
211	2-3/16	15.7	1-59/64	10-1/4	3	6-5/8	7-7/8	5/8	1-7/16	1-1/16	5-5/8
	2-1/4	15.7									
	55mm	*4.8*	*48.8*	*260.4*	*76.2*	*168.3*	*200.0*	*M16*	*36.5*	*27.0*	*142.9*
212	2-7/16	20.1	2-7/64	11-1/4	3-1/4	7-3/16	8-13/16	3/4	1-5/8	1-1/16	6-1/4
	60mm	*6.1*	*53.6*	*285.8*	*82.6*	*182.6*	*223.8*	*M18*	*41.3*	*27.0*	*158.8*

Series	Shaft Size	L	M	R#	S#	T Total Expansion	U	V	W	X @	Z
205	1	1-51/64	1-11/16	1/2	61/64	5/32	2-7/8	5-3/4	9/16	3/16	1-1/64
	25mm	*45.6*	*42.9*	*12.9*	*24.2*	*4.0*	*73.0*	*146.1*	*14.3*	*4.8*	*25.8*
206	1-3/16	2-5/64	1-7/8	17/32	1-5/64	3/16	3-1/8	6-1/4	11/16	3/16	1-1/8
	1-1/4										
	30mm	*52.8*	*47.6*	*13.5*	*27.4*	*4.8*	*79.4*	*158.8*	*17.5*	*4.8*	*28.6*
207	1-7/16	2-3/8	2-1/8	9/16	1-1/16	3/16	3-11/16	7-3/8	23/32	3/16	1-9/64
	35mm	*60.3*	*54.0*	*14.3*	*27.0*	*4.8*	*93.7*	*187.3*	*18.3*	*4.8*	*29.0*
209	1-11/16	2-55/64	2-1/4	21/32	1-13/64	1/4	3-11/16	7-3/8	13/16	3/16	1-9/32
	1-3/4										
	45mm	*72.6*	*56.4*	*16.7*	*30.6*	*28.6*	*6.4*	*93.7*	*187.3*	*20.6*	*32.5*
210	1-15/16	3-1/8	2-1/2	21/32	1-13/64	1/4	4-3/8	8-3/4	7/8	3/16	1-9/32
	2										
	50mm	*79.4*	*63.5*	*16.7*	*30.6*	*6.4*	*111.1*	*222.3*	*22.2*	*4.8*	*32.5*
211	2-3/16	3-27/64	2-3/4	45/64	1-7/32	1/4	4-3/4	9-1/2	1-1/8	3/16	1-11/32
	2-1/4										
	55mm	*86.9*	*69.9*	*17.9*	*31.0*	*6.4*	*120.7*	*241.3*	*28.6*	*4.8*	*34.1*
212	2-7/16	3-11/16	3	49/64	1-11/32	1/4	5-1/4	10-1/2	1-1/4	3/16	1-15/32
	60mm	*93.7*	*76.2*	*19.4*	*34.1*	*6.4*	*133.4*	*266.7*	*31.8*	*4.8*	*37.3*

R & S dimensions will vary slightly depending on true shaft diameter.
@ Only 1 pillow block can be dowel pinned per shaft

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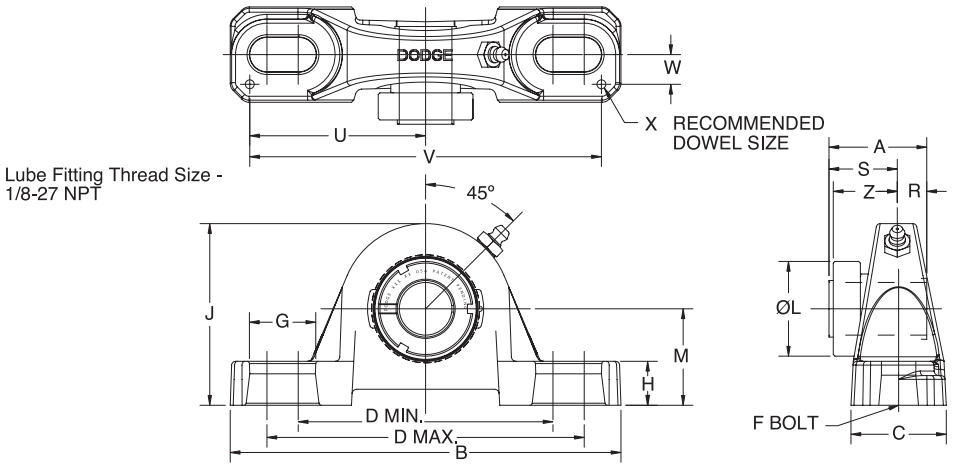
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**129048**	P2B-GTM-012	**129422**	P2B-GT-05	**129924**	AN-GTM-05-012
206	1	**129217**	P2B-GTM-100	**129419**	P2B-GTU-06	**129925**	AN-GTM-06-100
	25mm	***136258***	*P2B-GTM-25M*			***129957***	*AN-GTM-06-25M*
206 (GTMU)	1	**129381**	P2B-GTMU-100	**129385**	P2B-GTMU-06	**129925**	AN-GTM-06-100
	25mm	*@*	*P2B-GTMU-25M*			***129957***	*AN-GTM-06-25M*
207	1-3/16	**129218**	P2B-GTM-103	**129424**	P2B-GT-07	**129926**	AN-GTM-07-103
	1-1/4	**129161**	P2B-GT-104			**129911**	AN-GT-07-104
	30mm	***129049***	*P2B-GTM-30M*			***129954***	*AN-GTM-07-30M*
208	1-7/16	**129219**	P2B-GTM-107	**129425**	P2B-GT-08	**129927**	AN-GTM-08-107
	35mm	***136259***	*P2B-GTM-35M*			***129958***	*AN-GTM-08-35M*
209	1-1/2	**129220**	P2B-GTM-108	**129426**	P2B-GT-09	**129928**	AN-GTM-09-108
	40mm	***136260***	*P2B-GTM-40M*			***129959***	*AN-GTM-09-40M*
210	1-11/16	**129221**	P2B-GTM-111	**129427**	P2B-GT-10	**129929**	AN-GTM-10-111
	1-3/4	**129222**	P2B-GTM-112			**129930**	AN-GTM-10-112
	45mm	***136261***	*P2B-GTM-45M*			***129960***	*AN-GTM-10-45M*
210 (GTMU)	1-11/16	**129383**	P2B-GTMU-111	**129387**	P2B-GTU-10	**129929**	AN-GTM-10-111
	1-3/4	*@*	P2B-GTMU-112			**129930**	AN-GTM-10-112
	45mm	*@*	*P2B-GTMU-45M*			***129960***	*AN-GTM-10-45M*

@ Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X@	Z
						min.	max.													
205	3/4	2.4	1-29/64	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-5/32	1-51/64	1-7/16	1/2	61/64	2-1/2	5	1/2	3/16	1-1/64
			36.9	139.7	35.7	93.7	114.3	M10	21.4	14.7	57.8	45.6	36.5	12.7	24.2	63.5	127.0	12.7	4.8	25.4
206	1	4.2	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-1/4	2-5/64	1-11/16	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	25mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*82.6*	*52.8*	*42.9*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
206 (GTMU)	1	4.2	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-5/16	2-5/64	1-3/4	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	25mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*84.1*	*52.8*	*44.5*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
207	1-3/16	5.1	1-5/8	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-3/8	1-7/8	9/16	1-1/16	2-29/32	5-13/16	9/16	3/16	1-9/64
	1-1/4	4.9																		
	30mm	*2.2*	*41.3*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*60.3*	*47.6*	*14.3*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*	*29.0*
208	1-7/16	7.2	1-27/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-5/8	2-1/8	21/32	1-3/16	3-17/64	6-17/32	11/16	3/16	1-15/64
	35mm	*2.7*	*46.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*66.7*	*54.0*	*16.7*	*30.2*	*82.9*	*165.9*	*17.5*	*4.8*	*31.4*
209	1-1/2	9.2	1-55/64	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	2-55/64	2-1/8	21/32	1-13/64	3-3/8	6-3/4	11/16	3/16	1-9/32
	40mm	*3.1*	*47.2*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*19.1*	*108.7*	*72.6*	*54.0*	*16.7*	*30.6*	*85.7*	*171.5*	*17.5*	*4.8*	*32.5*
210	1-11/16	10.1	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	3/4	4-17/32	3-1/8	2-1/4	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	1-3/4	10.1																		
	45mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*115.1*	*79.4*	*57.2*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*
210 (GTMU)	1-11/16	10.1	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	13/16	4-19/32	3-1/8	2-5/16	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	1-3/4	10.1																		
	45mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*116.7*	*79.4*	*58.7*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*

#R & S dimensions will vary slightly depending on true shaft diameter

@ Only 1 pillow block can be dowel pinned per shaft

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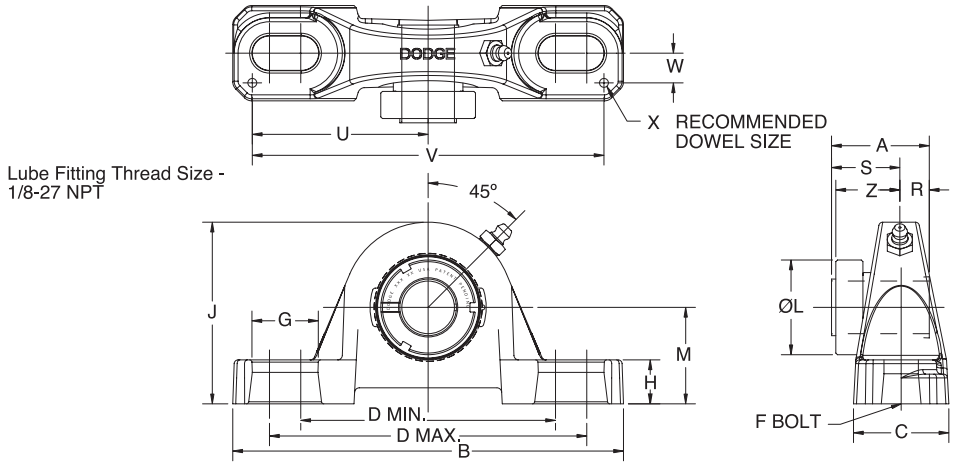
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**129223**	P2B-GTM-115	**129428**	P2B-GT-11	**129931**	AN-GTM-11-115
	2	**129224**	P2B-GTM-200			**129932**	AN-GTM-11-200
	50mm	***136262***	*P2B-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129225**	P2B-GTM-203	**129429**	P2B-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**129226**	P2B-GTM-204			**129934**	AN-GTM-12-204
	55mm	***136263***	*P2B-GTM-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129227**	P2B-GTM-207	**129430**	P2B-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**129228**	P2B-GTM-208			**129936**	AN-GTM-14-208
	60mm	***068071***	*P2B-GTM-60M*			***064497***	*AN-GTM-14-60M*
	65mm	***136264***	*P2B-GTM-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	**129229**	P2B-GTM-211	**129431**	P2B-GT-15	**129937**	AN-GTM-15-211
	70mm	***136265***	*P2B-GTM-70M*			***129964***	*AN-GTM-15-70M*
216	2-15/16	**129230**	P2B-GTM-215	**129453**	P2B-GT-16	**129938**	AN-GTM-16-215
	3	**129231**	P2B-GTM-300			**129939**	AN-GTM-16-300
	75mm	***136266***	*P2B-GTM-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129232**	P2B-GTM-307	**129454**	P2B-GT-18	**129940**	AN-GTM-18-307
	3-1/2	**129233**	P2B-GTM-308			**129941**	AN-GTM-18-308
	85mm	***136267***	*P2B-GTM-85M*			***129966***	*AN-GTM-18-85M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X@	Z
211	1-15/16	12.3	1-59/64	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-15/16	3-27/64	2-1/2	45/64	1-7/32	3-15/16	7-7/8	13/16	3/16	1-11/32
	2	12.2																		
	50mm	*5.6*	*48.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*125.4*	*86.9*	*63.5*	*17.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*	*34.1*
212	2-3/16	17.5	2-7/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-3/8	3-11/16	2-3/4	49/64	1-11/32	4-1/4	8-1/2	7/8	3/16	1-15/32
	2-1/4	17.5																		
	55mm	*7.0*	*53.6*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*136.5*	*93.7*	*69.9*	*19.4*	*34.1*	*108.0*	*215.9*	*22.2*	*4.8*	*37.3*
214	2-7/16	19.4	2-25/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-5/64	4	3	7/8	1-33/64	4-7/8	9-3/4	15/16	3/16	1-19/32
	2-1/2	19.4																		
	60mm	*9.0*																		
	65mm	*8.9*	*60.7*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.4*	*101.6*	*76.2*	*22.2*	*38.5*	*123.8*	*247.7*	*23.8*	*4.8*	*40.5*
215	2-11/16	24.9	2-29/64	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-23/32	4-7/16	3-1/2	57/64	1-9/16	5-1/2	11	1-1/16	3/16	1-5/8
	70mm	*10.1*	*62.3*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*170.7*	*112.7*	*88.9*	*22.6*	*39.7*	*139.7*	*279.4*	*27.0*	*4.8*	*41.3*
216	2-15/16	25.4	2-11/16	11-3/4	3	8-1/2	9-1/2	7/8	1-7/16	1-1/4	6-31/32	4-11/16	3-1/2	29/32	1-55/64	5-1/2	11	1-3/32	3/16	1-5/8
	3																			
	75mm	*10.3*	*69.3*	*298.5*	*76.2*	*215.9*	*241.3*	*M22*	*36.5*	*31.8*	*177.0*	*119.1*	*88.9*	*23.0*	*47.2*	*139.7*	*279.4*	*27.8*	*4.8*	*41.3*
218	3-7/16	34.9	2-51/64	14	3-3/8	10-5/16	11-5/8	7/8	1-19/32	1-5/16	8	5-3/16	4	1	1-51/64	6-9/16	13-1/8	1-3/16	3/16	1-45/64
	3-1/2																			
	85mm	*14.1*	*71.0*	*355.6*	*85.7*	*261.9*	*295.3*	*M22*	*40.5*	*33.3*	*203.2*	*131.8*	*101.6*	*25.3*	*45.6*	*166.7*	*333.4*	*30.2*	*4.8*	*43.3*

#R & S dimensions will vary slightly depending on true shaft diameter

@ Only 1 pillow block can be dowel pinned per shaft

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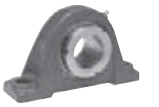
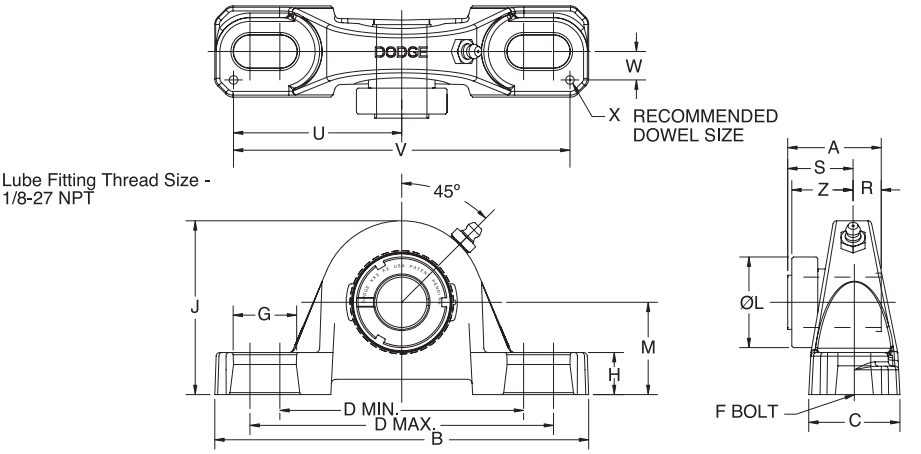
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	@	P2B-GTMAH-012	**129443**	P2B-GTAH-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**129234** @	P2B-GTMAH-100 *P2B-GTMAH-25M*	**129452**	P2B-GTUAH-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
206 *(GTMU)*	1 *25mm*	**129382** @	P2B-GTMUAH-100 *P2B-GTMUAH-25M*	**129386**	P2B-GTMUAH-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1-3/16 1-1/4 *30mm*	**129235** @ ***068871***	P2B-GTMAH-103 P2B-GTAH-104 *P2B-GTMAH-30M*	**129444**	P2B-GTAH-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**129236** ***065597***	P2B-GTMAH-107 *P2B-GTMAH-35M*	**129445**	P2B-GTAH-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 *40mm*	@ ***068662***	P2B-GTMAH-108 *P2B-GTMAH-40M*	**129446**	P2B-GTAH-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**129237** @ ***068680***	P2B-GTMAH-111 P2B-GTMAH-112 *P2B-GTMAH-45M*	**129447**	P2B-GTAH-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*
210 (GTMU)	1-11/16 1-3/4 *45mm*	**129384** @ @	P2B-GTMUAH-111 P2B-GTMUAH-112 *P2B-GTMUAH-45M*	**129388**	P2B-GTUAH-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*

@ Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X	Z
205	3/4	2.4	1-29/64	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-5/32	1-51/64	1-7/16	1/2	61/64	2-1/2	5	1/2	3/16	1-1/64
206	1	4.2	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-1/4	2-5/64	1-5/8	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	25mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*82.6*	*52.8*	*41.3*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
206 (GTMU)	1	4.2	1-39/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-5/16	2-5/64	1-3/4	17/32	1-5/64	2-7/8	5-3/4	9/16	3/16	1-1/8
	25mm	*1.7*	*40.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*84.1*	*52.8*	*44.5*	*13.5*	*27.4*	*73.0*	*146.1*	*14.3*	*4.8*	*28.6*
207	1-3/16 1-1/4	5.1	1-5/8	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-3/8	1-7/8	9/16	1-1/16	2-29/32	5-13/16	9/16	3/16	1-9/64
	30mm	*2.2*	*41.3*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*60.3*	*47.6*	*14.3*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*	*29.0*
208	1-7/16	7.2	1-27/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-5/8	2-1/8	21/32	1-3/16	3-17/64	6-17/32	11/16	3/16	1-15/64
	35mm	*2.7*	*46.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*66.7*	*54.0*	*16.7*	*30.2*	*82.9*	*165.9*	*17.5*	*4.8*	*31.4*
209	1-1/2	9.2	1-55/64	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	2-55/64	2-1/8	21/32	1-13/64	3-3/8	6-3/4	11/16	3/16	1-9/32
	40mm	*3.1*	*47.2*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*19.1*	*108.7*	*72.6*	*54.0*	*16.7*	*30.6*	*85.7*	*171.5*	*17.5*	*4.8*	*32.5*
210	1-11/16 1-3/4	10.1	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	3/4	4-17/32	3-1/8	2-1/4	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	45mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*115.1*	*79.375*	*57.2*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*
210 (GTMU)	1-11/16 1-3/4	10.1	1-55/64	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	13/16	4-19/32	3-1/8	2-5/16	21/32	1-13/64	3-11/16	7-3/8	13/16	3/16	1-9/32
	45mm	*3.9*	*47.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*116.7*	*79.375*	*58.7*	*16.7*	*30.6*	*93.7*	*187.3*	*20.6*	*4.8*	*32.5*

#R & S dimensions will vary slightly depending on true shaft diameter

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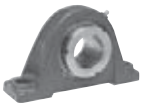
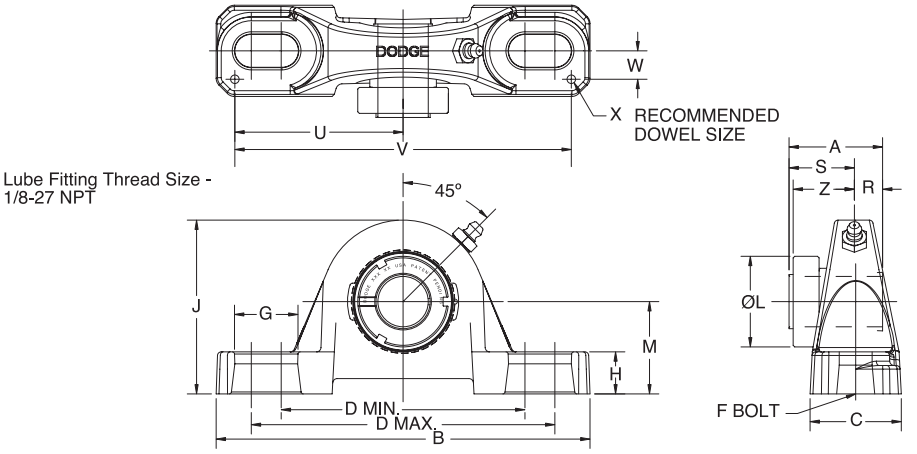
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**129238**	P2B-GTMAH-115	**129448**	P2B-GTAH-11	**129931**	AN-GTM-11-115
	2	@	P2B-GTMAH-200			**129932**	AN-GTM-11-200
	50mm	***065969***	*P2B-GTMAH-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129239**	P2B-GTMAH-203	**129449**	P2B-GTAH-12	**129933**	AN-GTM-12-203
	2-1/4	@	P2B-GTMAH-204			**129934**	AN-GTM-12-204
	55mm	***068673***	*P2B-GTMAH-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129240**	P2B-GTMAH-207	**129450**	P2B-GTAH-14	**129935**	AN-GTM-14-207
	2-1/2	**068865**	P2B-GTMAH-208			**129936**	AN-GTM-14-208
	65mm	***068682***	*P2B-GTMAH-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	**129241**	P2B-GTMAH-211	**129451**	P2B-GTAH-15	**129937**	AN-GTM-15-211
	70mm	***064684***	*P2B-GTMAH-70M*			***129964***	*AN-GTM-15-70M*
216	2-15/16	**129242**	P2B-GTMAH-215	**129455**	P2B-GTAH-16	**129938**	AN-GTM-16-215
	3	@	P2B-GTMAH-300			**129939**	AN-GTM-16-300
	75mm	***068329***	*P2B-GTMAH-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129243**	P2B-GTMAH-307	**129456**	P2B-GTAH-18	**129940**	AN-GTM-18-307
	3-1/2	@	P2B-GTMAH-308			**129941**	AN-GTM-18-308
	85mm	***068686***	*P2B-GTMAH-85M*			***129966***	*AN-GTM-18-85M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS

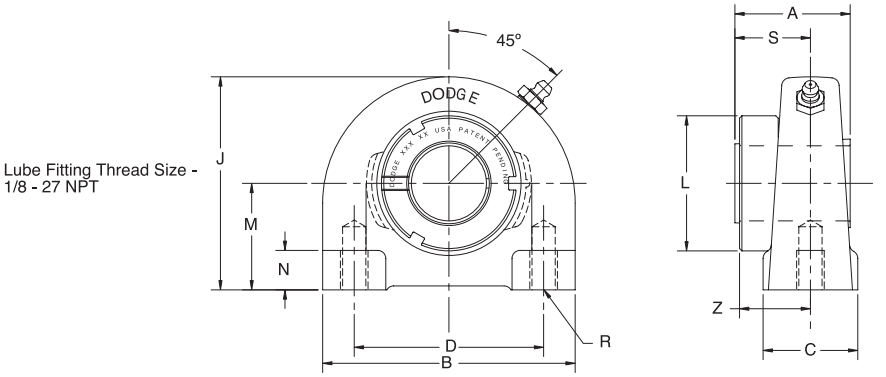
Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R#	S#	U	V	W	X	Z
211	1-15/16 2 50mm	12.3 5.6	1-59/64 48.8	8-7/8 225.4	2-5/16 58.7	6-3/8 161.9	7-7/16 188.9	5/8 M16	1-7/32 31.0	7/8 22.2	4-15/16 125.4	3-27/64 86.9	2-1/2 63.5	45/64 17.9	1-7/32 31.0	3-15/16 100.0	7-7/8 200.0	13/16 20.6	3/16 4.8	1-11/32 34.1
212	2-3/16 2-1/4 55mm	17.5 7.0	2-7/64 53.6	9-1/2 241.3	2-3/8 60.3	6-7/8 174.6	7-15/16 201.6	5/8 M16	1-7/32 31.0	7/8 22.2	5-3/8 136.5	3-11/16 93.7	2-3/4 69.9	49/64 19.4	1-11/32 34.1	4-1/4 108.0	8-1/2 215.9	7/8 22.2	3/16 4.8	1-15/32 37.3
214	2-7/16 2-1/2 65mm	19.4 8.9	2-25/64 60.7	10-3/4 273.1	2-11/16 68.3	7-1/2 190.5	8-1/2 215.9	3/4 M18	1-5/16 33.3	15/16 23.8	6-5/64 154.4	4 101.6	3 76.2	7/8 22.2	1-33/64 38.5	4-7/8 123.8	9-3/4 247.7	15/16 23.8	3/16 4.8	1-19/32 40.5
215	2-11/16 70mm	24.9 10.1	2-29/64 62.3	11-3/4 298.5	2-7/8 73.0	8-1/2 215.9	9-1/2 241.3	7/8 M22	1-7/16 36.5	1 25.4	6-23/32 170.7	4-7/16 112.7	3-1/2 88.9	57/64 22.6	1-9/16 39.7	5-1/2 139.7	11 279.4	1-1/16 27.0	3/16 4.8	1-5/8 41.3
216	2-15/16 3 75mm	25.4 10.3	2-11/16 68.3	11-3/4 298.5	3 76.2	8-1/2 215.9	9-1/2 241.3	7/8 M22	1-7/16 36.5	1-1/4 31.8	6-31/32 177.0	4-11/16 119.1	3-1/2 88.9	29/32 23.0	1-55/64 47.2	5-1/2 139.7	11 279.4	1-3/32 27.8	3/16 4.8	1-5/8 41.3
218	3-7/16 3-1/2 85mm	34.9 14.1	2-51/64 71.0	14 355.6	3-3/8 85.7	10-5/16 261.9	11-5/8 295.3	7/8 M22	1-19/32 40.5	1-5/16 33.3	8 203.2	5-3/16 131.8	4 101.6	1 25.3	1-51/64 45.6	6-9/16 166.7	13-1/8 333.4	1-3/16 30.2	3/16 4.8	1-45/64 43.3

#R & S dimensions will vary slightly depending on true shaft diameter

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129276**	TB-GT-012	**129457**	TB-GT-04	**129904**	AN-GT-04-012
	20mm	***136365***	*TB-GT-20M*	***136383***	*TB-GT-04M*	***129943***	*AN-GT-04-20M*
205	7/8	**129148**	TB-GT-014			**129905**	AN-GT-05-014
	15/16	**129277**	TB-GT-015	**129458**	TB-GT-05	**129906**	AN-GT-05-015
	1	**129278**	TB-GT-100			**129907**	AN-GT-05-100
	25mm	***136366***	*TB-GT-25M*	***136384***	*TB-GT-05M*	***129944***	*AN-GT-05-25M*
206	1-1/8	**129279**	TB-GT-102			**129908**	AN-GT-06-102
	1-3/16	**129280**	TB-GT-103	**129459**	TB-GT-06	**129909**	AN-GT-06-103
	1-1/4	**129281**	TB-GT-104S			**129910**	AN-GT-06-104S
	30mm	***136367***	*TB-GT-30M*	***136385***	*TB-GT-06M*	***129945***	*AN-GT-06-30M*
207	1-1/4	**129282**	TB-GT-104			**129911**	AN-GT-07-104
	1-3/8	**129283**	TB-GT-106	**129460**	TB-GT-07	**129912**	AN-GT-07-106
	1-7/16	**129284**	TB-GT-107			**129913**	AN-GT-07-107
	35mm	***136368***	*TB-GT-35M*	***136386***	*TB-GT-07M*	***129946***	*AN-GT-07-35M*
208	1-1/2	**129285**	TB-GT-108	**129461**	TB-GT-08	**129914**	AN-GT-08-108
	1-5/8	**@**	TB-GT-110			**129955**	AN-GT-08-110
	40mm	***136369***	*TB-GT-40M*	***136387***	*TB-GT-08M*	***129947***	*AN-GT-08-40M*
209	1-5/8	**129286**	TB-GT-110L			**129915**	AN-GT-09-110L
	1-11/16	**129287**	TB-GT-111	**129462**	TB-GT-09	**129916**	AN-GT-09-111
	1-3/4	**129288**	TB-GT-112			**129917**	AN-GT-09-112
	45mm	***136370***	*TB-GT-45M*	***136388***	*TB-GT-09M*	***129948***	*AN-GT-09-45M*
210	1-15/16	**129289**	TB-GT-115	**129463**	TB-GT-10	**129918**	AN-GT-10-115
	2	**129290**	TB-GT-200			**129919**	AN-GT-10-200
	50mm	***136371***	*TB-GT-50M*	***136389***	*TB-GT-10M*	***129949***	*AN-GT-10-50M*

@ Assemble to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY TAPPED BASE PILLOW BLOCKS

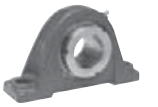
Series	Shaft Size	Weight lbs *kg*	A	B	C	D	J	L	M	N	R* UNC-Thread	S#	Z
204	3/4	1.9	1-15/32	2-7/8	1-1/2	2	2-9/16	1-1/2	1-5/16	1/2	3/8-16	63/64	1-3/64
	20mm	*0.9*	*37.3*	*73.0*	*38.1*	*50.8*	*65.1*	*38.1*	*33.3*	*12.7*	*M8 x 1.25*	*25.0*	*26.2*
205	7/8	2.1	1-29/64	3	1-1/2	2	2-13/16	1-51/64	1-7/16	1/2	3/8-16	61/64	1-1/64
	15/16	2.0											
	1	1.9											
	25mm	*1.0*	*36.9*	*76.2*	*38.1*	*50.8*	*71.4*	*45.6*	*36.5*	*12.7*	*M10 x 1.5*	*24.2*	*25.8*
206	1-1/8	3.6	1-39/64	4	1-1/2	3	3-3/8	2-5/64	1-11/16	5/8	7/16-14	1-5/64	1-1/8
	1-3/16	3.5											
	1-1/4	3.5											
	30mm	*1.7*	*40.9*	*101.6*	*38.1*	*76.2*	*85.7*	*52.8*	*42.9*	*15.9*	*M10 x 1.5*	*27.4*	*28.6*
207	1-1/4	4.7	1-5/8	4-1/4	1-7/8	3-1/4	3-3/4	2-3/8	1-7/8	3/4	1/2-13	1-1/16	1-9/64
	1-3/8	4.7											
	1-7/16	4.6											
	35mm	*2.3*	*41.3*	*108.0*	*47.6*	*82.6*	*95.3*	*60.3*	*47.6*	*19.1*	*M10 x 1.5*	*27.0*	*29.0*
208	1-1/2	6.2	1-55/64	4-5/8	1-7/8	3-1/2	3-15/16	2-5/8	1-15/16	3/4	1/2-13	1-3/16	1-15/64
	1-5/8	6.1											
	40mm	*3.0*	*47.2*	*117.5*	*47.6*	*88.9*	*100.0*	*66.7*	*49.2*	*19.1*	*M12 x 1.75*	*30.2*	*31.4*
209	1-5/8	6.7	1-27/32	5	2	3-3/4	4-1/4	2-55/64	2-1/8	3/4	1/2-13	1-3/16	1-9/32
	1-11/16	6.7											
	1-3/4	6.6											
	45mm	*3.2*	*46.8*	*127.0*	*50.8*	*95.3*	*108.0*	*72.6*	*54.0*	*19.1*	*M12 x 1.75*	*30.2*	*32.5*
210	1-15/16	8.6	1-55/64	5-1/2	2	4	4-5/8	3-1/8	2-1/4	7/8	5/8-11	1-13/64	1-9/32
	2	8.5											
	50mm	*4.2*	*47.2*	*139.7*	*50.8*	*101.6*	*117.5*	*79.4*	*57.2*	*22.2*	*M16 x 2*	*30.6*	*32.5*

#S dimension will vary slightly depending on true shaft diameter

* Mounting surface bolt holes on all GRIP TIGHT Tapped Base Units must have at least 1/16" bolt clearance

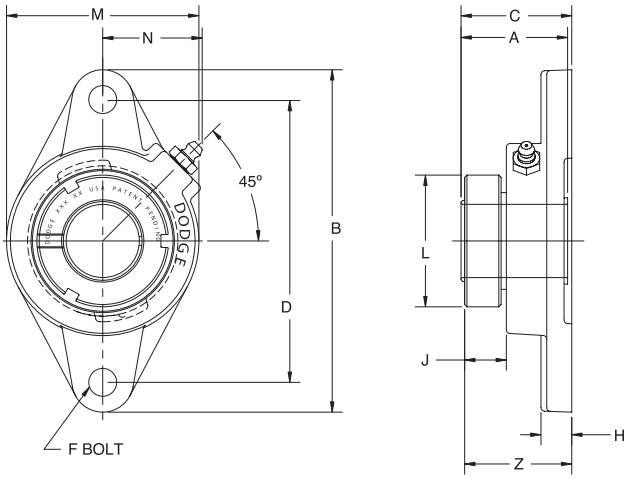
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 2 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4 - 28 Tapered Thread
204 Series and Larger - 1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**129301**	F2B-GT-008	**129490**	F2B-GT-03	**129902**	AN-GT-03-008
	5/8	**129302**	F2B-GT-010			**129903**	AN-GT-03-010
	17mm	***129321***	*F2B-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**129303**	F2B-GT-012	**129491**	F2B-GT-04	**129904**	AN-GT-04-012
	20mm	***129322***	*F2B-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**129304**	F2B-GT-014	**129492**	F2B-GT-05	**129905**	AN-GT-05-014
	15/16	**129305**	F2B-GT-015			**129906**	AN-GT-05-015
	1	**129306**	F2B-GT-100			**129907**	AN-GT-05-100
	25mm	***129323***	*F2B-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**129307**	F2B-GT-102	**129493**	F2B-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129308**	F2B-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129309**	F2B-GT-104S			**129910**	AN-GT-06-104S
	30mm	***129324***	*F2B-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**129310**	F2B-GT-104	**129494**	F2B-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129311**	F2B-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129312**	F2B-GT-107			**129913**	AN-GT-07-107
	35mm	***129325***	*F2B-GT-35M*			***129946***	*AN-GT-07-35M*

@ Assembled to order.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

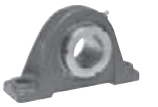
GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	M	N	Z
203	1/2 5/8 *17mm*	0.9 0.8 *0.3*	1-19/64 *32.9*	3-7/8 *98.4*	1-27/64 *36.1*	3 *76.2*	3/8 *M10*	3/8 *9.5*	39/64 *15.5*	1-13/32 *35.7*	2-1/8 *54.0*	1-1/8 *28.6*	1-29/64 *36.9*
204	3/4 *20mm*	1.7 *0.6*	1-15/32 *37.3*	4-13/32 *111.9*	1-39/64 *40.9*	3-17/32 *89.7*	3/8 *M10*	1/2 *12.7*	11/16 *17.5*	1-1/2 *38.1*	2-3/8 *60.3*	1-1/2 *38.1*	1-43/64 *42.5*
205	7/8 15/16 1 *25mm*	2.0 1.9 1.8 *0.8*	1-29/64 *36.9*	4-7/8 *123.8*	1-35/64 *39.3*	3-57/64 *98.8*	7/16 *M10*	1/2 *12.7*	21/32 *16.7*	1-51/64 *45.6*	2-3/4 *69.9*	1-7/16 *36.5*	1-39/64 *40.9*
206	1-1/8 1-3/16 1-1/4 *30mm*	2.8 2.7 2.5 *1.3*	1-39/64 *40.9*	5-9/16 *141.3*	1-45/64 *43.3*	4-19/32 *116.7*	7/16 *M10*	1/2 *12.7*	11/16 *17.5*	2-5/64 *52.8*	3-1/8 *79.4*	1-9/16 *39.7*	1-3/4 *44.5*
207	1-1/4 1-3/8 1-7/16 *35mm*	4.3 4.1 3.9 *1.9*	1-5/8 *41.3*	6-1/8 *155.6*	1-25/32 *45.2*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	41/64 *16.3*	2-3/8 *60.3*	3-3/4 *95.3*	1-27/32 *46.8*	1-55/64 *47.2*

#C dimension will vary slightly depending on true shaft diameter.

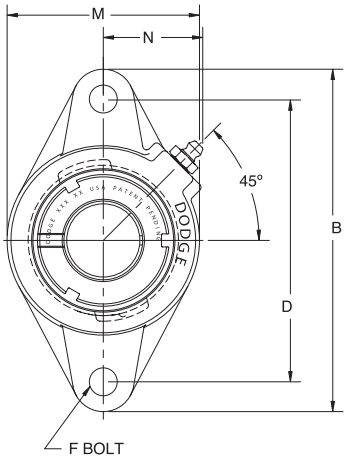
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

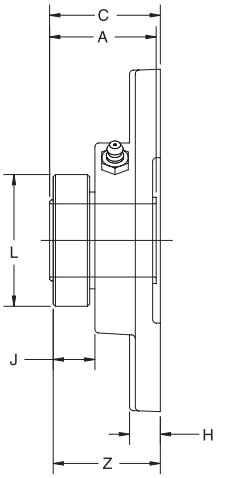
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 2 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4 - 28 Tapered Thread
204 Series and Larger - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**129313**	F2B-GT-108	**129495**	F2B-GT-08	**129914**	AN-GT-08-108
	1-5/8	**129373**	F2B-GT-110			**129955**	AN-GT-01-110
	40mm	***129326***	*F2B-GT-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129314**	F2B-GT-110L	**129496**	F2B-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**129315**	F2B-GT-111			**129916**	AN-GT-09-111
	1-3/4	**129316**	F2B-GT-112			**129917**	AN-GT-09-112
	45mm	***129327***	*F2B-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129317**	F2B-GT-115	**129497**	F2B-GT-10	**129918**	AN-GT-10-115
	2	**129318**	F2B-GT-200			**129919**	AN-GT-10-200
	50mm	***129328***	*F2B-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**129337**	F2B-GTM-200	**129498**	F2B-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**129319**	F2B-GT-203			**129920**	AN-GT-11-203
	2-1/4	**129378**	F2B-GT-204			**129956**	AN-GT-11-204
	55mm	***129329***	*F2B-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**064472**	F2B-GTM-204	**129078**	F2B-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**064211**	F2B-GT-207			**129921**	AN-GT-12-207
	60mm	***068861***	*F2B-GT-60M*			***129951***	*AN-GT-12-60M*

@ Assembled to order.

DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	M	N	Z
208	1-1/2	5.0	1-27/32	6-3/4	1-31/32	5-21/32	1/2	9/16	43/64	2-5/8	4-1/8	1-53/64	2-7/32
	1-5/8	4.8											
	40mm	*2.3*	*46.8*	*171.5*	*50.0*	*143.7*	*M12*	*14.3*	*17.1*	*66.7*	*104.8*	*46.4*	*56.4*
209	1-5/8	6.2	1-55/64	7-1/16	2	5-27/32	1/2	5/8	11/16	2-55/64	4-3/8	1-29/32	2-3/32
	1-11/16	6.1											
	1-3/4	6.0											
	45mm	*2.7*	*47.2*	*179.4*	*50.8*	*148.4*	*M12*	*15.9*	*17.5*	*72.6*	*111.1*	*48.4*	*53.2*
210	1-15/16	6.9	1-55/64	7-7/16	2-3/64	6-3/16	1/2	5/8	21/32	3-1/8	4-9/16	2-1/32	2-1/8
	2	6.8											
	50mm	*3.2*	*47.2*	*188.9*	*52.0*	*157.2*	*M12*	*15.9*	*16.7*	*79.4*	*115.9*	*51.6*	*54.0*
211	2	8.0	1-59/64	8-5/8	2-5/32	7-1/4	5/8	11/16	11/16	3-27/64	5-1/4	2-17/64	2-9/32
	2-3/16	7.9											
	2-1/4	7.8											
	55mm	*3.7*	*48.8*	*219.1*	*54.8*	*184.2*	*M16*	*17.5*	*17.5*	*86.9*	*133.4*	*57.5*	*57.9*
212	2-1/4	9.3	2-7/64	9-13/16	2-5/16	7-61/64	7/8	13/16	23/32	3-11/16	5-1/2	2-15/32	2-7/16
	2-7/16	9.2											
	60mm	*4.5*	*53.6*	*249.2*	*58.7*	*202.0*	*M22*	*20.6*	*18.3*	*93.7*	*139.7*	*62.7*	*61.9*

#C dimension will vary slightly depending on true shaft diameter.

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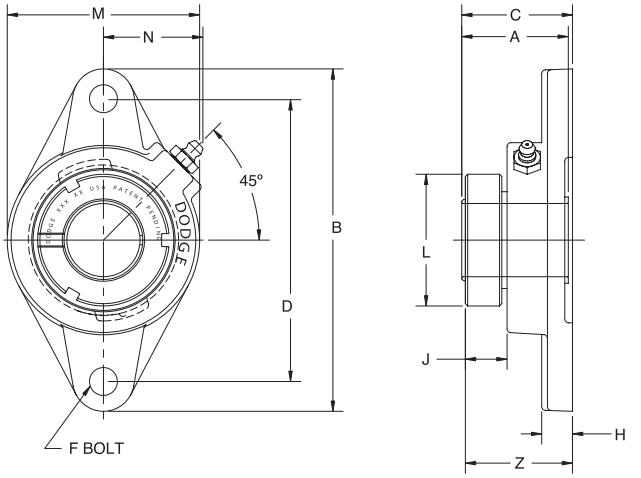
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 2 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4 - 28 Tapered Thread
204 Series and Larger - 1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	@	F2B-GTAH-008	**129499**	F2B-GTAH-03	**129902**	AN-GT-03-008
	5/8	**129320**	F2B-GTAH-010			**129903**	AN-GT-03-010
	17mm	@	*F2B-GTAH-17M*			***129942***	*AN-GT-03-17M*
204	3/4	@	F2B-GTAH-012	@	F2B-GTAH-04	**129904**	AN-GT-04-012
	20mm	@	*F2B-GTAH-20M*			***129943***	*AN-GT-04-20M*
205	7/8	@	F2B-GTAH-014	@	F2B-GTAH-05	**129905**	AN-GT-05-014
	15/16	@	F2B-GTAH-015			**129906**	AN-GT-05-015
	1	@	F2B-GTAH-100			**129907**	AN-GT-05-100
	25mm	@	*F2B-GTAH-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	@	F2B-GTAH-102	**064079**	F2B-GTAH-06	**129908**	AN-GT-06-102
	1-3/16	@	F2B-GTAH-103			**129909**	AN-GT-06-103
	1-1/4	@	F2B-GTAH-104S			**129910**	AN-GT-06-104S
	30mm	@	*F2B-GTAH-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	@	F2B-GTAH-104	**129500**	F2B-GTAH-07	**129911**	AN-GT-07-104
	1-3/8	@	F2B-GTAH-106			**129912**	AN-GT-07-106
	1-7/16	@	F2B-GTAH-107			**129913**	AN-GT-07-107
	35mm	@	*F2B-GTAH-35M*			***129946***	*AN-GT-07-35M*

@ Assembled to order.

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DODGE®

GRIP TIGHT Adapter Ball Bearings

GTAH AIR HANDLING NORMAL DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	M	N	Z
203	1/2	0.9	1-19/64	3-7/8	1-27/64	3	3/8	3/8	39/64	1-13/32	2-1/8	1-1/8	1-29/64
	5/8	0.8											
	17mm	*0.3*	*32.9*	*98.4*	*36.1*	*76.2*	*M10*	*9.5*	*15.5*	*35.7*	*54.0*	*28.6*	*36.9*
204	3/4	1.7	1-15/32	4-13/32	1-39/64	3-17/32	3/8	1/2	11/16	1-1/2	2-3/8	1-1/2	1-43/64
	20mm	*0.6*	*37.3*	*111.9*	*40.9*	*89.7*	*M10*	*12.7*	*17.5*	*38.1*	*60.3*	*38.1*	*42.5*
205	7/8	2.0	1-29/64	4-7/8	1-35/64	3-57/64	7/16	1/2	21/32	1-51/64	2-3/4	1-7/16	1-39/64
	15/16	1.9											
	1	1.8											
	25mm	*0.8*	*36.9*	*123.8*	*39.3*	*98.8*	*M10*	*12.7*	*42.1*	*45.6*	*69.9*	*36.5*	*40.9*
206	1-1/8	2.8	1-39/64	5-9/16	1-45/64	4-19/32	7/16	1/2	11/16	2-5/64	3-1/8	1-9/16	1-3/4
	1-3/16	2.7											
	1-1/4	2.5											
	30mm	*1.3*	*40.9*	*141.3*	*43.3*	*116.7*	*M10*	*12.7*	*17.5*	*52.8*	*79.4*	*39.7*	*44.5*
207	1-1/4	4.3	1-5/8	6-1/8	1-25/32	5-1/8	1/2	9/16	41/64	2-3/8	3-3/4	1-27/32	1-55/64
	1-3/8	4.1											
	1-7/16	3.9											
	35mm	*1.9*	*41.3*	*155.6*	*45.2*	*130.2*	*M12*	*14.3*	*16.3*	*60.3*	*95.3*	*46.8*	*47.2*

#C dimension will vary slightly depending on true shaft diameter.

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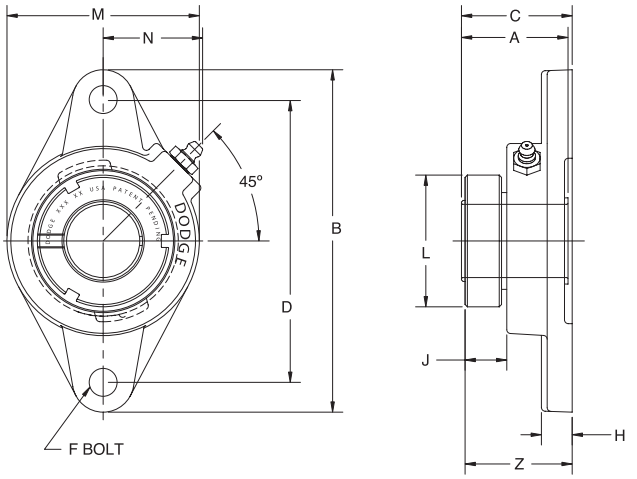
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings

GTAH AIR HANDLING NORMAL DUTY 2 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4 - 28 Tapered Thread
204 Series and Larger - 1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	@	F2B-GTAH-108	@	F2B-GTAH-08	**129914**	AN-GT-08-108
	1-5/8	@	F2B-GTAH-110			**129955**	AN-GT-08-110
	40mm	*@*	*F2B-GTAH-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	@	F2B-GTAH-110L	@	F2B-GTAH-09	**129915**	AN-GT-09-110L
	1-11/16	@	F2B-GTAH-111			**129916**	AN-GT-09-111
	1-3/4	@	F2B-GTAH-112			**129917**	AN-GT-09-112
	45mm	*@*	*F2B-GTAH-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	@	F2B-GTAH-115	@	F2B-GTAH-10	**129918**	AN-GT-10-115
	2	@	F2B-GTAH-200			**129919**	AN-GT-10-200
	50mm	*@*	*F2B-GTAH-50M*			***129949***	*AN-GT-10-50M*
211	2	@	F2B-GTMAH-200	@	F2B-GTAH-11	**129932**	AN-GTM-11-200
	2-3/16	@	F2B-GTAH-203			**129920**	AN-GT-11-203
	2-1/4	@	F2B-GTAH-204			**129956**	AN-GT-11-204
	55mm	*@*	*F2B-GTAH-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	@	F2B-GTMAH-204	@	F2B-GTAH-12	**129934**	AN-GTM-12-204
	2-7/16	@	F2B-GTAH-207			**129921**	AN-GT-12-207
	60mm	*@*	*F2B-GTAH-60M*			***129951***	*AN-GT-12-60M*

@ Assembled to order.

GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	M	N	Z
208	1-1/2 1-5/8 *40mm*	5.0 4.8 *2.3*	1-27/32 *46.8*	6-3/4 *171.5*	1-31/32 *50.0*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	43/64 *17.1*	2-5/8 *66.7*	4-1/8 *104.8*	1-53/64 *46.4*	2-7/32 *56.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.2 6.1 6.0 *2.7*	1-55/64 *47.2*	7-1/16 *179.4*	2 *50.8*	5-27/32 *148.4*	1/2 *M12*	5/8 *15.9*	11/16 *17.5*	2-55/64 *72.6*	4-3/8 *111.1*	1-29/32 *48.4*	2-3/32 *53.2*
210	1-15/16 2 *50mm*	6.9 6.8 *3.2*	1-55/64 *47.2*	7-7/16 *188.9*	2-3/64 *52.0*	6-3/16 *157.2*	1/2 *M12*	5/8 *15.9*	21/32 *16.7*	3-1/8 *79.4*	4-9/16 *115.9*	2-1/32 *51.6*	2-1/8 *54.0*
211	2 2-3/16 2-1/4 *55mm*	8.0 7.9 7.8 *3.7*	1-59/64 *48.8*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	11/16 *17.5*	3-27/64 *86.9*	5-1/4 *133.4*	2-17/64 *57.5*	2-9/32 *57.9*
212	2-1/4 2-7/16 *60mm*	9.3 9.2 *4.5*	2-7/64 *53.6*	9-13/16 *249.2*	2-5/16 *58.7*	7-61/64 *202.0*	7/8 *M22*	13/16 *20.6*	23/32 *18.3*	3-11/16 *93.7*	5-1/2 *139.7*	2-15/32 *62.7*	2-7/16 *61.9*

#C dimension will vary slightly depending on true shaft diameter.

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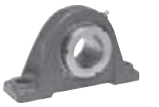
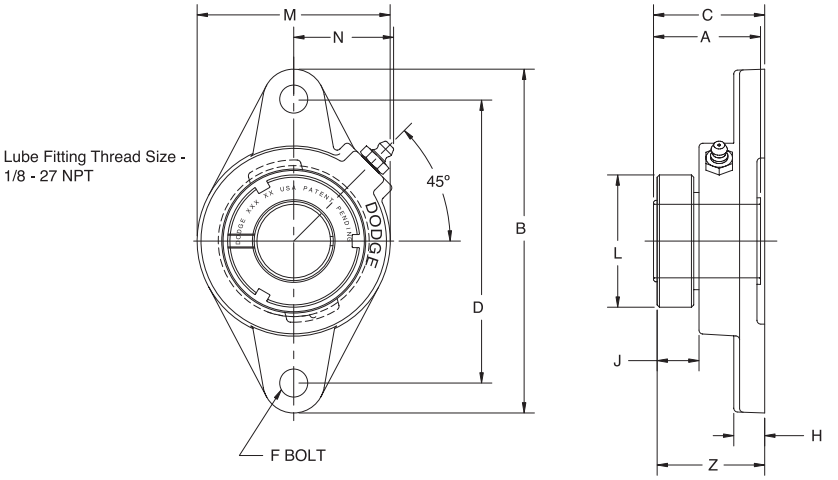
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 2 BOLT FLANGE BEARINGS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**129369**	F2B-GTM-012	**129492**	F2B-GT-05	**129924**	AN-GTM-05-012
206	1	**129330**	F2B-GTM-100	**129493**	F2B-GT-06	**129925**	AN-GTM-06-100
	25mm	***136268***	*F2B-GTM-25M*			***129957***	*AN-GTM-06-25M*
207	1-3/16	**129331**	F2B-GTM-103	**129494**	F2B-GT-07	**129926**	AN-GTM-07-103
	1-1/4	**129310**	F2B-GT-104			**129911**	AN-GT-07-104
	30mm	***136269***	*F2B-GTM-30M*			***129954***	*AN-GTM-07-30M*
208	1-7/16	**129332**	F2B-GTM-107	**129495**	F2B-GT-08	**129927**	AN-GTM-08-107
	35mm	***136270***	*F2B-GTM-35M*			***129958***	*AN-GTM-08-35M*
209	1-1/2	**129333**	F2B-GTM-108	**129496**	F2B-GT-09	**129928**	AN-GTM-09-108
	1-5/8	**129314**	F2B-GT-110L				
	40mm	***136271***	*F2B-GTM-40M*			***129959***	*AN-GTM-09-40M*
210	1-11/16	**129334**	F2B-GTM-111	**129497**	F2B-GT-10	**129929**	AN-GTM-10-111
	1-3/4	**129335**	F2B-GTM-112			**129930**	AN-GTM-10-112
	45mm	***136272***	*F2B-GTM-405M*			***129960***	*AN-GTM-10-45M*
211	1-15/16	**129336**	F2B-GTM-115	**129498**	F2B-GT-11	**129931**	AN-GTM-11-115
	2	**129337**	F2B-GTM-200			**129932**	AN-GTM-11-200
	50mm	***136273***	*F2B-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**@**	F2B-GTM-203	**129078**	F2B-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**064472**	F2B-GTM-204			**129934**	AN-GTM-12-204
	55mm	***136274***	*F2B-GTM-55M*			**129962**	*AN-GTM-12-55M*

@ Assembled to order.

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GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	M	N	Z
205	3/4	2.1	1-29/64	4-7/8	1-35/64	3-57/64	7/16	1/2	19/32	1-51/64	2-3/4	1-7/16	1-39/64
206	1	2.9	1-39/64	5-9/16	1-45/64	4-19/32	7/16	1/2	19/32	2-5/64	3-1/8	1-9/16	1-3/4
	25mm	*1.4*	*40.9*	*141.3*	*43.3*	*116.7*	*M12*	*12.7*	*15.1*	*52.8*	*79.4*	*39.7*	*44.5*
207	1-3/16 1-1/4	4.4 4.3	1-5/8	6-1/8	1-25/32	5-1/8	1/2	9/16	35/64	2-3/8	3-3/4	1-27/32	1-55/64
	30mm	*2.1*	*41.3*	*155.6*	*45.2*	*130.2*	*M12*	*14.3*	*13.9*	*60.3*	*95.3*	*46.8*	*47.2*
208	1-7/16	5.1	1-27/32	6-3/4	1-31/32	5-21/32	1/2	9/16	37/64	2-5/8	4-1/8	1-53/64	2-7/32
	35mm	*2.5*	*46.8*	*171.5*	*50.0*	*143.7*	*M12*	*14.3*	*14.7*	*66.7*	*104.8*	*46.4*	*56.4*
209	1-1/2 1-5/8	6.3 6.2	1-55/64	7-1/16	2	5-27/32	1/2	5/8	9/16	2-55/64	4-3/8	1-29/32	2-3/32
	40mm	*3.1*	*47.2*	*179.4*	*50.8*	*148.4*	*M12*	*15.9*	*14.3*	*72.6*	*111.1*	*48.4*	*53.2*
210	1-11/16 1-3/4	7.0 6.9	1-55/64	7-7/16	2-3/64	6-3/16	1/2	5/8	17/32	3-1/8	4-9/16	2-1/32	2-1/8
	45mm	*3.4*	*47.2*	*188.9*	*52.0*	*157.2*	*M12*	*15.9*	*13.5*	*79.4*	*115.9*	*51.6*	*54.0*
211	1-15/16 2	8.1 8.0	1-59/64	8-5/8	2-5/32	7-1/4	5/8	11/16	17/32	3-27/64	5-1/4	2-17/64	2-9/32
	50mm	*3.9*	*48.8*	*219.1*	*54.8*	*184.2*	*M16*	*17.5*	*13.5*	*86.9*	*133.4*	*57.5*	*57.9*
212	2-3/16 2-1/4	9.4 9.3	2-7/64	9-13/16	2-5/16	7-61/64	7/8	13/16	9/16	3-11/16	5-1/2	2-15/32	2-7/16
	55mm	*4.6*	*53.6*	*249.2*	*58.7*	*202.0*	*M22*	*20.6*	*14.3*	*93.7*	*139.7*	*62.7*	*61.9*

#C dimension will vary slightly depending on true shaft diameter.

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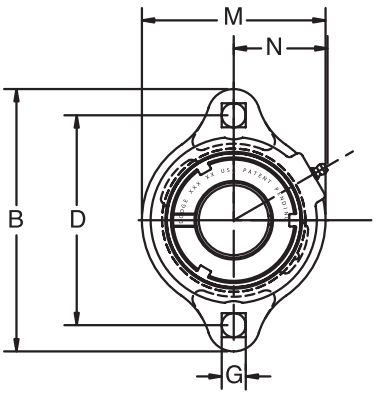
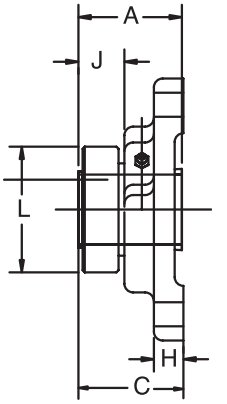
SELECTION/DIMENSIONS

DODGE®

GRIP TIGHT Adapter Ball Bearings
GT LFT NORMAL DUTY 2 BOLT FLANGE BEARINGS





Lube fitting thread size -
203 - 204 Series - 1/4-28 tapered thread
205 - 207 Series - 1/8 - 27 NPT

Series	Shaft Size	Complete Unit		Unit without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**136331**	LFT-GT-008	**136355**	LFT-GT-03	**129902**	AN-GT-03-008
	5/8	**136332**	LFT-GT-010			**129903**	AN-GT-03-010
	17mm	*@*	*LFT-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**136333**	LFT-GT-012	**136356**	LFT-GT-04	**129904**	AN-GT-04-012
	20mm	***068878***	*LFT-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**136334**	LFT-GT-014	**136357**	LFT-GT-05	**129905**	AN-GT-05-014
	15/16	**136335**	LFT-GT-015			**129906**	AN-GT-05-015
	1	**136336**	LFT-GT-100			**129907**	AN-GT-05-100
	25mm	***068685***	*LFT-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**136337**	LFT-GT-102	**136358**	LFT-GT-06	**129908**	AN-GT-06-102
	1-3/16	**136338**	LFT-GT-103			**129909**	AN-GT-06-103
	1-1/4	**136339**	LFT-GT-104S			**129910**	AN-GT-06-104S
	30mm	*@*	*LFT-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**136340**	LFT-GT-104	**136359**	LFT-GT-07	**129911**	AN-GT-07-104
	1-3/8	**136341**	LFT-GT-106			**129912**	AN-GT-07-106
	1-7/16	**136342**	LFT-GT-107			**129913**	AN-GT-07-107
	35mm	*@*	*LFT-GT-35M*			***129946***	*AN-GT-07-35M*

@ Assembled to order.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

GRIP TIGHT Adapter Ball Bearings
GT LFT NORMAL DUTY 2 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	G	H	J	L	M	N*
203	1/2	0.70	1-19/64	3-3/16	1-19/64	2-1/2	9/32	3/8	39/64	1-13/32	2-1/8	1-15/64
	5/8	0.65										
	17mm	*0.31*	*32.9*	*81.0*	*32.9*	*63.5*	*7.5*	*9.5*	*15.5*	*35.7*	*54.0*	*31.4*
204	3/4	0.91	1-15/32	3-9/16	1-15/32	2-13/16	11/32	27/64	5/8	1-1/2	2-3/8	1-11/32
	20mm	*0.40*	*37.6*	*90.5*	*37.3*	*71.4*	*8.7*	*10.7*	*15.9*	*38.1*	*60.3*	*34.1*
205	7/8	1.07	1-29/64	3-3/4	1-7/16	3	11/32	27/64	19/32	1-51/64	2-5/8	1-7/16
	15/16	1.02										
	1	0.97										
	25mm	*0.43*	*36.9*	*95.3*	*36.5*	*76.2*	*8.7*	*30.2*	*15.1*	*45.6*	*66.7*	*36.5*
206	1-1/8	1.63	1-39/64	4-7/16	1-5/8	3-9/16	13/32	15/32	19/32	2-5/64	3-1/4	1-23/32
	1-3/16	1.53										
	1-1/4	1.48										
	30mm	*0.67*	*40.9*	*112.7*	*41.3*	*90.5*	*10.3*	*11.9*	*15.1*	*52.8*	*82.6*	*43.7*
207	1-1/4	1.99	1-5/8	4-13/16	1-36/64	3-15/16	13/32	1/2	35/64	2-3/8	3-1/2	1-53/64
	1-3/8	1.89										
	1-7/16	1.84										
	35mm	*0.83*	*41.3*	*122.2*	*40.9*	*100.0*	*10.3*	*12.7*	*13.9*	*60.3*	*88.9*	*46.4*

#C dimension will vary slightly depending on true shaft diameter

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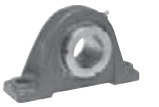
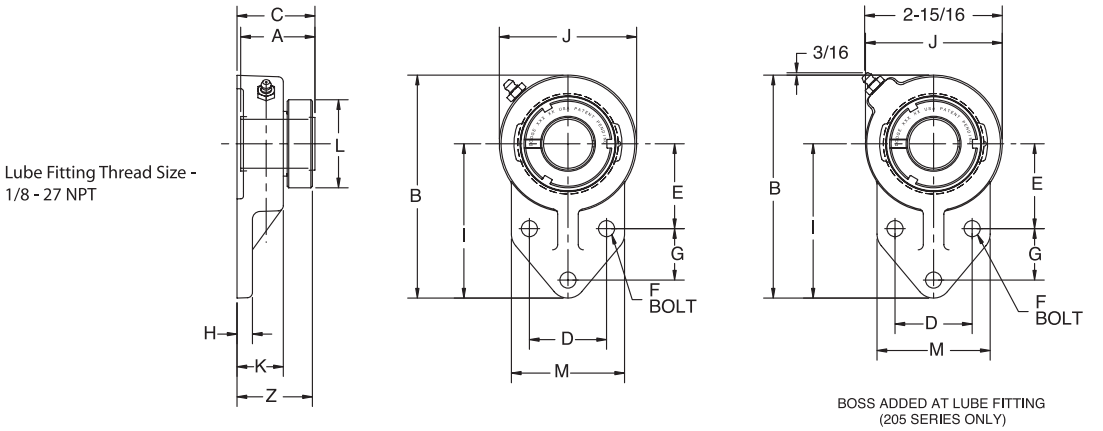
SELECTION/DIMENSIONS

DODGE®



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY FLANGED BRACKETED BEARINGS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**129615**	FB-GT-012	**129511**	FB-GT-04	**129904**	AN-GT-04-012
205	7/8	**129616**	FB-GT-014	**129512**	FB-GT-05	**129905**	AN-GT-05-014
	15/16	**129617**	FB-GT-015			**129906**	AN-GT-05-015
	1	**129618**	FB-GT-100			**129907**	AN-GT-05-100
206	1-1/8	**129619**	FB-GT-102	**129513**	FB-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129620**	FB-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129621**	FB-GT-104S			**129910**	AN-GT-06-104S
207	1-1/4	**129622**	FB-GT-104	**129514**	FB-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129623**	FB-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129624**	FB-GT-107			**129913**	AN-GT-07-107
210	1-15/16	**129625**	FB-GT-115	**129515**	FB-GT-10	**129918**	AN-GT-10-115
	2	**129626**	FB-GT-200			**129919**	AN-GT-10-200

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY FLANGED BRACKETED BEARINGS

Series	Shaft Size	Weight lbs	A	B	C#	D	E	F Bolt Dia.	G	H	I	J	K	L	M	Z
204	3/4	1.3	1-15/32	4-1/4	1-19/32	1-1/2	1-11/16	3/8	7/8	5/16	3	2-1/2	63/64	1-1/2	2-3/8	1-21/2
205	7/8 15/16 1	2.3	1-29/64	4-3/4	1-11/16	1-5/8	1-13/16	3/8	1-1/8	3/8	3-3/8	2-3/4	1-7/64	1-51/64	2-1/2	1-3/4
206	1-1/8 1-3/16 1-1/4	3.2 3.2 3.1	1-39/64	5-3/8	1-25/32	1-7/8	2-1/16	3/8	1-1/4	3/8	3-3/4	3-1/4	1-1/8	2-5/64	2-3/4	1-53/64
207	1-1/4 1-3/8 1-7/16	3.4 3.4 3.4	1-5/8	6-1/8	1-57/64	2	2-3/8	1/2	1-1/4	1/2	4-1/4	3-3/4	1-5/16	2-3/8	3-1/4	1-31/32
210	1-15/16 2	5.7 5.6	1-55/64	7-1/2	2-5/64	2-3/4	2-15/16	1/2	1-5/8	1/2	5-3/16	4-5/8	1-1/2	3-1/8	4	2-5/32

#C dimension will vary slightly depending on true shaft diameter.

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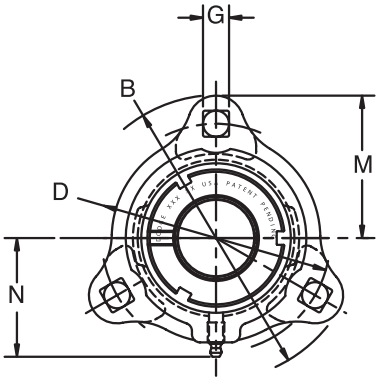
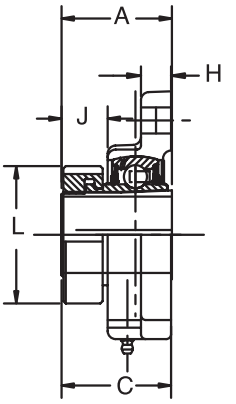
SELECTION/DIMENSIONS

DODGE®

GRIP TIGHT Adapter Ball Bearings
GT LF NORMAL DUTY 3 BOLT FLANGE BEARINGS





Lube fitting thread size -
203 - 204 Series - 1/4-28 tapered thread
205 - 207 Series - 1/8 - 27 NPT

Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**136343**	LF-GT-008	**136360**	LF-GT-03	**129902**	AN-GT-03-008
	5/8	**136344**	LF-GT-010			**129903**	AN-GT-03-010
	17mm	*@*	*LF-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**136345**	LF-GT-012	**136361**	LF-GT-04	**129904**	AN-GT-04-012
	20mm	*@*	*LF-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**136346**	LF-GT-014	**136362**	LF-GT-05	**129905**	AN-GT-05-014
	15/16	**136347**	LF-GT-015			**129906**	AN-GT-05-015
	1	**136348**	LF-GT-100			**129907**	AN-GT-05-100
	25mm	*@*	*LF-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**136349**	LF-GT-102	**136363**	LF-GT-06	**129908**	AN-GT-06-102
	1-3/16	**136350**	LF-GT-103			**129909**	AN-GT-06-103
	1-1/4	**136351**	LF-GT-104S			**129910**	AN-GT-06-104S
	30mm	*@*	*LF-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**136352**	LF-GT-104	**136364**	LF-GT-07	**129911**	AN-GT-07-104
	1-3/8	**136353**	LF-GT-106			**129912**	AN-GT-07-106
	1-7/16	**136354**	LF-GT-107			**129913**	AN-GT-07-107
	35mm	*@*	*LF-GT-35M*			***129946***	*AN-GT-07-35M*

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DODGE®

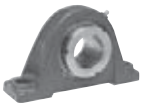
GRIP TIGHT Adapter Ball Bearings
GT LF NORMAL DUTY 3 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	G	H	J	L	M	N*
203	1/2 5/8 *17mm*	0.75 0.70 *0.33*	1-19/64 *32.9*	3-3/16 *81.0*	1-19/64 *32.9*	2-1/2 *63.5*	9/32 *7.1*	3/8 *9.5*	39/64 *15.5*	1-13/32 *35.7*	1-19/32 *40.5*	1-7/8 *47.6*
204	3/4 *20mm*	0.95 *0.42*	1-15/32 *37.3*	3-9/16 *90.5*	1-15/32 *37.3*	2-13/16 *71.4*	23/64 *9.1*	27/64 *10.7*	5/8 *15.9*	1-1/2 *38.1*	1-25/32 *45.2*	1-39/64 *40.9*
205	7/8 15/16 1 *25mm*	1.22 1.17 1.12 *0.52*	1-29/64 *36.9*	3-3/4 *95.3*	1-7/16 *36.5*	3 *76.2*	11/32 *8.7*	27/64 *10.7*	19/32 *15.1*	1-51/64 *45.6*	1-7/8 *47.6*	1-47/64 *44.1*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.78 1.68 1.63 *0.74*	1-39/64 *40.9*	4-7/16 *112.7*	1-5/8 *41.3*	3-9/16 *90.5*	13/32 *10.3*	15/32 *11.9*	19/32 *15.1*	2-5/64 *52.8*	2-7/32 *56.4*	2-3/64 *52.0*
207	1-1/4 1-3/8 1-7/16 *35mm*	2.24 2.14 2.09 *0.95*	1-5/8 *41.3*	4-13/16 *122.2*	1-39/64 *40.9*	3-15/16 *100.0*	13/32 *10.3*	1/2 *12.7*	35/64 *13.9*	2-3/8 *60.3*	2-13/32 *61.1*	2-11/64 *55.2*

C dimension will vary slightly depending on true shaft diameter

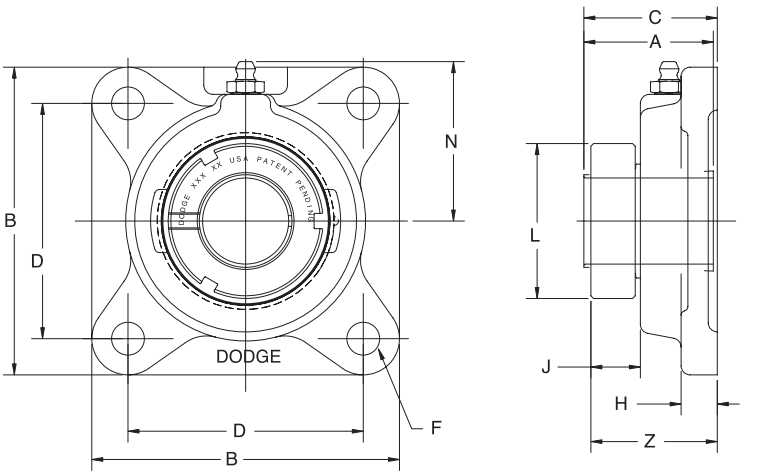
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Larger - 1/8-27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**129637**	F4B-GT-008	**129464**	F4B-GT-03	**129902**	AN-GT-03-008
	5/8	**129638**	F4B-GT-010			**129903**	AN-GT-03-010
	17mm	***129667***	*F4B-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**129639**	F4B-GT-012	**129465**	F4B-GT-04	**129904**	AN-GT-04-012
	20mm	***129668***	*F4B-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**129640**	F4B-GT-014	**129466**	F4B-GT-05	**129905**	AN-GT-05-014
	15/16	**129641**	F4B-GT-015			**129906**	AN-GT-05-015
	1	**129642**	F4B-GT-100			**129907**	AN-GT-05-100
	25mm	***129669***	*F4B-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**129643**	F4B-GT-102	**129467**	F4B-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129644**	F4B-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129645**	F4B-GT-104S			**129910**	AN-GT-06-104S
	30mm	***129670***	F4B-GT-30M			***129945***	AN-GT-06-30M
207	1-1/4	**129646**	F4B-GT-104	**129468**	F4B-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129647**	F4B-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129648**	F4B-GT-107			**129913**	AN-GT-07-107
	35mm	***129671***	*F4B-GT-35M*			***129946***	*AN-GT-07-35M*

@Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
203	1/2	1.4	1-19/64	3	1-27/64	2-1/8	3/8	7/16	39/64	1-13/32	1-11/16	1-29/64
	5/8	1.3										
	17mm	*0.6*	*32.9*	*76.2*	*36.1*	*54.0*	*M10*	*11.1*	*15.5*	*35.7*	*42.9*	*36.9*
204	3/4	1.7	1-15/32	3-3/8	1-39/64	2-1/2	3/8	7/16	11/16	1-1/2	1-15/16	1-43/64
	20mm	*0.8*	*37.3*	*85.7*	*40.9*	*63.5*	*M10*	*11.1*	*17.5*	*38.1*	*49.2*	*42.5*
205	7/8	2.2	1-29/64	3-3/4	1-35/64	2-3/4	7/16	1/2	21/32	1-51/64	2-1/16	1-39/64
	15/16	2.2										
	1	2.2										
	25mm	*1.0*	*36.9*	*95.3*	*39.3*	*69.9*	*M10*	*12.7*	*16.7*	*45.6*	*52.4*	*40.9*
206	1-1/8	3.8	1-39/64	4-1/4	1-45/64	3-1/4	7/16	1/2	11/16	2-5/64	2-3/16	1-3/4
	1-3/16	3.7										
	1-1/4	3.7										
	30mm	*1.7*	*40.9*	*108.0*	*43.3*	*82.6*	*M10*	*12.7*	*17.5*	*52.8*	*55.6*	*44.5*
207	1-1/4	4.4	1-5/8	4-3/4	1-49/64	3-5/8	1/2	9/16	41/64	2-3/8	2-7/16	1-55/64
	1-3/8	4.4										
	1-7/16	4.3										
	35mm	*2.0*	*41.3*	*120.7*	*44.8*	*92.1*	*M12*	*14.3*	*16.3*	*60.3*	*61.9*	*47.2*

#C dimension will vary slightly depending on true shaft diameter.

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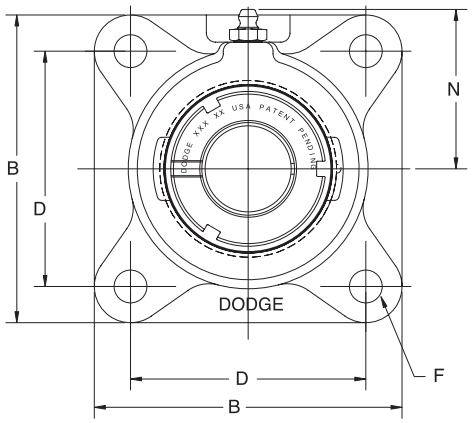
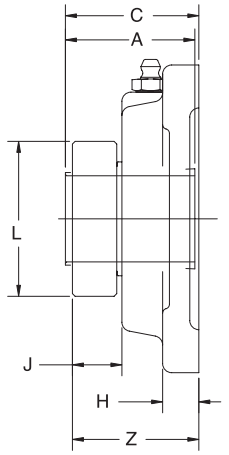
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Larger - 1/8-27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**129649**	F4B-GT-108	**129469**	F4B-GT-08	**129914**	AN-GT-08-108
	1-5/8	**129374**	F4B-GT-110			**129955**	AN-GT-08-110
	40mm	***129672***	*F4B-GT-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129650**	F4B-GT-110L	**129470**	F4B-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**129651**	F4B-GT-111			**129916**	AN-GT-09-111
	1-3/4	**129652**	F4B-GT-112			**129917**	AN-GT-09-112
	45mm	***129673***	*F4B-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129653**	F4B-GT-115	**129471**	F4B-GT-10	**129918**	AN-GT-10-115
	2	**129654**	F4B-GT-200			**129919**	AN-GT-10-200
	50mm	***129674***	*F4B-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**129687**	F4B-GTM-200	**129472**	F4B-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**129655**	F4B-GT-203			**129920**	AN-GT-11-203
	2-1/4	**129379**	F4B-GT-204			**129956**	AN-GT-11-204
	55mm	***129675***	*F4B-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**129689**	F4B-GTM-204	**129473**	F4B-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**129656**	F4B-GT-207			**129921**	AN-GT-12-207
	60mm	***129676***	*F4B-GT-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	**129691**	F4B-GTM-208	**129474**	F4B-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**129657**	F4B-GT-211			**129922**	AN-GT-14-211
	70mm	***129677***	*F4B-GT-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**129658**	F4B-GT-215	**129475**	F4B-GT-15	**129923**	AN-GT-15-215
	3	**@**	F4B-GT-300			**129987**	AN-GT-15-300
	75mm	***129678***	*F4B-GT-75M*			***129953***	*AN-GT-15-75M*

@Assembled to order

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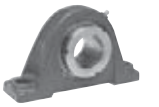
GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
208	1-1/2 1-5/8 *40mm*	5.8 5.6 *2.6*	1-27/32 *46.8*	5-1/8 *130.2*	1-31/32 *50.0*	4 *101.6*	1/2 *M12*	9/16 *14.3*	43/64 *17.1*	2-5/8 *66.7*	2-3/8 *60.3*	2-7/32 *56.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.0 6.0 5.9 *2.7*	1-55/64 *47.2*	5-3/8 *136.5*	2 *50.8*	4-1/8 *104.8*	1/2 *M12*	5/8 *15.9*	11/16 *14.5*	2-55/64 *72.6*	2-3/4 *69.9*	2-3/32 *53.2*
210	1-15/16 2 *50mm*	6.6 6.5 *3.1*	1-55/64 *47.2*	5-5/8 *142.9*	2-3/64 *52.0*	4-3/8 *111.1*	1/2 *M12*	5/8 *15.9*	21/32 *16.7*	3-1/8 *79.4*	2-7/8 *73.0*	2-1/8 *54.0*
211	2 2-3/16 2-1/4 *55mm*	10.1 9.7 9.6 *5.0*	1-59/64 *48.8*	6-1/2 *165.1*	2-9/64 *54.4*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	11/16 *14.5*	3-27/64 *86.9*	3-1/4 *82.6*	2-9/32 *57.9*
212	2-1/4 2-7/16 *60mm*	11.9 11.2 *5.9*	2-7/64 *53.6*	6-7/8 *174.6*	2-5/16 *58.7*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	3-11/16 *93.7*	3-1/2 *88.9*	2-7/16 *62.0*
214	2-1/2 2-11/16 *70mm*	15.9 15.4 *6.6*	2-25/64 *60.7*	7-3/8 *187.3*	2-53/64 *71.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	4 *101.6*	3-11/16 *93.7*	2-29/32 *73.8*
215	2-15/16 3 *75mm*	16.4 16.2 *8.6*	2-29/64 *62.309*	7-3/4 *196.9*	3-3/16 *81.0*	6 *152.4*	3/4 *M18*	1 *25.4*	51/64 *20.2*	4-7/16 *112.7*	3-7/8 *98.4*	3-3/64 *77.4*

#C dimension will vary slightly depending on true shaft diameter.

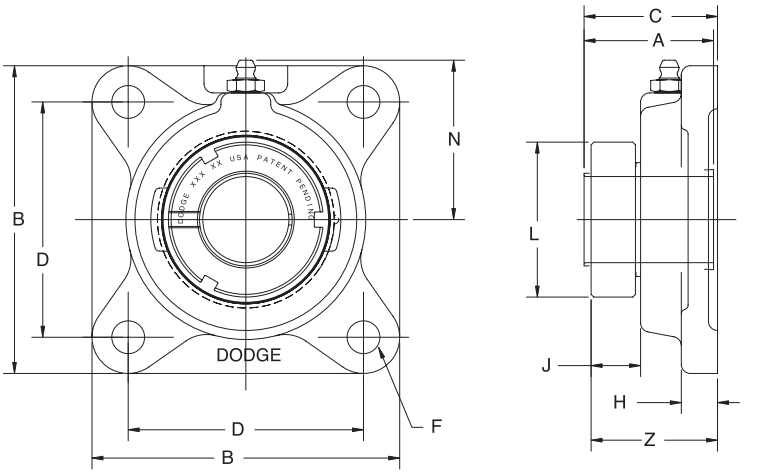
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Large - 1/8-27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	@	F4B-GTAH-008			**129902**	AN-GT-03-008
	5/8	@	F4B-GTAH-010	@	F4B-GTAH-03	**129903**	AN-GT-03-010
	17mm	@	*F4B-GTAH-17M*			***129942***	*AN-GT-03-17M*
204	3/4	@	F4B-GTAH-012	@	F4B-GTAH-04	**129904**	AN-GT-04-012
	20mm	@	*F4B-GTAH-20M*			***129943***	*AN-GT-04-20M*
205	7/8	@	F4B-GTAH-014			**129905**	AN-GT-05-014
	15/16	@	F4B-GTAH-015	**129476**	F4B-GTAH-05	**129906**	AN-GT-05-015
	1	**129659**	F4B-GTAH-100			**129907**	AN-GT-05-100
	25mm	@	*F4B-GTAH-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	@	F4B-GTAH-102			**129908**	AN-GT-06-102
	1-3/16	**129660**	F4B-GTAH-103	**129477**	F4B-GTAH-06	**129909**	AN-GT-06-103
	1-1/4	@	F4B-GTAH-104S			**129910**	AN-GT-06-104S
	30mm	@	*F4B-GTAH-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	@	F4B-GTAH-104			**129911**	AN-GT-07-104
	1-3/8	@	F4B-GTAH-106	**129478**	F4B-GTAH-07	**129912**	AN-GT-07-106
	1-7/16	**129661**	F4B-GTAH-107			**129913**	AN-GT-07-107
	35mm	@	*F4B-GTAH-35M*			***129946***	*AN-GT-07-35M*

@Assembled to order

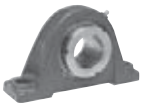
GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
203	1/2 5/8 *17mm*	1.4 1.3 *0.6*	1-19/64 *32.9*	3 *76.2*	1-27/64 *36.1*	2-1/8 *54.0*	3/8 *M10*	7/16 *11.1*	39/64 *15.5*	1-13/32 *35.7*	1-11/16 *42.9*	1-29/64 *36.9*
204	3/4 *20mm*	1.7 *0.8*	1-15/32 *37.3*	3-3/8 *85.7*	1-39/64 *40.9*	2-1/2 *63.5*	3/8 *M10*	7/16 *11.1*	5/8 *15.9*	1-1/2 *38.1*	1-15/16 *49.2*	1-43/64 *42.5*
205	7/8 15/16 1 *25mm*	2.2 2.2 2.2 *1.0*	1-29/64 *36.9*	3-3/4 *95.3*	1-35/64 *39.3*	2-3/4 *69.9*	7/16 *M10*	1/2 *12.7*	19/32 *15.1*	1-51/64 *45.6*	2-1/16 *52.4*	1-39/64 *40.9*
206	1-1/8 1-3/16 1-1/4 *30mm*	3.8 3.7 3.7 *1.7*	1-39/64 *40.9*	4-1/4 *108.0*	1-45/64 *43.3*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	19/32 *15.1*	2-5/64 *52.8*	2-3/16 *55.6*	1-3/4 *44.5*
207	1-1/4 1-3/8 1-7/16 *35mm*	4.4 4.4 4.3 *2.0*	1-5/8 *41.3*	4-3/4 *120.7*	1-49/64 *44.8*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/8 *60.3*	2-7/16 *61.9*	1-55/64 *47.2*

#C dimension will vary slightly depending on true shaft diameter.

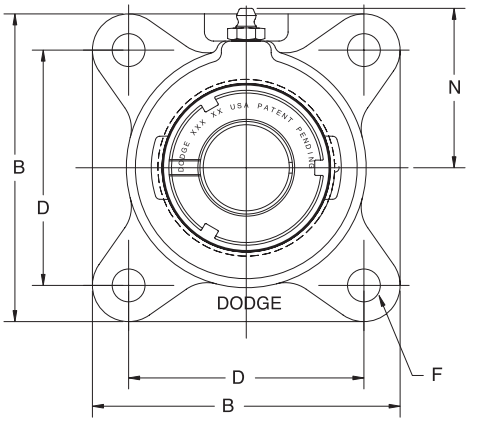
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

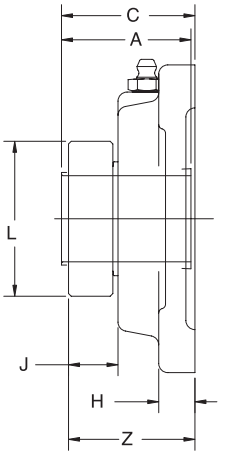
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
203 Series - 1/4-28 Tapered Thread
204 Series and Large - 1/8-27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	@	F4B-GTAH-108	**129479**	F4B-GTAH-08	**129914**	AN-GT-08-108
	1-5/8	@	F4B-GTAH-110			**129955**	AN-GT-08-110
	40mm	@	*F4B-GTAH-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	@	F4B-GTAH-110L	**129480**	F4B-GTAH-09	**129915**	AN-GT-09-110L
	1-11/16	**129662**	F4B-GTAH-111			**129916**	AN-GT-09-111
	1-3/4	**065607**	F4B-GTAH-112			**129917**	AN-GT-09-112
	45mm	@	*F4B-GTAH-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129663**	F4B-GTAH-115	**129481**	F4B-GTAH-10	**129918**	AN-GT-10-115
	2	@	F4B-GTAH-200			**129919**	AN-GT-10-200
	50mm	***068273***	*F4B-GTAH-50M*			***129949***	*AN-GT-10-50M*
211	2	@	F4B-GTMAH-200	**129482**	F4B-GTAH-11	**129932**	AN-GTM-11-200
	2-3/16	**129664**	F4B-GTAH-203			**129920**	AN-GT-11-203
	2-1/4	@	F4B-GTAH-204			**129956**	AN-GT-11-204
	55mm	@	*F4B-GTAH-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	@	F4B-GTMAH-204	**129483**	F4B-GTAH-12	**129934**	AN-GTM-12-204
	2-7/16	**129665**	F4B-GTAH-207			**129921**	AN-GT-12-207
	60mm	@	*F4B-GTAH-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	@	F4B-GTMAH-208	**129484**	F4B-GTAH-14	**129936**	AN-GTM-14-208
	2-11/16	@	F4B-GTAH-211			**129922**	AN-GT-14-211
	70mm	@	*F4B-GTAH-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**129666**	F4B-GTAH-215	**129485**	F4B-GTAH-15	**129923**	AN-GT-15-215
	3	@	F4B-GTAH-300			**129987**	AN-GT-15-300
	75mm	@	*F4B-GTAH-75M*			***129953***	*AN-GT-15-75M*

@Assembled to order

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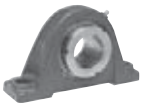
GRIP TIGHT Adapter Ball Bearings
GTAH AIR HANDLING NORMAL DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
208	1-1/2 1-5/8 *40mm*	5.8 5.6 *2.6*	1-27/32 *46.8*	5-1/8 *130.2*	1-31/32 *50.0*	4 *101.6*	1/2 *M12*	9/16 *14.3*	43/64 *17.1*	2-5/8 *66.7*	2-3/8 *60.3*	2-7/32 *56.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.0 6.0 5.9 *2.7*	1-55/64 *47.2*	5-3/8 *136.5*	2 *50.8*	4-1/8 *104.8*	1/2 *M12*	5/8 *15.9*	11/16 *17.5*	2-55/64 *72.6*	2-3/4 *69.9*	2-3/32 *53.2*
210	1-15/16 2 *50mm*	6.6 6.5 *3.1*	1-55/64 *47.2*	5-5/8 *142.9*	2-3/64 *52.0*	4-3/8 *111.1*	1/2 *M12*	5/8 *15.9*	21/32 *16.7*	3-1/8 *79.4*	2-7/8 *73.0*	2 -1/8 *54.0*
211	2 2-3/16 2-1/4 *55mm*	10.1 9.7 9.6 *5.0*	1-59/64 *48.8*	6-1/2 *165.1*	2-9/64 *54.4*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	11/16 *17.5*	3-27/64 *86.9*	3-1/4 *82.6*	2-9/32 *57.9*
212	2-1/4 2-7/16 *60mm*	11.9 11.2 *5.9*	2-7/64 *53.6*	6-7/8 *174.6*	2-5/16 *58.7*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	3-11/16 *93.7*	3-1/2 *88.9*	2-7/16 *61.9*
214	2-1/2 2-11/16 *70mm*	15.9 15.4 *6.6*	2-25/64 *60.7*	7-3/8 *187.3*	2-53/64 *71.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	4 *10.6*	3-11/16 *93.7*	2-29/32 *73.8*
215	2-15/16 3 *75mm*	16.4 16.2 *8.6*	2-29/64 *62.3*	7-3/4 *196.9*	3-3/16 *81.0*	6 *152.4*	3/4 *M18*	1 *25.4*	51/64 *20.2*	4-7/16 *112.7*	3-7/8 *98.4*	3-3/64 *77.4*

#C dimension will vary slightly depending on true shaft diameter.

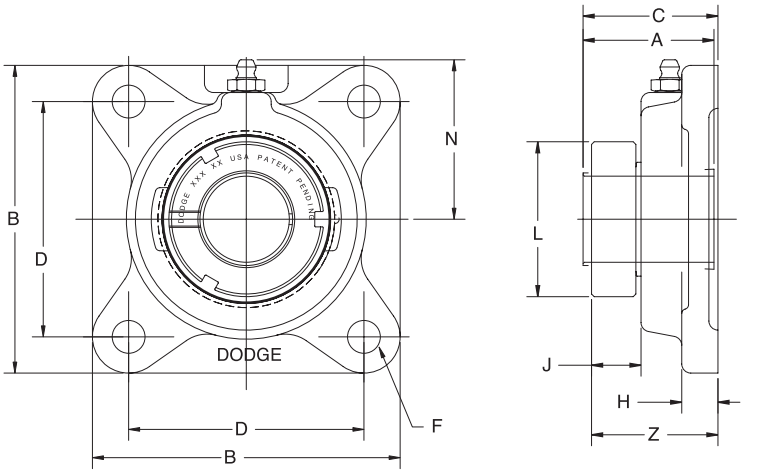
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**129679**	F4B-GTM-012	**129466**	F4B-GT-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**129680** ***136275***	F4B-GTM-100 *F4B-GTM-25M*	**129467**	F4B-GT-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1-3/16 1-1/4 *30mm*	**129681** **129646** ***136276***	F4B-GTM-103 F4B-GT-104 *F4B-GTM-30M*	**129468**	F4B-GT-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**129682** ***136277***	F4B-GTM-107 *F4B-GTM-35M*	**129469**	F4B-GT-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 *40mm*	**129683** ***136278***	F4B-GTM-108 *F4B-GTM-40M*	**129470**	F4B-GT-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**129684** **129685** ***136279***	F4B-GTM-111 F4B-GTM-112 *F4B-GTM-45M*	**129471**	F4B-GT-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*

@Assembled to order

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

DODGE®

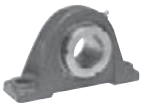
GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
205	3/4	2.3	1-29/64	3-3/4	1-35/64	2-3/4	7/16	1/2	21/32	1-51/64	2-1/16	1-39/64
206	1 *25mm*	3.9 *1.9*	1-39/64 *40.9*	4-1/4 *108.0*	1-45/64 *43.3*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	11/16 *17.5*	2 -5/64 *52.8*	2-3/16 *55.6*	1-3/4 *44.5*
207	1-3/16 1-1/4 *30mm*	4.5 4.4 *2.2*	1-5/8 *41.3*	4-3/4 *120.7*	1-49/64 *44.8*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	41/64 *16.3*	2-3/8 *60.3*	2-7/16 *61.9*	1-55/64 *47.2*
208	1-7/16 *35mm*	5.9 *2.9*	1-27/32 *46.8*	5-1/8 *130.2*	1-31/32 *50.0*	4 *101.6*	1/2 *M12*	9/16 *14.3*	43/64 *17.1*	2-5/8 *66.7*	2-3/8 *60.3*	2-7/32 *56.4*
209	1-1/2 *40mm*	6.1 *3.0*	1-55/64 *47.2*	5-3/8 *136.5*	2 *50.8*	4-1/8 *104.8*	1/2 *M12*	5/8 *15.9*	11/16 *17.5*	2-55/64 *72.6*	2-3/4 *69.9*	2-3/32 *53.2*
210	1-11/16 1-3/4 *45mm*	7.1 7.0 *3.4*	1-55/64 *47.2*	5-5/8 *142.9*	2-3/64 *52.0*	4-3/8 *111.1*	1/2 *M12*	5/8 *15.9*	21/32 *16.7*	3-1/8 *79.4*	2-7/8 *73.0*	2-1/8 *54.0*

#C dimension will vary slightly depending on true shaft diameter.

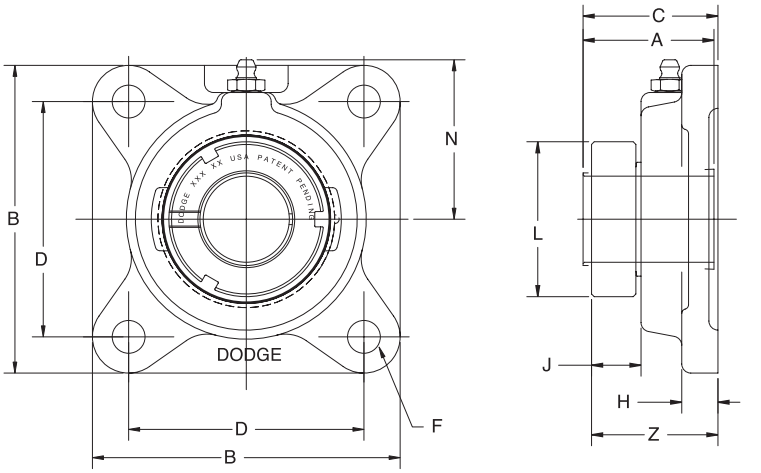
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**129686**	F4B-GTM-115	**129472**	F4B-GT-11	**129931**	AN-GTM-11-115
	2	**129687**	F4B-GTM-200			**129932**	AN-GTM-11-200
	50mm	***136280***	*F4B-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129688**	F4B-GTM-203	**129473**	F4B-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**129689**	F4B-GTM-204			**129934**	AN-GTM-12-204
	55mm	***136281***	*F4B-GTM-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129690**	F4B-GTM-207	**129474**	F4B-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**129691**	F4B-GTM-208			**129936**	AN-GTM-14-208
	65mm	***136282***	*F4B-GTM-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	**129692**	F4B-GTM-211	**129475**	F4B-GT-15	**129937**	AN-GTM-15-211
	70mm	***136283***	*F4B-GTM-70M*			***129964***	*AN-GTM-15-70M*
216	2-15/16	**129693**	F4B-GTM-215	**129486**	F4B-GT-16	**129938**	AN-GTM-16-215
	3	**129694**	F4B-GTM-300			**129939**	AN-GTM-16-300
	75mm	***136284***	*F4B-GTM-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129695**	F4B-GTM-307	**129487**	F4B-GT-18	**129940**	AN-GTM-18-307
	3-1/2	**129696**	F4B-GTM-308			**129941**	AN-GTM-18-308
	85mm	***136285***	*F4B-GTM-85M*			***129966***	*AN-GTM-18-85M*

@Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
211	1-15/16 2 *50mm*	11.1 11.0 *5.4*	1-59/64 *48.8*	6-1/2 *165.1*	2-9/64 *54.4*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	11/16 *17.5*	3-27/64 *86.9*	3-1/4 *82.6*	2-9/32 *57.9*
212	2-3/16 2-1/4 *55mm*	13.4 13.3 *6.5*	2-7/64 *53.6*	6-7/8 *174.6*	2-5/16 *58.7*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	3-11/16 *93.7*	3-1/2 *88.9*	2-7/16 *61.9*
214	2-7/16 2-1/2 *65mm*	14.7 14.6 *7.1*	2-25/64 *60.7*	7-3/8 *187.3*	2-53/64 *71.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	4 *101.6*	3-11/16 *93.7*	2-29/32 *73.8*
215	2-11/16 *70mm*	19.0 *9.2*	2-29/64 *62.3*	7-3/4 *196.9*	3-3/16 *81.0*	6 *152.4*	3/4 *M18*	1 *25.4*	51/64 *20.2*	4-7/16 *112.7*	3-7/8 *98.4*	3-3/64 *77.4*
216	2-15/16 3 *75mm*	20.7 20.6 *10.0*	2-11/16 *68.3*	7-3/4 *196.9*	3-3/8 *85.7*	6 *152.4*	3/4 *M18*	7/8 *22.2*	57/64 *22.6*	4-11/16 *119.1*	4-9/32 *108.7*	3-25/64 *86.1*
218	3-7/16 3-1/2 *85mm*	36.1 *17.5*	2-51/64 *71.0*	8-7/16 *214.3*	3-37/64 *90.9*	6-3/4 *171.5*	3/4 *M18*	1 *25.4*	53.64 *21.0*	5-3/16 *131.8*	4-5/8 *117.5*	3-39/64 *91.7*

#C dimension will vary slightly depending on true shaft diameter.

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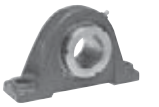
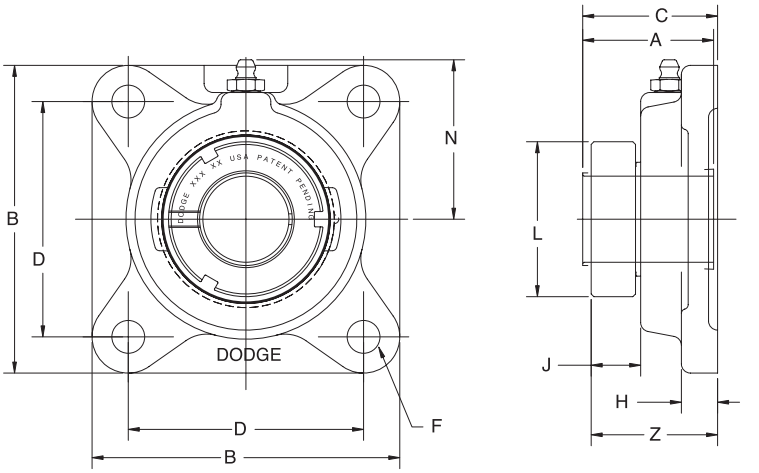
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	@	F4B-GTMAH-012	**129476**	F4B-GTAH-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**129697** @	F4B-GTMAH-100 *F4B-GTMAH-25M*	**129477**	F4B-GTAH-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1-3/16 1-1/4 *30mm*	**129698** @ @	F4B-GTMAH-103 F4B-GTAH-104 *F4B-GTMAH-30M*	**129478**	F4B-GTAH-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**129699** @	F4B-GTMAH-107 *F4B-GTMAH-35M*	**129479**	F4B-GTAH-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 *40mm*	@ @	F4B-GTMAH-108 *F4B-GTMAH-40M*	**129480**	F4B-GTAH-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**064670** @ @	F4B-GTMAH-111 F4B-GTMAH-112 *F4B-GTMAH-45M*	**129481**	F4B-GTAH-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*

@Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GTMAH AIR HANDLING MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
205	3/4	2.3	1-29/64	3-3/4	1-35/64	2-3/4	7/16	1/2	21/32	1-51/64	2-1/16	1-35/64
206	1 *25mm*	3.9 *1.9*	1-39/64 *40.9*	4-1/4 *108.0*	1-45/64 *43.3*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	11/16 *17.5*	2-5/64 *52.8*	2-3/16 *55.6*	1-3/4 *44.5*
207	1-3/16 1-1/4 *30mm*	4.5 4.4 *2.2*	1-5/8 *41.3*	4-3/4 *120.7*	1-49/64 *44.8*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	41/64 *16.3*	2-3/8 *60.3*	2-7/16 *61.9*	1-55/64 *47.2*
208	1-7/16 *35mm*	5.9 *2.9*	1-27/32 *46.8*	5-1/8 *130.2*	1-31/32 *50.0*	4 *101.6*	1/2 *M12*	9/16 *14.3*	43/64 *17.1*	2-5/8 *66.7*	2-3/8 *60.3*	2-7/32 *56.4*
209	1-1/2 *40mm*	6.1 *3.0*	1-55/64 *47.2*	5-3/8 *136.5*	2 *50.8*	4-1/8 *104.8*	1/2 *M12*	5/8 *15.9*	11/16 *17.5*	2-55/64 *72.6*	2-3/4 *69.9*	2-3/32 *53.2*
210	1-11/16 1-3/4 *45mm*	7.1 7.0 *3.4*	1-55/64 *47.2*	5-5/8 *142.9*	2-3/64 *52.0*	4-3/8 *111.1*	1/2 *M12*	5/8 *15.9*	21/32 *16.7*	3-1/8 *79.4*	2-7/8 *73.0*	2-1/8 *54.0*

#C dimension will vary slightly depending on true shaft diameter.

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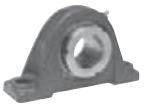
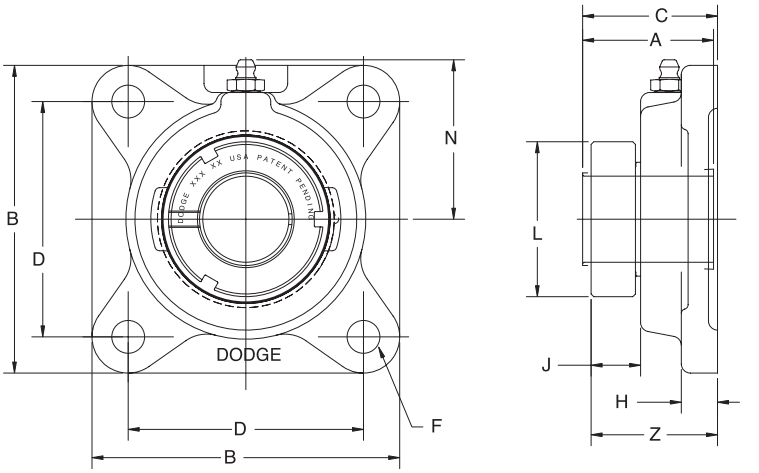
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings

GTMAH AIR HANDLING MEDIUM DUTY 4 BOLT FLANGE BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**129700**	F4B-GTMAH-115	**129482**	F4B-GTAH-11	**129931**	AN-GTM-11-115
	2	@	F4B-GTMAH-200			**129932**	AN-GTM-11-200
	50mm	@	*F4B-GTMAH-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129701**	F4B-GTMAH-203	**129483**	F4B-GTAH-12	**129933**	AN-GTM-12-203
	2-1/4	@	F4B-GTMAH-204			**129934**	AN-GTM-12-204
	55mm	@	*F4B-GTMAH-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129702**	F4B-GTMAH-207	**129484**	F4B-GTAH-14	**129935**	AN-GTM-14-207
	2-1/2	@	F4B-GTMAH-208			**129936**	AN-GTM-14-208
	65mm	@	*F4B-GTMAH-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	@	F4B-GTMAH-211	**129485**	F4B-GTAH-15	**129937**	AN-GTM-11-211
	70mm	@	*F4B-GTMAH-70M*			***129964***	*AN-GTM-11-70M*
216	2-15/16	**129703**	F4B-GTMAH-215	**129488**	F4B-GTAH-16	**129938**	AN-GTM-16-215
	3	@	F4B-GTMAH-300			**129939**	AN-GTM-16-300
	75mm	@	*F4B-GTMAH-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129704**	F4B-GTMAH-307	**129489**	F4B-GTAH-18	**129940**	AN-GTM-18-307
	3-1/2	@	F4B-GTMAH-308			**129941**	AN-GTM-18-308
	85mm	@	*F4B-GTMAH-85M*			***129966***	*AN-GTM-18-85M*

@Assembled to order

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DODGE®

Series	Shaft Size	Weight lbs. *kg*	A	B	C#	D	F Bolt Dia.	H	J	L	N	Z
211	1-15/16 2 *50mm*	11.1 11.0 *5.4*	1-59/64 *48.8*	6-1/2 *165.1*	2-9/64 *54.4*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	11/16 *17.5*	3-1/4 *82.6*	3-1/4 *82.6*	2-9/32 *57.9*
212	2-3/16 2-1/4 *55mm*	13.4 13.3 *6.5*	2-7/64 *53.6*	6-7/8 *174.6*	2-5/16 *58.7*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	3-1/2 *88.9*	3-1/2 *88.9*	2-7/16 *61.9*
214	2-7/16 2-1/2 *65mm*	14.7 14.6 *7.1*	2-25/64 *60.7*	7-3/8 *187.3*	2-53/64 *71.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	23/32 *18.3*	3-13/16 *96.8*	3-11/16 *93.7*	2-29/32 *73.8*
215	2-11/16 *70mm*	19.0 *9.2*	2-29/64 *62.3*	7-3/4 *196.9*	3-3/16 *81.0*	6 *152.4*	3/4 *M18*	1 *25.4*	51/64 *20.2*	4-1/4 *108.0*	3-7/8 *98.4*	3-3/64 *77.4*
216	2-15/16 3 *75mm*	20.7 20.6 *10.0*	2-11/16 *68.3*	7-3/4 *196.9*	3-3/8 *85.7*	6 *152.4*	3/4 *M18*	7/8 *22.2*	57/64 *22.6*	4-1/2 *108.7*	4-9/32 *104.0*	3-25/64 *86.1*
218	3-7/16 *85mm*	36.1 *17.5*	2-51/64 *71.0*	8-7/16 *214.3*	3-37/64 *90.9*	6-3/4 *171.5*	3/4 *M18*	1 *25.4*	53/64 *21.0*	5 *127.0*	4-5/8 *117.5*	3-39/64 *91.7*

#C dimension will vary slightly depending on true shaft diameter.

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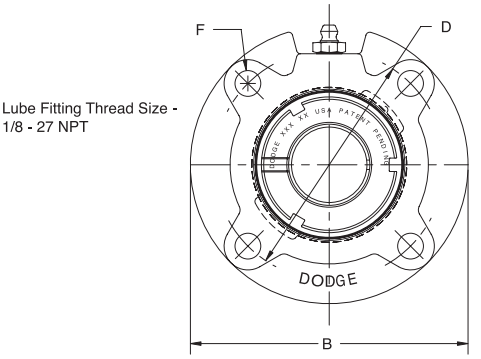
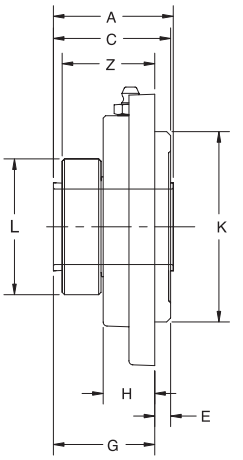
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILOTED FLANGE BEARINGS





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
206	1-1/8	**129735**	FC-GT-102	**129501**	FC-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129736**	FC-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129737**	FC-GT-104S			**129910**	AN-GT-06-104S
	30mm	***129750***	*FC-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**129738**	FC-GT-104	**129502**	FC-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129739**	FC-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129740**	FC-GT-107			**129913**	AN-GT-07-107
	35mm	***129751***	*FC-GT-35M*			***129946***	*AN-GT-07-35M*
208	1-1/2	**129741**	FC-GT-108	**129503**	FC-GT-08	**129914**	AN-GT-08-108
	1-5/8	**129375**	FC-GT-110			**129955**	AN-GT-08-110
	40mm	***129752***	*FC-GT-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129742**	FC-GT-110L	**129504**	FC-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**129743**	FC-GT-111			**129916**	AN-GT-09-111
	1-3/4	**129744**	FC-GT-112			**129917**	AN-GT-09-112
	45mm	***129753***	*FC-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129745**	FC-GT-115	**129505**	FC-GT-10	**129918**	AN-GT-10-115
	2	**129746**	FC-GT-200			**129919**	AN-GT-10-200
	50mm	***129754***	*FC-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**129765**	FC-GTM-200	**129506**	FC-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**129747**	FC-GT-203			**129920**	AN-GT-11-203
	2-1/4	**129380**	FC-GT-204			**129956**	AN-GT-11-204
	55mm	***129755***	*FC-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**129767**	FC-GTM-204	**129507**	FC-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**129748**	FC-GT-207			**129921**	AN-GT-12-207
	60mm	***129756***	*FC-GT-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	**129769**	FC-GTM-208	**129508**	FC-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**129749**	FC-GT-211			**129922**	AN-GT-14-211
	70mm	***129757***	*FC-GT-70M*			***129952***	*AN-GT-14-70M*

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	E	F Bolt Dia.	G#	H	K*	L	Z
206	1-1/8	3.0	1-39/64	4-3/8	1-43/64	3-5/8	1/4	3/8	1-27/64	13/16	3	2 -5/64	1-15/32
	1-3/16	3.0											
	1-1/4	3.0											
	30mm	*1.4*	*40.9*	*111.1*	*42.5*	*92.1*	*6.4*	*M10*	*36.1*	*20.6*	*76.2*	*52.8*	*37.3*
207	1-1/4	4.1	1-5/8	5	1-51/64	4-1/8	3/8	3/8	1-27/64	27/32	3-3/8	2-3/8	1-1/2
	1-3/8	4.0											
	1-7/16	4.0											
	35mm	*1.6*	*41.3*	*127.0*	*45.6*	*104.8*	*9.5*	*M10*	*36.1*	*21.4*	*85.7*	*60.3*	*38.1*
208	1-1/2	4.9	1-27/32	5-1/4	1-31/32	4-3/8	7/16	7/16	1-17/32	57/64	3-5/8	2-5/8	1-37/64
	1-5/8	4.7											
	40mm	*2.1*	*46.8*	*133.4*	*50.0*	*111.1*	*11.1*	*M12*	*38.9*	*22.6*	*92.1*	*66.7*	*40.1*
209	1-5/8	6.2	1-55/64	5-3/4	1-61/64	4-3/4	7/16	1/2	1-33/64	29/32	4	2-55/64	1-39/64
	1-11/16	6.1											
	1-3/4	6.1											
	45mm	*2.5*	*47.2*	*146.1*	*49.6*	*120.7*	*11.1*	*M12*	*38.5*	*23.0*	*101.6*	*72.6*	*40.9*
210	1-15/16	6.2	1-55/64	6-1/8	2	5-1/8	15/32	1/2	1-17/32	59/64	4-1/4	3-1/8	1-19/32
	2	6.2											
	50mm	*2.6*	*47.2*	*155.6*	*50.8*	*130.2*	*11.9*	*M12*	*38.9*	*23.4*	*108.0*	*79.4*	*40.5*
211	2	8.0	1-59/64	6-3/8	2-7/32	5-3/8	5/8	1/2	1-19/32	1	4-1/2	3-27/64	1-23/32
	2-3/16	8.0											
	2-1/4	6.9											
	55mm	*3.4*	*48.8*	*161.9*	*56.4*	*136.5*	*15.9*	*M12*	*40.5*	*25.4*	*114.3*	*86.9*	*43.7*
212	2-1/4	11.6	2-7/64	7-1/8	2-15/32	6	7/8	1/2	1-19/32	1	5	3-11/16	1-23/32
	2-7/16	11.6											
	60mm	*4.9*	*53.6*	*181.0*	*62.7*	*152.4*	*22.2*	*M12*	*40.5*	*25.4*	*127.0*	*93.7*	*43.7*
214	2-1/2	13.8	2-25/64	7-5/8	2-53/64	6-1/2	1-1/8	1/2	1-45/64	1-1/16	5-1/2	4	1-25/32
	2-11/16	13.6											
	70mm	*5.8*	*60.7*	*193.7*	*71.8*	*165.1*	*28.6*	*M12*	*43.3*	*27.0*	*139.7*	*101.6*	*45.2*

#C & G dimensions will vary slightly depending on true shaft diameter.

* +0.000" -0.002"
* +0.00 -0.05mm

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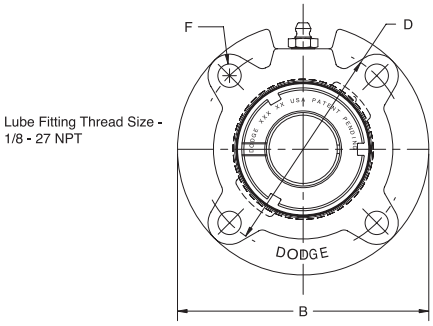
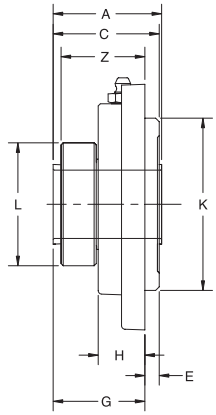
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILOTED FLANGE BEARINGS





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
206	1	**129758**	FC-GTM-100	**129501**	FC-GT-06	**129925**	AN-GTM-06-100
	25mm	***136286***	*FC-GTM-25M*			***129957***	*AN-GTM-06-25M*
207	1-3/16	**129759**	FC-GTM-103	**129502**	FC-GT-07	**129926**	AN-GTM-07-103
	1-1/4	**129738**	FC-GT-104			**129911**	AN-GT-07-104
	30mm	***136287***	*FC-GTM-30M*			***129954***	*AN-GTM-07-30M*
208	1-7/16	**129760**	FC-GTM-107	**129503**	FC-GT-08	**129927**	AN-GTM-08-107
	1-1/2	**129741**	FC-GT-108			**129914**	AN-GT-08-108
	35mm	***136288***	*FC-GTM-35M*			***129958***	*AN-GTM-08-35M*
209	1-1/2	**129761**	FC-GTM-108L	**129504**	FC-GT-09	**129928**	AN-GTM-09-108
	1-5/8	**129742**	FC-GT-110L			**129118**	AN-GT-09-110
	40mm	***136289***	*FC-GTM-40M*			***129959***	*AN-GTM-09-40M*
210	1-11/16	**129762**	FC-GTM-111	**129505**	FC-GT-10	**129929**	AN-GTM-10-111
	1-3/4	**129763**	FC-GTM-112			**129930**	AN-GTM-10-112
	45mm	***136290***	*FC-GTM-45M*			***129960***	*AN-GTM-10-45M*
211	1-15/16	**129764**	FC-GTM-115	**129506**	FC-GT-11	**129931**	AN-GTM-11-115
	2	**129765**	FC-GTM-200			**129932**	AN-GTM-11-200
	50mm	***136291***	*FC-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129766**	FC-GTM-203	**129507**	FC-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**129767**	FC-GTM-204			**129934**	AN-GTM-12-204
	55mm	***139292***	*FC-GTM-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129768**	FC-GTM-207	**129508**	FC-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**129769**	FC-GTM-208			**129936**	AN-GTM-14-208
	65mm	***136293***	*FC-GTM-65M*			***129963***	*AN-GTM-14-65M*
216	2-15/16	**129770**	FC-GTM-215	**129509**	FC-GT-16	**129938**	AN-GTM-16-215
	3	**129771**	FC-GTM-300			**129939**	AN-GTM-16-300
	75mm	***136294***	*FC-GTM-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129772**	FC-GTM-307	**129510**	FC-GT-18	**129940**	AN-GTM-18-307
	3-1/2	**129773**	FC-GTM-308			**129941**	AN-GTM-18-308
	85mm	***136295***	*FC-GTM-85M*			***129966***	*AN-GTM-18-85M*

@Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C#	D	E	F Bolt Dia.	G#	H	K*	L	Z
206	1	3.1	1-39/64	4-3/8	1-43/64	3-5/8	1/4	3/8	1-27/64	13/16	3	2 -5/64	1-15/32
	25mm	*1.5*	*40.9*	*111.1*	*42.5*	*92.1*	*6.4*	*M10*	*36.1*	*20.6*	*76.2*	*52.8*	*37.3*
207	1-3/16	4.1	1-5/8	5	1-51/64	4-1/8	3/8	3/8	1-27/64	27/32	3-3/8	2-3/8	1-1/2
	1-1/4	4.1											
	30mm	*2.0*	*41.3*	*127.0*	*45.6*	*104.8*	*9.5*	*M10*	*36.1*	*21.4*	*85.7*	*60.3*	*38.1*
208	1-7/16	5.1	1-27/32	5-1/4	1-31/32	4-3/8	7/16	7/16	1-17/32	57/64	3-5/8	2-5/8	1-37/64
	1-1/2	4.9											
	35mm	*2.5*	*46.8*	*133.4*	*50.0*	*111.1*	*11.1*	*M12*	*38.9*	*22.6*	*92.1*	*66.7*	*40.1*
209	1-1/2	6.1	1-55/64	5-3/4	1-61/64	4-3/4	7/16	1/2	1-33/64	29/32	4	2-55/64	1-39/64
	1-5/8	6.1											
	40mm	*3.0*	*47.2*	*146.1*	*49.6*	*120.7*	*11.1*	*M12*	*38.5*	*23.0*	*101.6*	*72.6*	*40.9*
210	1-11/16	6.2	1-55/64	6-1/8	2	5-1/8	15/32	1/2	1-17/32	59/64	4-1/4	3-1/8	1-19/32
	1-3/4	6.2											
	45mm	*3.0*	*47.2*	*155.6*	*50.8*	*130.2*	*11.9*	*M12*	*38.9*	*23.4*	*108.0*	*79.4*	*40.5*
211	1-15/16	8.0	1-59/64	6-3/8	2-7/32	5-3/8	5/8	1/2	1-19/32	1	4-1/2	3-27/64	1-23/32
	2	8.0											
	50mm	*3.9*	*48.8*	*161.9*	*56.4*	*136.5*	*15.9*	*M12*	*40.5*	*25.4*	*114.3*	*86.9*	*43.7*
212	2-3/16	11.6	2-7/64	7-1/8	2-15/32	6	7/8	1/2	1-19/32	1	5	3-11/16	1-23/32
	2-1/4	11.6											
	55mm	*5.6*	*53.6*	*181.0*	*62.7*	*152.4*	*22.2*	*M12*	*40.5*	*25.4*	*127.0*	*93.7*	*43.7*
214	2-7/16	13.9	2-25/64	7-5/8	2-53/64	6-1/2	1-1/8	1/2	1-45/64	1-1/16	5-1/2	4	1-25/32
	2-1/2	13.8											
	65mm	*6.7*	*60.7*	*193.7*	*71.8*	*165.1*	*28.6*	*M12*	*43.3*	*27.0*	*139.7*	*101.6*	*45.2*
216	2-15/16	15.9	2-11/16	8-3/4	3-5/16	7-1/2	1-1/4	5/8	2-9/64	1-3/16	6-3/8	4-11/16	2-1/16
	3	15.8											
	75mm	*12.9*	*68.3*	*222.3*	*84.1*	*190.5*	*31.8*	*M16*	*54.4*	*30.2*	*161.9*	*119.1*	*52.4*
218	3-7/16	36.8	2-51/64	10-1/4	3-17/32	8-5/8	1-1/8	3/4	2-13/32	1-5/8	7-3/8	5 -3/16	2-7/16
	85mm	*17.8*	*71.0*	*260.4*	*89.7*	*219.1*	*28.6*	*M18*	*61.1*	*41.3*	*187.3*	*131.8*	*61.9*

#C & G dimensions will vary slightly depending on true shaft diameter.

* +0.000" -0.002"
* +0.00 -0.05mm

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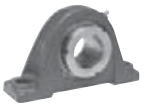
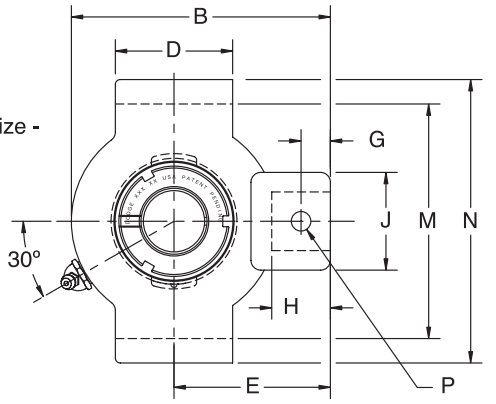
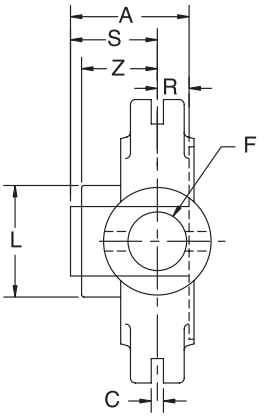
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**136110**	NSTU-GT-012	**136210**	NSTU-GT-04	**129904**	AN-GT-04-012
	20mm	***136238***	*NSTU-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**136111**	NSTU-GT-014	**136211**	NSTU-GT-05	**129905**	AN-GT-05-014
	15/16	**136112**	NSTU-GT-015			**129906**	AN-GT-05-015
	1	**136113**	NSTU-GT-100			**129907**	AN-GT-05-100
	25mm	***136239***	*NSTU-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**136114**	NSTU-GT-102	**136212**	NSTU-GT-06	**129908**	AN-GT-06-102
	1-3/16	**136115**	NSTU-GT-103			**129909**	AN-GT-06-103
	1-1/4	**136116**	NSTU-GT-104S			**129910**	AN-GT-06-104S
	30mm	***136240***	*NSTU-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**136117**	NSTU-GT-104	**136213**	NSTU-GT-07	**129911**	AN-GT-07-104
	1-3/8	**136118**	NSTU-GT-106			**129912**	AN-GT-07-106
	1-7/16	**136119**	NSTU-GT-107			**129913**	AN-GT-07-107
	35mm	***136241***	*NSTU-GT-35M*			***129946***	*AN-GT-07-35M*
208	1-1/2	**136120**	NSTU-GT-108	**136214**	NSTU-GT-08	**129914**	AN-GT-08-108
	1-5/8	**126121**	NSTU-GT-110			**129955**	AN-GT-08-110
	40mm	***136242***	*NSTU-GT-40M*			***129947***	*AN-GT-08-40M*

@ Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M@	N	P Pin Dia.	R#	S#	Z
204	3/4	1.6		1-15/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-1/2	2-5/8	3-1/8	5/16	31/64	63/64	1-3/64
	20mm	*0.8*		*37.3*	*88.9*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*38.1*	*66.7*	*79.4*	*7.9*	*12.3*	*25.0*	*26.6*
205	7/8	1.7	NS210	1-29/64	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-51/64	2-5/8	3-1/8	5/16	1/2	61/64	1-1/64
	15/16	1.6																	
	1	1.5																	
	25mm	*0.7*		*36.9*	*90.5*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*45.6*	*66.7*	*79.4*	*7.9*	*12.8*	*24.2*	*25.8*
206	1-1/8	2.8	NS308	1-39/64	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2 -5/64	3-1/2	4-1/8	5/16	17/32	1-5/64	1-1/8
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.2*		*40.9*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*52.8*	*88.9*	*104.8*	*7.9*	*13.5*	*27.4*	*28.6*
207	1-1/4	2.8	NS308	1-5/8	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-3/8	3-1/2	4-1/8	5/16	9/16	1-1/16	1-9/64
	1-3/8	2.6																	
	1-7/16	2.5																	
	35mm	*1.2*		*41.3*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*60.3*	*88.9*	*104.8*	*7.9*	*14.3*	*27.0*	*29.0*
208	1-1/2	4.7	NS400	1-27/32	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	2-5/8	2-5/8	4	4-3/4	3/8	21/32	1-3/16	1-15/64
	1-5/8	4.5																	
	40mm	*2.1*		*46.8*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*66.7*	*66.7*	*101.6*	*120.7*	*9.5*	*16.7*	*30.2*	*31.4*

#R & S dimensions will vary slightly depending on true shaft diameter. * +/- .015", +/- .38mm @ +.010, -.020" +.25mm, -.50mm

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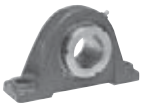
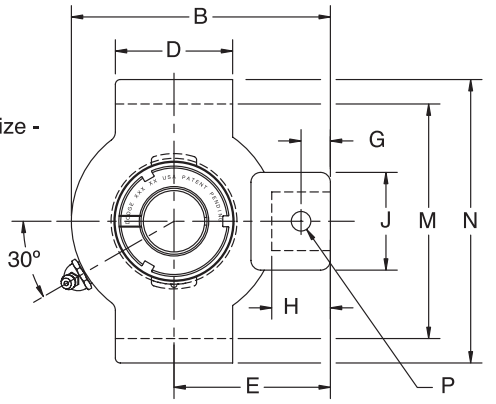
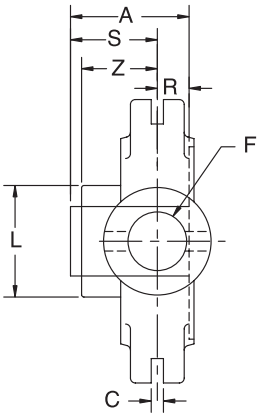
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
209	1-5/8	**136122**	NSTU-GT-110L	**136215**	NSTU-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**136123**	NSTU-GT-111			**129916**	AN-GT-09-111
	1-3/4	**136124**	NSTU-GT-112			**129917**	AN-GT-09-112
	45mm	***136243***	*NSTU-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**136125**	NSTU-GT-115	**136216**	NSTU-GT-10	**129918**	AN-GT-10-115
	2	**136126**	NSTU-GT-200			**129919**	AN-GT-10-200
	50mm	***136244***	*NSTU-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**136167**	NSTU-GTM-200	**136217**	NSTU-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**136127**	NSTU-GT-203			**129920**	AN-GT-11-203
	2-1/4	**136128**	NSTU-GT-204			**129956**	AN-GT-11-204
	55mm	***136245***	*NSTU-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**136169**	NSTU-GTM-204	**136218**	NSTU-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**136129**	NSTU-GT-207			**129921**	AN-GT-12-207
	60mm	***136246***	*NSTU-GT-60M*			***129951***	*AN-GT-12-60M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M@	N	P Pin Dia.	R#	S#	Z
209	1-5/8	4.9	NS400	1-55/64	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-55/64	4	4-3/4	3/8	21/32	1-3/16	1-9/32
	1-11/16	4.8																	
	1-3/4	4.7																	
	45mm	*2.1*		*47.2*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*72.6*	*101.6*	*120.7*	*9.5*	*16.7*	*30.2*	*32.5*
210	1-15/16	4.9	NS400	1-55/64	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1-5/8	3-1/8	4	4-3/4	3/8	21/32	1-13/64	1-9/32
	2	4.8																	
	50mm	*2.2*		*47.2*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*15.1*	*27.8*	*41.3*	*79.4*	*101.6*	*120.7*	*9.5*	*16.7*	*30.6*	*32.5*
211	2	6.8	NS407	1-59/64	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	3-27/64	4-7/16	5-3/8	7/16	45/64	1-7/32	1-11/32
	2-3/16	6.6																	
	2-1/4	6.5																	
	55mm	*3.0*		*48.8*	*155.6*	*7.9*	*88.9*	*92.1*	*25.4*	*17.5*	*32.5*	*44.5*	*86.9*	*112.7*	*136.5*	*11.1*	*17.9*	*31.0*	*34.1*
212	2-1/4	8.7	NS415	2-7/64	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1-9/32	1-5/8	3-11/16	4-15/16	5-3/4	7/16	49/64	1-11/32	1-15/32
	2-7/16	8.4																	
	60mm	*4.9*		*53.6*	*169.9*	*7.9*	*95.3*	*98.4*	*25.4*	*17.5*	*32.5*	*41.3*	*93.7*	*125.4*	*146.1*	*11.1*	*19.4*	*34.1*	*37.3*

#R & S dimensions will vary slightly depending on true shaft diameter. * +/- .015", +/- .38mm @ +.010, -.020" +.25mm, -.50mm

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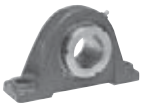
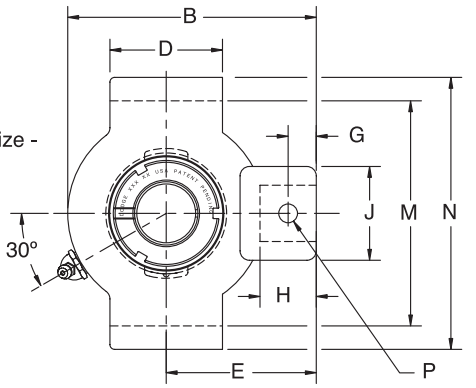
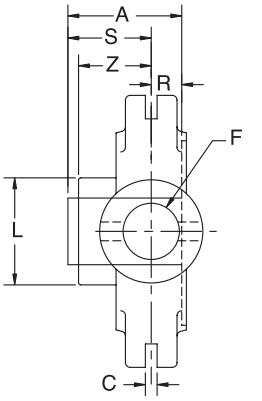
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**136159**	NSTU-GTM-012	**136211**	NSTU-GT-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**136160** ***136296***	NSTU-GTM-100 *NSTU-GTM-25M*	**136212**	NSTU-GTU-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1 -3/16 1-1/4 *30mm*	**136161** **136117** ***136297***	NSTU-GTM-103 NSTU-GT-104 *NSTU-GTM-30M*	**136213**	NSTU-GT-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**136162** ***136298***	NSTU-GTM-107 *NSTU-GTM-35M*	**136214**	NSTU-GT-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 *40mm*	**136163** ***136299***	NSTU-GTM-108 *NSTU-GTM-40M*	**136215**	NSTU-GT-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**136164** **136165** ***136300***	NSTU-GTM-111 NSTU-GTM-112 *NSTU-GTM-45M*	**136216**	NSTU-GT-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*
211	1-15/16 2 *50mm*	**136166** **136167** ***136301***	NSTU-GTM-115 NSTU-GTM-200 *NSTU-GTM-50M*	**136217**	NSTU-GT-11	**129931** **129932** ***129961***	AN-GTM-11-115 AN-GTM-11-200 *AN-GTM-11-50M*
212	2-3/16 2-1/4 *55mm*	**136168** **136169** ***136302***	NSTU-GTM-203 NSTU-GTM-204 *NSTU-GTM-55M*	**136218**	NSTU-GT-12	**129933** **129934** ***129962***	AN-GTM-12-203 AN-GTM-12-204 *AN-GTM-12-55M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs kg	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M@	N	P Pin Dia.	R#	S#	Z
205	3/4	1.7	NS210	1-15/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1- 3/8	1-1/2	2- 5/8	3-1/8	5/16	31/64	63/64	63/64
				37.3	88.9	6.4	38.1	55.6	19.1	11.1	22.2	34.9	38.1	66.7	79.4	7.9	12.3	25.0	25.0
206	1	2.8	NS308	1-39/64	4- 5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1- 3/8	2	3-1/2	4-1/8	5/16	17/32	1- 5/64	1-1/32
	25mm	*1.2*		*40.9*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*50.8*	*88.9*	*104.8*	*7.9*	*13.5*	*27.4*	*26.2*
207	1 -3/16	2.8		1-5/8	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-19/64	3-1/2	4-1/8	5/16	9/16	1- 1/16	1- 3/64
	1-1/4		NS308																
	30mm	*1.2*		*41.3*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*58.3*	*88.9*	*104.8*	*7.9*	*14.3*	*27.0*	*26.6*
208	1-7/16	4.7	NS400	1-27/32	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-1/2	4	4-3/4	3/8	21/32	1-3/16	1- 9/64
	35mm	*2.1*		*46.8*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*41.3*	*63.5*	*101.6*	*120.7*	*9.5*	*16.7*	*30.2*	*29.0*
209	1-1/2	4.9	NS400	1-27/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-43/64	4	4- 3/4	3/8	21/32	1- 3/16	1- 5/32
	40mm	*2.1*		*46.8*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*67.9*	*101.6*	*120.7*	*9.5*	*16.7*	*30.2*	*29.4*
210	1-11/16	4.9		1-55/64	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1- 5/8	2-15/16	4	4-3/4	3/8	21/32	1-13/64	1- 5/32
	1-3/4		NS400																
	45mm	*2.2*		*47.2*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*15.1*	*27.8*	*41.3*	*74.6*	*101.6*	*120.7*	*9.5*	*16.7*	*30.6*	*29.4*
211	1-15/16	6.8		1-59/64	6-1/8	5/16	3-1/2	3- 5/8	1	11/16	1-9/32	1- 3/4	3-1/4	4-7/16	5-3/8	7/16	45/64	1- 7/32	1- 3/16
	2		NS407																
	50mm	*3.0*		*48.8*	*155.6*	*7.9*	*88.9*	*92.1*	*25.4*	*17.5*	*32.5*	*44.5*	*82.6*	*112.7*	*136.5*	*11.1*	*17.9*	*31.0*	*30.2*
212	2-3/16	8.7		2-7/64	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1- 9/32	1-5/8	3-1/2	4-15/16	5- 3/4	7/16	49/64	1-11/32	1- 5/16
	2-1/4		NS415																
	55mm	*4.9*		*53.6*	*169.9*	*7.9*	*95.3*	*98.4*	*25.4*	*17.5*	*32.5*	*41.3*	*88.9*	*125.4*	*146.1*	*11.1*	*19.4*	*34.1*	*33.3*

#R & S dimensions will vary slightly depending on true shaft diameter. * +/- .015", +/- .38mm "@ +.010, -.020" +.25mm, -.50mm

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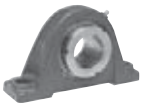
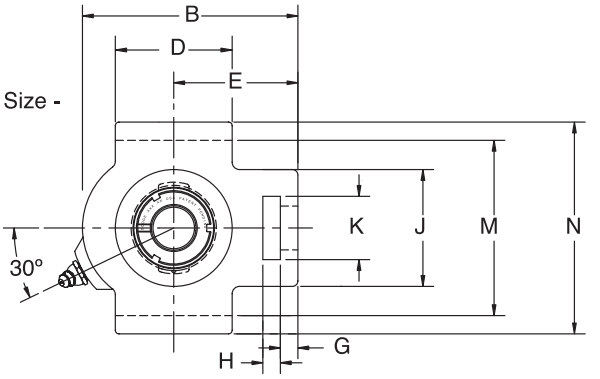
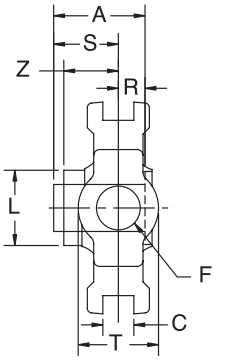
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
204	3/4	**136130**	WSTU-GT-012	**136219**	WSTU-GT-04	**129904**	AN-GT-04-012
	20mm	***136247***	*WSTU-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**136131**	WSTU-GT-014	**136220**	WSTU-GT-05	**129905**	AN-GT-05-014
	15/16	**136132**	WSTU-GT-015			**129906**	AN-GT-05-015
	1	**136133**	WSTU-GT-100			**129907**	AN-GT-05-100
	25mm	***136248***	*WSTU-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**136134**	WSTU-GT-102	**136221**	WSTU-GT-06	**129908**	AN-GT-06-102
	1-3/16	**136135**	WSTU-GT-103			**129909**	AN-GT-06-103
	1-1/4	**136136**	WSTU-GT-104S			**129910**	AN-GT-06-104S
	30mm	***136249***	*WSTU-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**136137**	WSTU-GT-104	**136222**	WSTU-GT-07	**129911**	AN-GT-07-104
	1-3/8	**136138**	WSTU-GT-106			**129912**	AN-GT-07-106
	1-7/16	**136139**	WSTU-GT-107			**129913**	AN-GT-07-107
	35mm	***136250***	*WSTU-GT-35M*			***129946***	*AN-GT-07-35M*
208	1-1/2	**136140**	WSTU-GT-108	**136223**	WSTU-GT-08	**129914**	AN-GT-08-108
	1-5/8	**136141**	WSTU-GT-110			**129955**	AN-GT-08-110
	40mm	***136251***	*WSTU-GT-40M*			***129947***	*AN-GT-08-40M*

@ Assembled to order

DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M*	N	R#	S#	T	Z
204	3/4	1.9		1-15/32	3-11/16	17/32	2	2-3/8	5/8	3/8	5/8	2	1-1/4	1-1/2	3	3-5/8	31/64	63/64	1-3/8	1-3/64
	20mm	*0.9*		*37.3*	*93.7*	*13.5*	*50.8*	*60.3*	*15.9*	*9.5*	*15.9*	*50.8*	*31.8*	*38.1*	*76.2*	*92.1*	*12.3*	*25.0*	*34.9*	*26.7*
205	7/8	2.2	WS300	1-29/64	3-13/16	17/32	2	2-7/16	5/8	3/8	5/8	2	1-5/16	1-51/64	3	3-5/8	1/2	61/64	1-3/8	1-1/64
	15/16	2.1																		
	1	2.0																		
	25mm	*1.0*		*36.9*	*96.8*	*13.5*	*50.8*	*61.9*	*15.9*	*9.5*	*15.9*	*50.8*	*33.3*	*45.6*	*76.2*	*92.1*	*12.8*	*24.2*	*34.9*	*25.9*
206	1-1/8	2.7	WS308	1-39/64	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	2-5/64	3-1/2	4-1/8	17/32	1-5/64	1-5/8	1-1/8
	1-3/16	2.6																		
	1-1/4	2.5																		
	30mm	*1.3*		*40.9*	*111.1*	*13.5*	*57.2*	*69.9*	*19.1*	*9.5*	*15.9*	*55.6*	*36.5*	*52.8*	*88.9*	*104.8*	*13.5*	*27.4*	*41.3*	*28.7*
207	1-1/4	3.7	WS308	1-5/8	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-3/8	3-1/2	4-1/8	9/16	1-1/16	1-5/8	1-9/64
	1-3/8	3.6																		
	1-7/16	3.5																		
	35mm	*1.6*		*41.3*	*123.8*	*13.5*	*63.5*	*77.8*	*19.1*	*12.7*	*15.9*	*63.5*	*36.5*	*60.3*	*88.9*	*104.8*	*14.3*	*27.0*	*41.3*	*29.1*
208	1-1/2	6.1	WS400	1-27/32	5-11/16	11/16	3-1/4	3-1/2	1	5/8	3/4	3-1/4	1-15/16	2-5/8	4	4-1/2	21/32	1-3/16	1-15/16	1-15/64
	1-5/8	5.9																		
	40mm	*2.8*		*46.8*	*144.5*	*17.5*	*82.6*	*88.9*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*66.7*	*101.6*	*114.3*	*16.7*	*30.2*	*49.2*	*31.5*

#R & S dimensions will vary slightly depending on true shaft diameter.

*+/- .015", +/- .38mm

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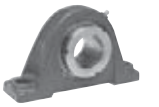
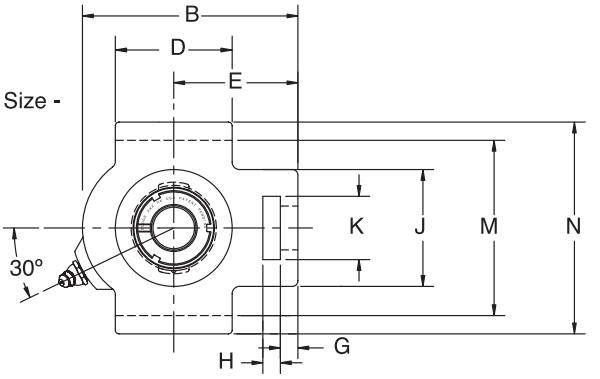
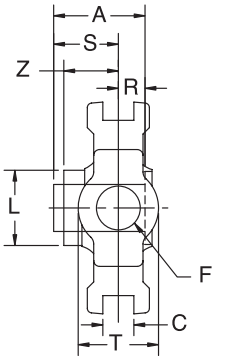
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size -
1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
209	1-5/8	**136142**	WSTU-GT-110L	**136224**	WSTU-GT-09	**129915**	AN-GT-09-110
	1-11/16	**136143**	WSTU-GT-111			**129916**	AN-GT-09-111
	1-3/4	**136144**	WSTU-GT-112			**129917**	AN-GT-09-112
	45mm	***136252***	*WSTU-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**136145**	WSTU-GT-115	**136225**	WSTU-GT-10	**129918**	AN-GT-10-115
	2	**136146**	WSTU-GT-200			**129919**	AN-GT-10-200
	50mm	***136253***	*WSTU-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**136178**	WSTU-GTM-200	**136226**	WSTU-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**136147**	WSTU-GT-203			**129920**	AN-GT-11-203
	2-1/4	**136148**	WSTU-GT-204			**129956**	AN-GT-11-204
	55mm	***136254***	*WSTU-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**136180**	WSTU-GTM-204	**136227**	WSTU-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**136149**	WSTU-GT-207			**129921**	AN-GT-12-207
	60mm	***136255***	*WSTU-GT-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	**136182**	WSTU-GTM-208	**136228**	WSTU-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**136150**	WSTU-GT-211			**129922**	AN-GT-14-211
	70mm	***163256***	*WSTU-GT-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**136151**	WSTU-GT-215	**136229**	WSTU-GT-15	**129923**	AN-GT-15-215
	3	**@**	WSTU-GT-300			**129887**	AN-GT-15-300
	75mm	***136257***	*WSTU-GT-75M*			***129953***	*AN-GT-15-75M*

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Wgt. lbs kg	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M*	N	R#	S#	T	Z
209	1-5/8 1-11/16 1-3/4 *45mm*	6.1 6.0 5.9 *2.7*	WS400	1-55/64 *47.2*	5-5/8 *142.9*	11/16 *17.5*	3-1/4 *82.6*	3-7/16 *87.3*	1 *25.4*	5/8 *15.9*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-55/64 *72.6*	4 *101.6*	4-3/4 *120.7*	21/32 *16.7*	1-3/16 *30.2*	1-15/16 *49.2*	1-9/32 *32.6*
210	1-15/16 2 *50mm*	6.4 6.3 *2.9*	WS400	1-55/64 *47.2*	5-13/16 *147.6*	11/16 *17.5*	3-3/8 *85.7*	3-9/16 *90.5*	1 *25.4*	5/8 *15.9*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	3-1/8 *79.4*	4 *101.6*	4-3/4 *120.7*	21/32 *16.7*	1-13/64 *30.6*	1-15/16 *49.2*	1-9/32 *32.6*
211	2 2-3/16 2-1/4 *55mm*	10.1 10.0 9.9 *4.5*	WS502	1-59/64 *48.8*	6-11/16 *169.9*	1-1/16 *27.0*	3-3/4 *95.3*	4-3/16 *106.4*	1-1/4 *31.8*	3/4 *19.1*	1 *25.4*	4 *101.6*	2-1/2 *63.5*	3-27/64 *86.9*	5-1/8 *130.2*	5-7/8 *149.2*	45/64 *17.9*	1-7/32 *31.0*	2-1/2 *63.5*	1-11/32 *34.0*
212	2-1/4 2-7/16 *60mm*	11.2 10.8 *4.9*	WS502	2-7/64 *53.6*	7-1/2 *190.5*	1-1/16 *27.0*	4 *101.6*	4-11/16 *119.1*	1-1/4 *31.8*	3/4 *19.1*	1-1/4 *31.8*	4 *101.6*	2-1/2 *63.5*	3-11/16 *93.7*	5-1/8 *130.2*	5-7/8 *149.2*	49/64 *19.4*	1-11/32 *34.1*	2-1/2 *63.5*	1-15/32 *37.1*
214	2-1/2 2-11/16 *70mm*	18.0 17.8 *8.2*	WS515	2-25/64 *60.7*	8-9/16 *217.5*	1-1/16 *27.0*	4-3/4 *120.7*	5-3/8 *136.5*	1-1/2 *38.1*	13/16 *20.6*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	4 *101.6*	5-15/16 *150.8*	6-9/16 *166.7*	7/8 *22.2*	1-33/64 *38.5*	2-3/4 *69.9*	1-19/32 *40.5*
215	2-15/16 3 *75mm*	18.9 18.7 *8.6*	WS515	2-29/64 *62.3*	9-1/8 *231.8*	1-1/16 *27.0*	4-3/4 *120.7*	5-1/2 *139.7*	1-1/2 *38.1*	13/16 *20.6*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	4-7/16 *112.7*	5-15/16 *150.8*	6-11/16 *169.9*	57/64 *22.6*	1-43/64 *42.5*	2-3/4 *69.9*	1-5/8 *41.3*

#R & S dimensions will vary slightly depending on true shaft diameter.

*+/- .015", +/- .38mm

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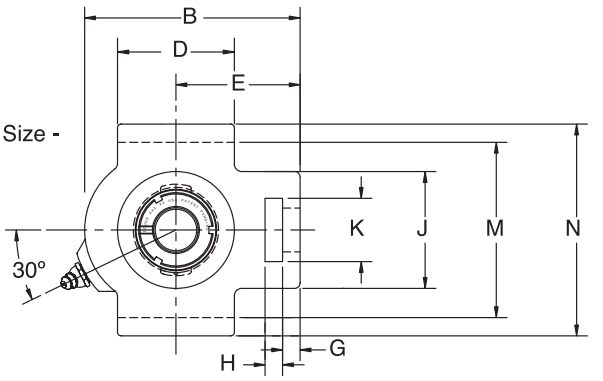
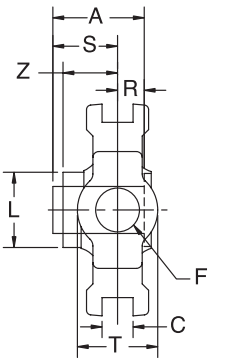
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**136170**	WSTU-GTM-012	**136220**	WSTU-GT-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**136171** ***136303***	WSTU-GTM-100 *WSTU-GTM-25M*	**136221**	WSTU-GTU-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1-3/16 1-1/4 *30mm*	**136172** **136137** ***136304***	WSTU-GTM-103 WSTU-GT-104 *WSTU-GTM-30M*	**136222**	WSTU-GT-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**136173** ***136305***	WSTU-GTM-107 *WSTU-GTM-35M*	**136223**	WSTU-GT-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 *40mm*	**136174** ***136306***	WSTU-GTM-108 *WSTU-GTM-40M*	**136224**	WSTU-GT-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**136175** **136176** ***136307***	WSTU-GTM-111 WSTU-GTM-112 *WSTU-GTM-45M*	**136225**	WSTU-GT-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*

@ Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs / kg	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M*	N	R#	S#	T	Z
205	3/4	2.7	WS300	1-29/64	3-13/16	17/32	2	2-7/16	5/8	3/8	5/8	2	1-5/16	1-51/64	3	3-5/8	1/2	61/64	1-3/8	61/64
				36.9	96.8	13.5	50.8	61.9	15.9	9.5	15.9	50.8	33.3	45.6	76.2	92.1	12.8	24.2	34.9	24.2
206	1	4.1	WS308	1-39/64	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	2-5/64	3-1/2	4-1/8	17/32	1-5/64	1-5/8	1-1/8
	25mm	1.3		40.9	111.1	13.5	57.2	69.9	19.1	9.5	15.9	55.6	36.5	52.8	88.9	104.8	13.5	27.4	41.3	28.7
207	1-3/16	5.1	WS308	1-5/8	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-3/8	3-1/2	4-1/8	9/16	1-1/16	1-5/8	1-9/64
	1-1/4																			
	30mm	3.7		41.3	123.8	13.5	63.5	77.8	19.1	12.7	15.9	63.5	36.5	60.3	88.9	104.8	14.3	27.0	41.3	29.1
208	1-7/16	7.3	WS400	1-27/32	5-11/16	11/16	3-1/4	3-1/2	1	5/8	3/4	3-1/4	1-15/16	2-5/8	4	4-1/2	21/32	1-3/16	1-15/16	1-15/64
	35mm	3.5		46.8	144.5	17.5	82.6	88.9	25.4	15.9	19.1	82.6	49.2	66.7	101.6	114.3	16.7	30.2	49.2	31.5
209	1-1/2	7.2	WS400	1-55/64	5-5/8	11/16	3-1/4	3-7/16	1	5/8	3/4	3-1/4	1-15/16	2-55/64	4	4-3/4	21/32	1-3/16	1-15/16	1-9/32
	40mm	6.1		47.2	142.9	17.5	82.6	87.3	25.4	15.9	19.1	82.6	49.2	72.6	101.6	120.7	16.7	30.2	49.2	32.6
210	1-11/16	7.7	WS400	1-55/64	5-13/16	11/16	3-3/8	3-9/16	1	5/8	3/4	3-1/4	1-15/16	3-1/8	4	4-3/4	21/32	1-13/64	1-15/16	1-9/32
	1-3/4																			
	45mm	7.6		47.2	147.6	17.5	85.7	90.5	25.4	15.9	19.1	82.6	49.2	79.4	101.6	120.7	16.7	30.6	49.2	32.6

#R & S dimensions will vary slightly depending on true shaft diameter.

*+/- .015", +/- .38mm

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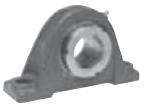
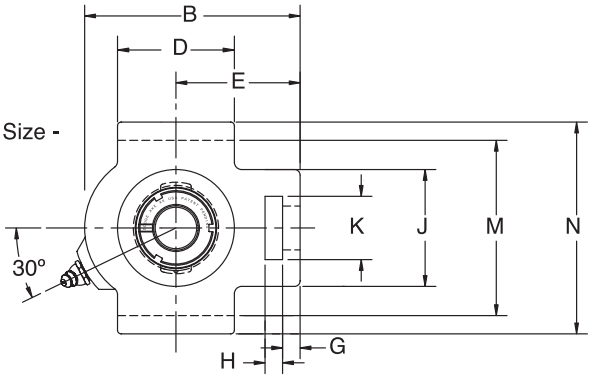
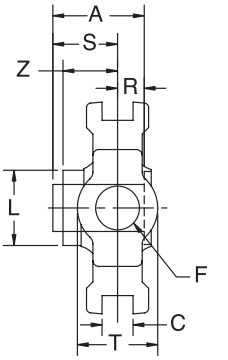
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size - 1/8 - 27 NPT





Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**136177**	WSTU-GTM-115	**136226**	WSTU-GT-11	**129931**	AN-GTM-11-115
	2	**136178**	WSTU-GTM-200			**129932**	AN-GTM-11-200
	50mm	***136308***	*WSTU-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**136179**	WSTU-GTM-203	**136227**	WSTU-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**136180**	WSTU-GTM-204			**129934**	AN-GTM-12-204
	55mm	***136309***	*WSTU-GTM-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**136181**	WSTU-GTM-207	**136228**	WSTU-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**136182**	WSTU-GTM-208			**129936**	AN-GTM-14-208
	65mm	***136310***	*WSTU-GTM-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	**136183**	WSTU-GTM-211	**136229**	WSTU-GT-15	**129937**	AN-GTM-15-211
	70mm	***136311***	*WSTU-GTM-70M*			***129964***	*AN-GTM-15-70M*
216	2-15/16	**136184**	WSTU-GTM-215	**136230**	WSTU-GT-16	**129938**	AN-GTM-16-215
	3	**136185**	WSTU-GTM-300			**129939**	AN-GTM-16-300
	75mm	***136312***	*WSTU-GTM-75M*			***129965***	*AN-GTM-16-75M*

@ Assembled to order

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GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs kg	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M*	N	R#	S#	T	Z
211	1-15/16 2 50mm	11.2 11.3	WS502	1-59/64 48.8	6-11/16 169.9	1-1/16 27.0	3-3/4 95.3	4-3/16 106.4	1-1/4 31.8	3/4 19.1	1 25.4	4 101.6	2-1/2 63.5	3-27/64 86.9	5-1/8 130.2	5-7/8 149.2	45/64 17.9	1-7/32 31.0	2-1/2 63.5	1-11/32 34.0
212	2-3/16 2-1/4 55mm	12.6 12.4	WS502	2-7/64 53.6	7-1/2 190.5	1-1/16 27.0	4 101.6	4-11/16 119.1	1-1/4 31.8	3/4 19.1	1-1/4 31.8	4 101.6	2-1/2 63.5	3-11/16 93.7	5-1/8 130.2	5-7/8 149.2	49/64 19.4	1-11/32 34.1	2-1/2 63.5	1-15/32 37.1
214	2-7/16 2-1/2 65mm	19.4 19.2 9.3	WS515	2-25/64 60.7	8-9/16 217.5	1-1/16 27.0	4-3/4 120.7	5-3/8 136.5	1-1/2 38.1	13/16 20.6	1-1/4 31.8	4-3/8 111.1	2-3/4 69.9	4 101.6	5-15/16 150.8	6-9/16 166.7	7/8 22.2	1-33/64 38.5	2-3/4 69.9	1-19/32 40.5
215	2-11/16 70mm	20.2 8.3	WS515	2-29/64 62.3	9-1/8 231.8	1-1/16 27.0	4-3/4 120.7	5-1/2 139.7	1-1/2 38.1	13/16 20.6	1-1/4 31.8	4-3/8 111.1	2-3/4 69.9	4-7/16 112.7	5-15/16 150.8	6-11/16 169.9	57/64 22.6	1-43/64 42.5	2-3/4 69.9	1-5/8 41.3
216	2-15/16 3 75mm	22.9 9.1	WS608	2-11/16 68.3	9-1/8 231.8	1-1/16 27.0	4-3/4 120.7	5-1/2 139.7	1-1/2 38.1	13/16 20.6	1-1/4 31.8	4-3/8 111.1	2-3/4 69.9	4-11/16 119.1	6-1/2 165.1	7-1/4 184.2	29/32 23.0	1-55/64 47.2	2-3/4 69.9	1-5/8 41.3

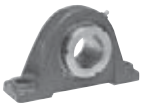
#R & S dimensions will vary slightly depending on true shaft diameter.

*+/-.015", +/-.38mm

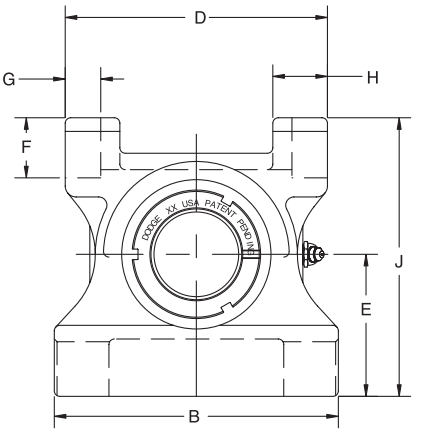
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

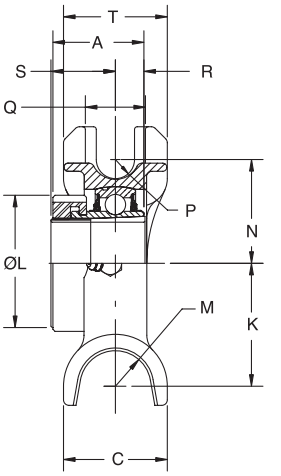
SELECTION/DIMENSIONS

DODGE®



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS





Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
210	1-15/16	**136152**	TP-GT-115	**136231**	TP-GT-10	**129918**	AN-GT-10-115
	2	**136153**	TP-GT-200			**129919**	AN-GT-10-200
211	2	**136189**	TP-GTM-200	**136232**	TP-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**136154**	TP-GT-203			**129920**	AN-GT-11-203
	2-1/4	**136155**	TP-GT-204			**129956**	AN-GT-11-204
212	2-1/4	**136191**	TP-GTM-204	**136233**	TP-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**136156**	TP-GT-207			**129921**	AN-GT-12-207
214	2-1/2	**136193**	TP-GTM-208	**136234**	TP-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**136157**	TP-GT-211			**129922**	AN-GT-14-211
215	2-15/16	**136158**	TP-GT-215	**136235**	TP-GT-15	**129923**	AN-GT-15-215

@ Assembled to order

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C	D	E	J	L	R#	S#	T	Z
210	1-15/16 2	11.4 11.2	TP10	1-55/64	6-1/2	2-3/8	6	3-1/4	6-3/8	3-1/8	21/32	1-13/64	2-3/8	1-9/32
211	2 2-3/16 2-1/4	13.7 13.2	TP20	1-59/64	7	2-1/2	6-3/4	3-3/8	6-7/8	3-27/64	45/64	1-7/32	2-3/8	1-11/32
212	2-1/4 2-7/16	17.2 17.1	TP30	2-7/64	7-1/2	2-3/4	7	3-1/2	7-7/16	3-11/16	49/64	1-11/32	2-3/4	1-15/32
214	2-1/2 2-11/16	22.5 22.3	TP40	2-25/64	8-1/2	2-1/2	8	4	8-5/16	4	7/8	1-33/64	2-3/4	1-19/32
215	2-15/16	22.4	TP40	2-29/64	8-1/2	2-1/2	8	4	8-5/16	4-7/16	57/64	1-43/64	2-3/4	1-5/8

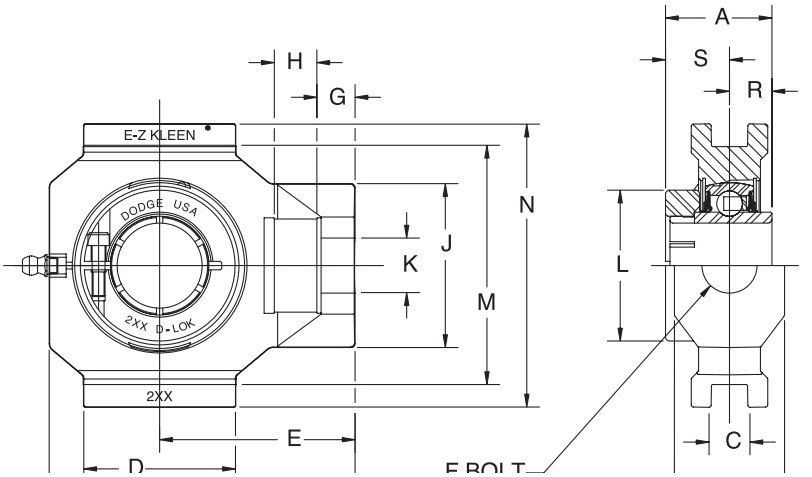
Lube fitting thread size - 1/8-27 NPT

#R & S dimensions will vary slightly depending on true shaft diameter.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS



Series	Shaft Size	Complete Unit		Unit Without Adapter & Nut		Adapter & Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
210	1-11/16	**136186**	TP-GTM 111	**136231**	TP-GT-10	**129929**	AN-GTM-10-111
	1 -3/4	**136187**	TP-GTM-112			**129930**	AN-GTM-10-112
211	1-15/16	**136188**	TP-GTM 115	**136232**	TP-GT-11	**129931**	AN-GTM-11-115
	2	**136189**	TP-GTM-200			**129932**	AN-GTM-11-200
212	2 -3/16	**136190**	TP-GTM-203	**136233**	TP-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**136191**	TP-GTM-204			**129934**	AN-GTM-12-204
214	2-7/16	**136192**	TP-GTM-207	**136234**	TP-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**136193**	TP-GTM-208			**129936**	AN-GTM-14-208
215	2-11/16	**136194**	TP-GM-211	**136235**	TP-GT-15	**129937**	AN-GTM-15-211
216	2 -5/16	**136195**	TP-GTM 215	**136236**	TP-GT-16	**129938**	AN-GTM-16-215
	3	**136196**	TP-GTM-300			**129939**	AN-GTM-16-300
218	3-7/16	**136197**	TP-GTM-307	**136237**	TP-GT-18	**129940**	AN-GTM-18-307
	3-1/2	**136198**	TP-GTM-308			**129941**	AN-GTM-18-308

FEATURES/BENEFITS PAGE B2-2 | HOW TO ORDER/NOMENCLATURE PAGE B2-4 | SELECTION PAGE B2-5 | RELATED PRODUCTS PAGE B2-96

DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C	D	E	J	L	R#	S#	T	Z
210	1-11/16 1 -3/4	11.6 11.2	TP10	1-55/64	6-1/2	2-3/8	6	3-1/4	6-3/8	3-1/8	21/32	1-13/64	2-3/8	1-9/32
211	1-15/16 2	14.0 13.7	TP20	1-59/64	7	2-1/2	6-3/4	3-3/8	6-7/8	3-27/64	45/64	1-7/32	2-3/8	1-11/32
212	2 -3/16 2-1/4	17.4 17.2	TP30	2-7/64	7-1/2	2-3/4	7	3-1/2	7-7/16	3-11/16	49/64	1-11/32	2-3/4	1-15/32
214	2-7/16 2-1/2	22.9 22.5	TP40	2-25/64	8-1/2	2-1/2	8	4	8-5/16	4	7/8	1-33/64	2-3/4	1-19/32
215	2-11/16	26.2	TP40	2-29/64	8-1/2	2-1/2	8	4	8-5/16	4-7/16	57/64	1-43/64	2-3/4	1-5/8
216	2 -15/16 3	31.0 30.7	TP50	2-11/16	9-1/2	2-3/4	9	4-1/2	9-5/8	4-11/16	29/32	1-55/64	3-1/8	1-5/8
218	3-7/16 3-1/2	41.4 41.1	TP50	2-51/64	11	3-1/8	10-1/2	5-1/2	11	5-3/16	1	1-51/64	3-1/8	1-45/64

Lube fitting thread size - 1/8-27 NPT
#R & S dimensions will vary slightly depending on true shaft diameter.

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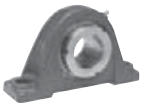
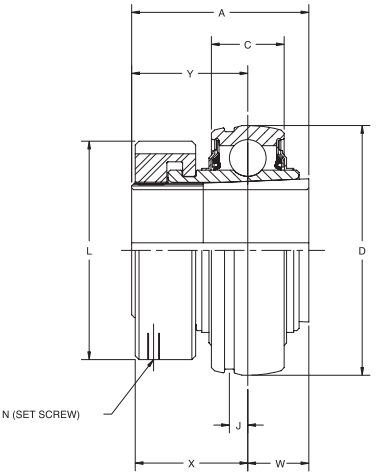
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**129774**	INS-GT-008	**129516**	INS-GT-03	**129902**	AN-GT-03-008
	5/8	**129775**	INS-GT-010			**129903**	AN-GT-03-010
	17mm	***129796***	*INS-GT-17M*			***129942***	*AN-GT-03-17M*
204	3/4	**129776**	INS-GT-012	**129517**	INS-GT-04	**129904**	AN-GT-04-012
	20mm	***129797***	*INS-GT-20M*			***129943***	*AN-GT-04-20M*
205	7/8	**129777**	INS-GT-014	**129518**	INS-GT-05	**129905**	AN-GT-05-014
	15/16	**129778**	INS-GT-015			**129906**	AN-GT-05-015
	1	**129779**	INS-GT-100			**129907**	AN-GT-05-100
	25mm	***129798***	*INS-GT-25M*			***129944***	*AN-GT-05-25M*
206	1-1/8	**129780**	INS-GT-102	**129519**	INS-GT-06	**129908**	AN-GT-06-102
	1-3/16	**129781**	INS-GT-103			**129909**	AN-GT-06-103
	1-1/4	**129782**	INS-GT-104S			**129910**	AN-GT-06-104S
	30mm	***129799***	*INS-GT-30M*			***129945***	*AN-GT-06-30M*
207	1-1/4	**129783**	INS-GT-104	**129520**	INS-GT-07	**129911**	AN-GT-07-104
	1-3/8	**129784**	INS-GT-106			**129912**	AN-GT-07-106
	1-7/16	**129785**	INS-GT-107			**129913**	AN-GT-07-107
	35mm	***129800***	*INS-GT-35M*			***129946***	*AN-GT-07-35M*

@ Assembled to order.

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GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY BEARING INSERTS

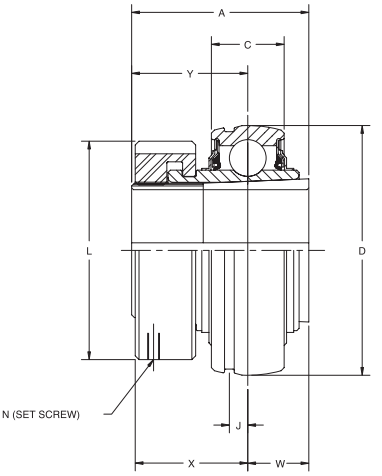
Series	Shaft Size	Weight lbs *kg*	A	C	D	J	L	N SetScrew (UNF)	W#	X	Y#
203	1/2 5/8 *17mm*	0.3 0.3 *0.1*	1-11/32 *34.1*	0.5110 *13.0*	1.5748 *40.0*	0.150 *3.8*	1-13/32 *35.7*	#10-32 x 1/4	13/32 *10.3*	59/64 *23.4*	15/16 *23.8*
204	3/4 *20mm*	0.6 *0.3*	1-15/32 *37.3*	0.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-1/2 *38.1*	#10-32 x 1/4	31/64 *12.3*	63/64 *25.0*	63/64 *25.0*
205	7/8 15/16 1 *25mm*	0.8 0.8 0.8 *0.4*	1-29/64 *36.9*	0.5906 *15.0*	2.0472 *52.0*	0.152 *3.9*	1-51/64 *45.6*	#10-32 x 1/4	1/2 *12.8*	61/64 *24.2*	61/64 *24.2*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.2 1.2 1.1 *0.6*	1-39/64 *40.9*	0.7087 *18.0*	2.4409 *62.0*	0.190 *4.8*	2 *51.0*	#10-32 x 1/4	17/32 *13.5*	1-1/32 *26.2*	1-5/64 *27.4*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.8 1.8 1.7 *0.8*	1-5/8 *41.3*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-19/64 *58.3*	#10-32 x 1/4	9/16 *14.3*	1-3/64 *26.6*	1-1/16 *27.0*

#W & Y dimensions will vary slightly depending on true shaft diameter.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**129786**	INS-GT-108	**129521**	INS-GT-08	**129914**	AN-GT-08-108
	1-5/8	**129844**	INS-GT-110			**129955**	AN-GT-08-110
	40mm	***129801***	*INS-GT-40M*			***129947***	*AN-GT-08-40M*
209	1-5/8	**129787**	INS-GT-110L	**129522**	INS-GT-09	**129915**	AN-GT-09-110L
	1-11/16	**129788**	INS-GT-111			**129916**	AN-GT-09-111
	1-3/4	**129789**	INS-GT-112			**129917**	AN-GT-09-112
	45mm	***129802***	*INS-GT-45M*			***129948***	*AN-GT-09-45M*
210	1-15/16	**129790**	INS-GT-115	**129523**	INS-GT-10	**129918**	AN-GT-10-115
	2	**129791**	INS-GT-200			**129919**	AN-GT-10-200
	50mm	***129803***	*INS-GT-50M*			***129949***	*AN-GT-10-50M*
211	2	**129815**	INS-GTM-200	**129524**	INS-GT-11	**129932**	AN-GTM-11-200
	2-3/16	**129792**	INS-GT-203			**129920**	AN-GT-11-203
	2-1/4	**129845**	INS-GT-204			**129956**	AN-GT-11-204
	55mm	***129804***	*INS-GT-55M*			***129950***	*AN-GT-11-55M*
212	2-1/4	**129817**	INS-GTM-204	**129525**	INS-GT-12	**129934**	AN-GTM-12-204
	2-7/16	**129793**	INS-GT-207			**129921**	AN-GT-12-207
	60mm	***129805***	*INS-GT-60M*			***129951***	*AN-GT-12-60M*
214	2-1/2	**129819**	INS-GTM-208	**129526**	INS-GT-14	**129936**	AN-GTM-14-208
	2-11/16	**129794**	INS-GT-211			**129922**	AN-GT-14-211
	70mm	***129806***	*INS-GT-70M*			***129952***	*AN-GT-14-70M*
215	2-15/16	**129795**	INS-GT-215	**129527**	INS-GT-15	**129923**	AN-GT-15-215
	3	**@**	INS-GT-300			**129987**	AN-GT-15-300
	75mm	***129807***	*INS-GT-75M*			***129953***	*AN-GT-15-75M*

@ Assembled to order.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

GRIP TIGHT Adapter Ball Bearings
GT NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs *kg*	A	C	D	J	L	N SetScrew (UNF)	W#	X	Y#
208	1-1/2 1-5/8 *40mm*	2.2 2.0 *1.0*	1-27/32 *46.8*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-1/2 *63.5*	#10-32 x 1/4	21/32 *16.7*	1-9/64 *29.0*	1-3/16 *30.2*
209	1-5/8 1-11/16 1-3/4 *45mm*	2.5 2.5 2.5 *1.2*	1-27/32 *46.8*	0.8661 *22.0*	3.3465 *85.0*	0.248 *6.3*	2-43/64 *67.9*	#10-32 x 1/4	21/32 *16.7*	1-5/32 *29.4*	1-3/16 *30.2*
210	1-15/16 2 *50mm*	3.0 3.0 *1.4*	1-55/64 *47.2*	0.8661 *22.0*	3.5433 *90.0*	0.248 *6.3*	2-15/16 *74.6*	#10-32 x 1/4	21/32 *16.7*	1-5/32 *29.4*	1-13/64 *30.6*
211	2 2-3/16 2-1/4 *55mm*	3.6 3.4 3.3 *1.6*	1-59/64 *48.8*	0.9449 *24.0*	3.9370 *100.0*	0.267 *6.8*	3-1/4 *82.6*	#10-32 x 1/4	45/64 *17.9*	1-3/16 *30.2*	1-7/32 *31.0*
212	2-1/4 2-7/16 *60mm*	4.8 4.8 *2.2*	2-7/64 *53.6*	1.0240 *26.0*	4.3307 *110.0*	0.250 *6.4*	3-1/2 *88.9*	#10-32 x 1/4	49/64 *19.4*	1-5/16 *33.3*	1-11/32 *34.1*
214	2-1/2 2-11/16 *70mm*	5.4 5.0 *2.5*	2-25/64 *60.7*	1.1020 *28.0*	4.9213 *125.0*	0.265 *6.7*	3-13/16 *96.8*	#10-32 x 1/4	7/8 *22.2*	1-15/32 *37.3*	1-33/64 *38.5*
215	2-15/16 3 *75mm*	5.9 5.7 *2.7*	2-9/16 *65.1*	1.1420 *29.0*	5.1181 *130.0*	0.265 *6.7*	4-1/4 *108.0*	#10-32 x 1/4	57/64 *22.6*	1-5/8 *41.3*	1-43/64 *42.5*

#W & Y dimensions will vary slightly depending on true shaft diameter.

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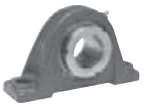
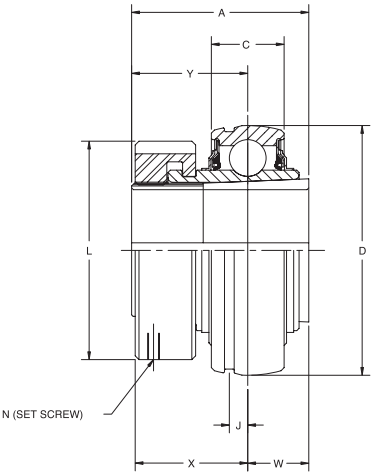
SELECTION/DIMENSIONS



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY BEARING INSERTS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
205	3/4	**129417**	INS-GTM-012	**129518**	INS-GT-05	**129924**	AN-GTM-05-012
206	1 *25mm*	**129808** ***129889***	INS-GTM-100 *INS-GTM-25M*	**129519**	INS-GT-06	**129925** ***129957***	AN-GTM-06-100 *AN-GTM-06-25M*
207	1-3/16 1-1/4 *30mm*	**129809** **129783** ***129890***	INS-GTM-103 INS-GT-104 *INS-GTM-30M*	**129520**	INS-GT-07	**129926** **129911** ***129954***	AN-GTM-07-103 AN-GT-07-104 *AN-GTM-07-30M*
208	1-7/16 *35mm*	**129810** ***129891***	INS-GTM-107 *INS-GTM-35M*	**129521**	INS-GT-08	**129927** ***129958***	AN-GTM-08-107 *AN-GTM-08-35M*
209	1-1/2 1-5/8 *40mm*	**129811** **129787** ***129892***	INS-GTM-108 INS-GT-110L *INS-GTM-40M*	**129522**	INS-GT-09	**129928** ***129959***	AN-GTM-09-108 *AN-GTM-09-40M*
210	1-11/16 1-3/4 *45mm*	**129812** **129813** ***129893***	INS-GTM-111 INS-GTM-112 *INS-GTM-45M*	**129523**	INS-GT-10	**129929** **129930** ***129960***	AN-GTM-10-111 AN-GTM-10-112 *AN-GTM-10-45M*

@ Assembled to order.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY BEARING INSERTS

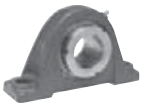
Series	Shaft Size	Weight lbs *kg*	A	C	D	J	L	N SetScrew (UNF)	W#	X	Y#
205	3/4	0.9	1-29/64	0.5906	2.0472	0.152	1-51/64	#10-32 x 1/4	1/2	61/64	61/64
206	1 *25mm*	1.8 *0.8*	1-39/64 *40.9*	0.7087 *18.0*	2.4409 *62.0*	0.190 *4.8*	2 *51.0*	#10-32 x 1/4	17/32 *13.5*	1-1/32 *26.2*	1-5/64 *27.4*
207	1-3/16 1-1/4 *30mm*	2.2 1.7 *1.0*	1-5/8 *41.3*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-19/64 *58.3*	#10-32 x 1/4	9/16 *14.3*	1-3/64 *26.6*	1-1/16 *27.0*
208	1-7/16 *35mm*	2.5 *1.1*	1-27/32 *46.8*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-1/2 *63.5*	#10-32 x 1/4	21/32 *16.7*	1-9/64 *29.0*	1-3/16 *30.2*
209	1-1/2 1-5/8 *40mm*	3.0 2.5 *1.1*	1-55/64 *47.2*	0.8661 *22.0*	3.3465 *85.0*	0.248 *6.3*	2-43/64 *67.9*	#10-32 x 1/4	21/32 *16.7*	1-5/32 *29.4*	1-3/16 *30.2*
210	1-11/16 1-3/4 *45mm*	3.0 3.0 *1.4*	1-55/64 *47.2*	0.8661 *22.0*	3.5433 *90.0*	0.248 *6.3*	2-15/16 *74.6*	#10-32 x 1/4	21/32 *16.7*	1-5/32 *29.4*	1-13/64 *30.6*

#W & Y dimensions will vary slightly depending on true shaft diameter.

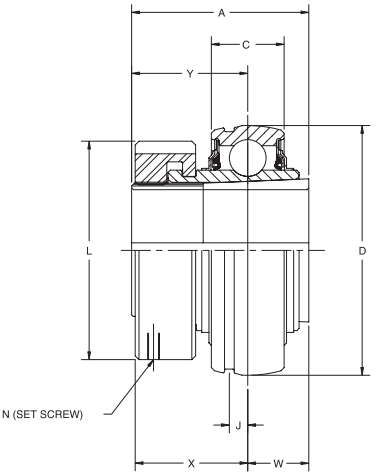
FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

SELECTION/DIMENSIONS

DODGE®



GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY BEARING INSERTS



Series	Shaft Size	Complete Unit		Unit without Adapter Sleeve & Lock Nut		Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description	Part No.	Description	Part No.	Description
211	1-15/16	**129814**	INS-GTM-115	**129524**	INS-GT-11	**129931**	AN-GTM-11-115
	2	**129815**	INS-GTM-200			**129932**	AN-GTM-11-200
	50mm	***129894***	*INS-GTM-50M*			***129961***	*AN-GTM-11-50M*
212	2-3/16	**129816**	INS-GTM-203	**129525**	INS-GT-12	**129933**	AN-GTM-12-203
	2-1/4	**129817**	INS-GTM-204			**129934**	AN-GTM-12-204
	55mm	***129895***	*INS-GTM-55M*			***129962***	*AN-GTM-12-55M*
214	2-7/16	**129818**	INS-GTM-207	**129526**	INS-GT-14	**129935**	AN-GTM-14-207
	2-1/2	**129819**	INS-GTM-208			**129936**	AN-GTM-14-208
	65mm	***129896***	*INS-GTM-65M*			***129963***	*AN-GTM-14-65M*
215	2-11/16	**129820**	INS-GTM-211	**129527**	INS-GT-15	**129937**	AN-GTM-15-211
	70mm	***129897***	*INS-GTM-70M*			***129964***	*AN-GTM-15-70M*
216	2-15/16	**129821**	INS-GTM-215	**129528**	INS-GT-16	**129938**	AN-GTM-16-215
	3	**129822**	INS-GTM-300			**129939**	AN-GTM-16-300
	75mm	***129898***	*INS-GTM-75M*			***129965***	*AN-GTM-16-75M*
218	3-7/16	**129823**	INS-GTM-307	**129529**	INS-GT-18	**129940**	AN-GTM-18-307
	3-1/2	**129824**	INS-GTM-308			**129941**	AN-GTM-18-308
	85mm	***129899***	*INS-GTM-85M*			***129966***	*AN-GTM-18-85M*

@ Assembled to order.

FEATURES/BENEFITS PAGE B2-2	HOW TO ORDER/NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	RELATED PRODUCTS PAGE B2-96

DODGE®

GRIP TIGHT Adapter Ball Bearings
GTM MEDIUM DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs *kg*	A	C	D	J	L	N SetScrew (UNF)	W#	X	Y#
211	1-15/16 2 *50mm*	3.4 3.3 *1.5*	1-59/64 *48.8*	0.9449 *24.0*	3.9370 *100.0*	0.267 *6.8*	3-1/4 *82.6*	#10-32 x 1/4	45/64 *17.9*	1-3/16 *30.2*	1-7/32 *31.0*
212	2-3/16 2-1/4 *55mm*	4.9 4.8 *2.2*	2-7/64 *53.6*	1.0240 *26.0*	4.3307 *110.0*	0.250 *6.4*	3-1/2 *88.9*	#10-32 x 1/4	49/64 *19.4*	1-5/16 *33.3*	1-11/32 *34.1*
214	2-7/16 2-1/2 *65mm*	5.5 5.4 *2.5*	2-25/64 *60.7*	1.1020 *28.0*	4.9213 *125.0*	0.265 *6.7*	3-13/16 *96.8*	#10-32 x 1/4	7/8 *22.2*	1-15/32 *37.3*	1-33/64 *38.5*
215	2-11/16 *70mm*	5.9 *2.7*	2-9/16 *65.1*	1.1420 *29.0*	5.1181 *130.0*	0.265 *6.7*	4-1/4 *108.0*	#10-32 x 1/4	57/64 *22.6*	1-5/8 *41.3*	1-43/64 *42.5*
216	2-15/16 3 *75mm*	6.9 6.8 *3.2*	2-49/64 *70.2*	1.1810 *30.0*	5.5118 *140.0*	0.285 *7.2*	4-1/2 *114.3*	#10-32 x 1/4	29/32 *23.0*	1-51/64 *45.6*	1-55/64 *47.2*
218	3-7/16 3-1/2 *85mm*	8.8 8.7 *4.0*	2-51/64 *71.0*	1.3400 *34.0*	6.2992 *160.0*	0.300 *7.6*	5 *127.0*	#10-32 x 1/4	1 *25.3*	1-3/4 *44.5*	1-51/64 *45.6*

#W & Y dimensions will vary slightly depending on true shaft diameter.

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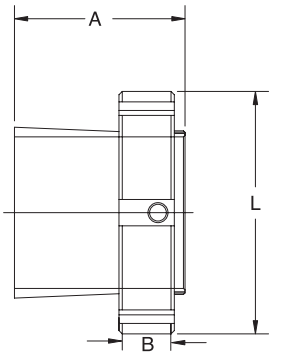
SELECTION/DIMENSIONS

GRIP TIGHT Adapter Ball Bearings
GT AND GTM ADAPTER & LOCK NUT ASSEMBLIES



Series	Shaft Size	Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description
203	1/2	**129902**	AN-GT-03-008
	5/8	**129903**	AN-GT-03-010
	17mm	***129942***	*AN-GT-03-17M*
204	3/4	**129904**	AN-GT-04-012
	20mm	***129943***	*AN-GT-04-20M*
205	3/4	**129924**	AN-GTM-05-012
	7/8	**129905**	AN-GT-05-014
	15/16	**129906**	AN-GT-05-015
	1	**129907**	AN-GT-05-100
	25mm	***129944***	*AN-GT-05-25M*
206	1	**129925**	AN-GTM-06-100
	1-1/8	**129908**	AN-GT-06-102
	1-3/16	**129909**	AN-GT-06-103
	1-1/4	**129910**	AN-GT-06-104S
	25mm	***129957***	*AN-GTM-06-25M*
	30mm	***129945***	*AN-GT-06-30M*
207	1-3/16	**129926**	AN-GTM-07-103
	1-1/4	**129911**	AN-GT-07-104
	1-3/8	**129912**	AN-GT-07-106
	1-7/16	**129913**	AN-GT-07-107
	30mm	***129954***	*AN-GTM-07-30M*
	35mm	***129946***	*AN-GT-07-35M*
208	1-7/16	**129927**	AN-GTM-08-107
	1-1/2	**129914**	AN-GT-08-108
	1-5/8	**129955**	AN-GT-08-110
	35mm	***129958***	*AN-GTM-08-35M*
	40mm	***129947***	*AN-GT-08-40M*
209	1-1/2	**129928**	AN-GTM-09-108
	1-5/8	**129915**	AN-GT-09-110L
	1-11/16	**129916**	AN-GT-09-111
	1-3/4	**129917**	AN-GT-09-112
	40mm	***129959***	*AN-GTM-09-40M*
	45mm	***129948***	*AN-GT-09-45M*

Series	Shaft Size	Adapter Sleeve & Lock Nut Assembly	
		Part No.	Description
210	1-11/16	**129929**	AN-GTM-10-111
	1-3/4	**129930**	AN-GTM-10-112
	1-15/16	**129918**	AN-GT-10-115
	2	**129919**	AN-GT-10-200
	45mm	***129960***	*AN-GTM-10-45M*
	50mm	***129949***	*AN-GT-10-50M*
211	1-15/16	**129931**	AN-GTM-11-115
	2	**129932**	AN-GTM-11-200
	2-3/16	**129920**	AN-GT-11-203
	2-1/4	**129956**	AN-GT-11-204
	50mm	***129961***	*AN-GTM-11-50M*
	55mm	***129950***	*AN-GT-11-55M*
212	2-3/16	**129933**	AN-GTM-12-203
	2-1/4	**129934**	AN-GTM-12-204
	2-7/16	**129921**	AN-GT-12-207
	55mm	***129962***	*AN-GTM-12-55M*
	60mm	***129951***	*AN-GT-12-60M*
214	2-7/16	**129935**	AN-GTM-14-207
	2-1/2	**129936**	AN-GTM-14-208
	2-11/16	**129922**	AN-GT-14-211
	65mm	***129963***	*AN-GTM-14-65M*
	70mm	***129952***	*AN-GT-14-70M*
215	2-11/16	**129937**	AN-GTM-15-211
	2-15/16	**129923**	AN-GT-15-215
	3	**129987**	AN-GT-15-300
	70mm	***129964***	AN-GTM-15-70M
	75mm	***129953***	AN-GT-15-75M
216	2-15/16	**129938**	AN-GTM-16-215
	3	**129939**	AN-GTM-16-300
	75mm	***129965***	*AN-GTM-16-75M*
218	3-7/16	**129940**	AN-GTM-18-307
	3-1/2	**129941**	AN-GTM-18-308
	85mm	***129966***	*AN-GTM-18-85M*

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DODGE®

GRIP TIGHT Adapter Ball Bearings
GT AND GTM ADAPTER & LOCK NUT ASSEMBLIES

Series	Shaft Size	Weight lbs kg	A	B	L
203	1/2 5/8 *17mm*	.3 .2 *.1*	1.290 *32.8*	33/64 *13.1*	1.40 *35.6*
204	3/4 *20mm*	.3 *.1*	1.475 *37.5*	37/64 *14.7*	1.50 *38.1*
205	3/4 7/8 15/16 1 *25mm*	.4 .4 .4 .3 *.1*	1.460 *37.1*	37/64 *14.7*	1.80 *45.7*
206	1 1-1/8 1-3/16 1-1/4 *25mm* *30mm*	.5 .4 .4 .3 *.2* *.2*	1.610 *40.9*	5/8 *15.9*	2.08 *52.8*
207	1-3/16 1-1/4 1-3/8 1-7/16 *30mm* *35mm*	.7 .6 .5 .5 *.2* *.2*	1.618 *41.1*	5/8 *15.9*	2.38 *60.5*
208	1-7/16 1-1/2 1-5/8 *35mm* *40mm*	.8 .7 .5 *.4* *.3*	1.837 *46.7*	5/8 *15.9*	2.62 *66.5*
209	1-1/2 1-5/8 1-11/16 1-3/4 *40mm* *45mm*	.9 .8 .7 .6 *.4* *.3*	1.852 *47.0*	21/32 *16.7*	2.86 *72.6*

Series	Shaft Size	Weight lbs kg	A	B	L
210	1-11/16 1-3/4 1-15/16 2 *45mm* *50mm*	1.1 1.0 .8 .7 *.5* *.3*	1.858 *47.2*	21/32 *16.7*	3.13 *79.5*
211	1-15/16 2 2 -3/16 2 -1/4 *50mm* *55mm*	1.4 1.2 .9 .8 *.6* *.4*	1.925 *48.9*	43/64 *17.1*	3.43 *87.1*
212	2 -3/16 2 -1/4 2 -7/16 *55mm* *60mm*	1.6 1.5 1.1 *.7* *.6*	2.116 *53.8*	3/4 *19.1*	3.69 *93.7*
214	2 -7/16 2 -1/2 2 -11/16 *65mm* *70mm*	2.2 2.0 1.5 *.8* *.6*	2.386 *60.6*	3/4 *19.1*	4.00 *101.6*
215	2/11/16 2-15/16 3 *70mm* *75mm*	3.0 2.2 *1.3* *1.0*	2.460 *62.5*	3/4 *19.1*	4.44 *112.8*
216	2-15/16 3 *75mm*	3.0 2.8 *1.4*	2.695 *68.5*	3/4 *19.1*	4.69 *119.1*
218	3 -7/16 3 -1/2 *85mm*	3.4 3.1 *1.7*	2.800 *71.1*	53/64 *21.0*	5.19 *131.8*

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RELATED PRODUCTS

DODGE Ball Bearing End Covers

- Fits DODGE cast iron housed ball bearings: Pillow Blocks, 2 and 4 Bolt flanges, and Take-Up bearings
- Injected molded, impact resistant, OSHA safety yellow end covers meet requirements for exposed rotating shafts
- Stainless steel “C” washer for gripping power
- No modification or machining of existing housings required
- Concentric knockout grooves on inside of end cover for thru-shaft
- DODGE six digit part number and description embossed inside
- Operating temperature to 250˚ F
- For no relubrication/sealed for life applications (-NL), part number **430020** hex head plug is available

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Nomenclature

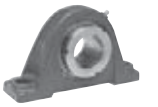
EC - 205 - P

- P: "Blank" Fits all housing styles as noted. P - Pillow blocks, including tapped base. X - All other housing styles as noted
- 205: ISO & ABMA ring size
- EC: End Cover

Series	Pillow Blocks Std, U, B	Tapped Base PB	2 Bolt Flange	Flanged Bracket	4 Bolt Flange	Piloted Flange (FC)	Narrow Slot Take-Up	Wide Slot Take-Up
203	X		X		X			
204	X	X	X	X	X		X	X
205	X	X	X	X	X		X	X
206	X	X	X	X	X	@	X	X
207	X	X	X	X	X	@	X	X
208	X	X	X		X	@	X	X
209	X	X	X		X	@	X	X
210	X	X	X	X	X	@	X	X
211	X	X	X		X	NA	X	X
212	X		X		X	NA	X	X
214	X				X	NA		X
215	X				X			X
216	X				X	X		X
218	X				X	X		

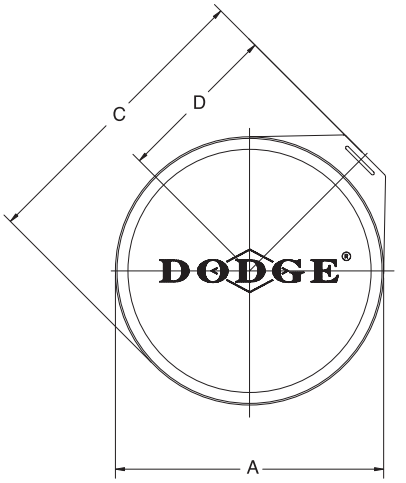
* = Will not fit LF, LFT, SCHB, HNGR & CYL
@ = Some modification required
NA = Will not fit
X = Will fit

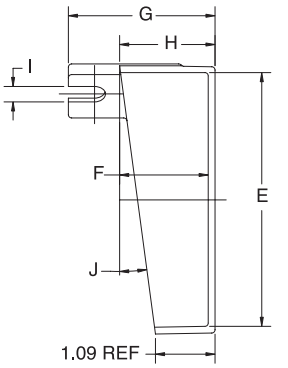
RELATED PRODUCTS



Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS





Series	Shaft Size		Part Number	Description
	GT	GTM		
203	1/2 & 5/8 17mm	- - - - -	**128200**	EC-203-P
204	1/2 - 3/4 20mm	- - - - -	**128202**	EC-204-P
205	7/8 - 1 25mm	- - - - -	**128204**	EC-205-P
206	1-1/16 - 1-1/4 *30mm*	1 *25mm*	**128206**	EC-206-P
207	1-1/4 -1-7/16 *35mm*	1-3/16 -1-1/4 *30mm*	**128208**	EC-207-P
208	1-1/2 &1-5/8 *40mm*	1-7/16 *35mm*	**128210**	EC-208-P
209	1-5/8 -1-3/4 *45mm*	1-1/2 *40mm*	**128212**	EC-209-P
210	1-15/16 & 2 *50mm*	1-11/16 &1-3/4 *45mm*	**128214**	EC-210-P
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128216**	EC-211-P
212	2-1/4 & 2-7/16 *60mm*	2-3/16 & 2-1/4 *55mm*	**128218**	EC-212-P

For no re-lube (-NL) applications, part number **430020**, hex head plug is available

DODGE®

Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size		Weight lbs *gm*	A	B	C	D	E	F	G	H	I	J
	GT	GTM											
203	1/2 & 5/8 *17mm*	- - - - -	0.02 *10*	1-25/32 *45.2*	1-43/64 *42.5*	2-7/64 *53.6*	1-3/32 *27.8*	1-41/64 *41.7*	49/64 *19.4*	1-29/64 *36.9*	29/32 *23.0*	1/4 *6.4*	9º
204	1/2 - 3/4 *20mm*	- - - - -	0.03 *15*	2-3/64 *52.0*	1-27/32 *46.8*	2-37/64 *65.5*	1-19/64 *32.9*	1-55/64 *47.2*	1-1/64 *25.8*	1-49/64 *44.8*	1-5/32 *29.4*	5/16 *7.9*	11º
205	7/8 - 1 *25mm*	- - - - -	0.05 *24*	2-3/8 *60.3*	2-3/16 *55.6*	2-13/16 *71.4*	1-3/16 *30.2*	2-5/32 *54.8*	1-1/16 *27.0*	1-7/8 *47.6*	1-7/32 *31.0*	11/32 *8.7*	9º
206	1-1/16 -1-1/4 *30mm*	1 *25mm*	0.08 *36*	2-47/64 *69.5*	2-17/32 *64.3*	3-21/64 *84.5*	1-45/64 *43.3*	2-1/2 *63.5*	1-15/64 *31.4*	2-5/32 *54.8*	1-13/32 *35.7*	23/64 *9.1*	9º
207	1-1/4 -1-7/16 *35mm*	1-3/16 -1-1/4 *30mm*	0.12 *53*	3-1/4 *82.6*	3 *76.2*	3-51/64 *96.4*	1-29/32 *48.4*	3-1/64 *76.6*	1-5/16 *33.3*	2-11/32 *59.5*	1-31/64 *37.7*	3/8 *9.5*	7º 30'
208	1-1/2 &1-5/8 *40mm*	1-7/16 *35mm*	0.14 *64*	3-3/8 *85.7*	3-1/8 *79.4*	4 *101.6*	2-1/16 *52.4*	3-7/64 *79.0*	1-19/64 *32.9*	2-13/16 *71.4*	1-1/2 *38.1*	27/64 *10.7*	6º
209	1-5/8 -1-3/4 *45mm*	1-1/2 *40mm*	0.16 *73*	3-11/16 *93.7*	3-15/32 *88.1*	4-17/64 *108.3*	2-11/64 *55.2*	3-13/32 *86.5*	1-21/64 *33.7*	2-21/64 *59.1*	1-17/32 *38.9*	25/64 *9.9*	7º
210	1-15/16 & 2 *50mm*	1-11/16 &1-3/4 *45mm*	0.18 *82*	3-7/8 *98.4*	3-37/64 *90.9*	4-1/2 *114.3*	2-19/32 *65.9*	3-37/64 *90.9*	1-23/64 *34.5*	2-1/2 *63.5*	1-9/16 *39.7*	31/64 *12.3*	9º
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	0.24 *108*	4-27/64 *112.3*	4 *101.6*	5-1/16 *128.6*	2-19/32 *65.9*	4-1/8 *104.8*	1-13/32 *35.7*	2-37/64 *65.5*	1-5/8 *41.3*	29/64 *11.5*	7º
212	2-1/4 & 2-7/16 *60mm*	2-3/16 & 2-1/4 *55mm*	0.27 *124*	4-59/64 *125.0*	4-15/32 *113.5*	5 29/64 *138.5*	2-3/4 *69.9*	4-39/64 *117.1*	1-17/32 *38.9*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.3*	8º

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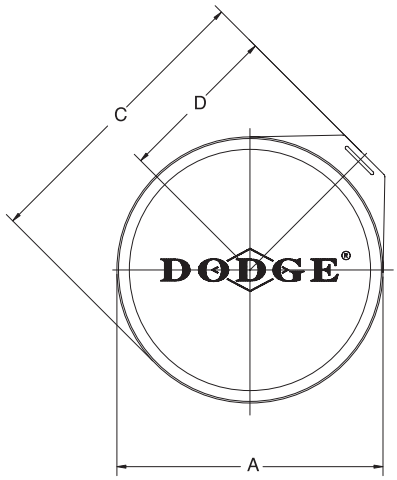
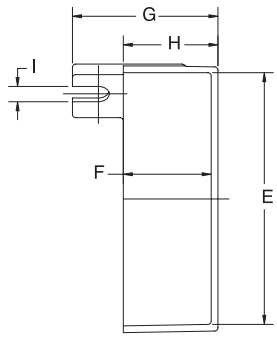
RELATED PRODUCTS

Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS





Series	Shaft Size		Part Number	Description
	GT	GTM		
203	1/2 & 5/8 *17mm*	- - - - -	**128201**	EC-203-X
204	1/2 - 3/4 *20mm*	- - - - -	**128203**	EC-204-X
205	7/8 - 1 *25mm*	- - - - -	**128205**	EC-205-X
206	1-1/16 -1-1/4 *30mm*	1 *25mm*	**128207**	EC-206-X
207	1-1/4 -1-7/16 *35mm*	1-3/16 -1-1/4 *30mm*	**128209**	EC-207-X
208	1-1/2 &1-5/8 *40mm*	1-7/16 *35mm*	**128211**	EC-208-X
209	1-5/8 -1-3/4 *45mm*	1-1/2 *40mm*	**128213**	EC-209-X
210	1-15/16 & 2 *50mm*	1-11/16 &1-3/4 *45mm*	**128215**	EC-210-X
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128217**	EC-211-X
212	2-1/4 & 2-7/16 *60mm*	2-3/16 & 2-1/4 *55mm*	**128219**	EC-212-X

Note: Above end covers will not fit the LF and LFT bearings

For no re-lube (-NL) applications, part number 430020, hex head plug is available

DODGE®

Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size		Weight lbs *gm*	A	B	C	D	E	F	G	H	I
	GT	GTM										
203	1/2 & 5/8 *17mm*	- - - - -	0.02 *10*	1-51/64 *45.6*	1-43/64 *42.5*	2-13/64 *56.0*	1-3/16 *30.2*	1-41/64 *41.7*	51/64 *20.2*	1-29/64 *36.9*	15/16 *23.8*	1/4 *6.4*
204	1/2 - 3/4 *20mm*	- - - - -	0.03 *15*	2-7/32 *56.4*	2 *50.8*	2-47/64 *69.5*	1-25/64 *35.3*	2-1/32 *51.6*	1-1/64 *25.8*	1-13/16 *46.0*	1-5/32 *29.4*	5/16 *7.9*
205	7/8 - 1 *25mm*	- - - - -	0.05 *24*	2-3/8 *60.3*	2-3/16 *55.6*	3-3/64 *77.4*	1-19/32 *40.5*	2-5/32 *54.8*	1-1/64 *25.8*	1-53/64 *46.4*	1-11/64 *29.8*	11/32 *8.7*
206	1-1/16 -1-1/4 *30mm*	1 *25mm*	0.08 *36*	2-47/64 *69.5*	2-17/32 *64.3*	3-21/64 *84.5*	1-45/64 *43.3*	2-1/2 *63.5*	1-3/16 *30.2*	2-1/16 *52.4*	1-23/64 *34.5*	23/64 *9.1*
207	1-1/4 -1-7/16 *35mm*	1-3/16 -1-1/4 *30mm*	0.12 *53*	3-1/4 *82.6*	3 *76.2*	3-27/32 *97.6*	1-31/32 *50.0*	3-1/64 *76.6*	1-11/32 *34.1*	2-11/32 *59.5*	1-17/32 *38.9*	3/8 *9.5*
208	1-1/2 &1-5/8 *40mm*	1-7/16 *35mm*	0.14 *64*	3-3/8 *85.7*	3-1/8 *79.4*	4 *101.6*	2-1/16 *52.4*	3-7/64 *79.0*	1-19/64 *32.9*	2-13/32 *61.1*	1-1/2 *38.1*	27/64 *10.7*
209	1-5/8 -1-3/4 *45mm*	1-1/2 *40mm*	0.16 *73*	3-11/16 *93.7*	3-15/32 *88.1*	4-17/64 *108.3*	2-11/64 *55.2*	3-13/32 *86.5*	1-23/64 *34.5*	2-21/64 *59.1*	1-17/32 *38.9*	25/64 *9.9*
210	1-15/16 & 2 *50mm*	1-11/16 &1-3/4 *45mm*	0.18 *82*	3-7/8 *98.4*	3-37/64 *90.9*	4-1/2 *114.3*	2-21/64 *59.1*	3-9/16 *90.5*	1-23/64 *34.5*	2-33/64 *63.9*	1-9/16 *39.7*	31/64 *12.3*
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	0.24 *108*	4-27/64 *112.3*	4 *101.6*	5-1/16 *128.6*	2-19/32 *65.9*	4-1/8 *104.8*	1-29/64 *36.9*	2-37/64 *65.5*	1-21/32 *42.1*	29/64 *11.5*
212	2-1/4 & 2-7/16 *60mm*	2-3/16 & 2-1/4 *55mm*	0.27 *124*	4-59/64 *125.0*	4-15/32 *113.5*	5 15/32 *138.9*	2-3/4 *69.9*	4-39/64 *117.1*	1-35/64 *39.3*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.3*

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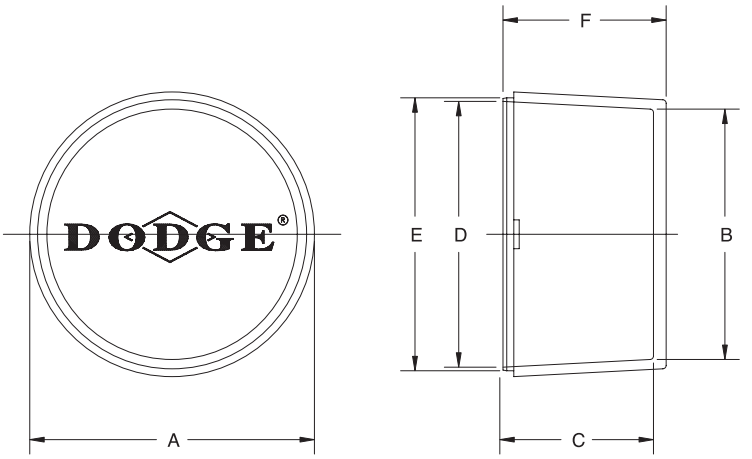
RELATED PRODUCTS

Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES AND LARGER



Series	Shaft Size		Part Number	Description
	GT	GTM		
214	2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	**128220**	EC-214
215	2-15/16 *75mm*	2-11/16 *70mm*	**128221**	EC-215
216	- - - - -	2-15/16 & 3 *75mm*	**128222**	EC-216
218	- - - - - *90mm*	3-7/16 & 3-1/2 *85mm*	**128223**	EC-218

DODGE®

Thin Wall Adapter Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES AND LARGER

Series	Shaft Size		Weight lbs gm	A	B	C	D	E		F
	GT	GTM						min.	max	
214	2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	0.33 *151*	4-15/16 *125.4*	4-11/32 *110.3*	2-39/64 *66.3*	4-39/64 *117.1*	4.737 *120.3*	4.741 *120.4*	2-53/64 *71.8*
215	2-15/16 *75mm*	2-11/16 *70mm*	0.36 *164*	5-3/32 *129.4*	4-31/64 *113.9*	2-29/64 *62.3*	4-3/4 *120.7*	4.940 *125.5*	4.944 *125.6*	2-7/8 *73.0*
216	- - - - -	2-15/16 & 3 *75mm*	0.44 *201*	5-9/16 *141.3*	4-59/64 *125.0*	2-47/64 *69.5*	5-13/64 *132.2*	5.346 *135.8*	5.350 *135.9*	2-63/64 *75.8*
218	- - - - - *90mm*	3-7/16 & 3-1/2 *85mm*	0.57 *257*	6-5/16 *160.3*	5-41/64 *143.3*	2-27/32 *72.2*	5-15/16 *150.8*	6.096 *154.8*	6.100 *154.9*	3-3/32 *78.6*

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FEATURES/BENEFITS

Setscrew Ball Bearings

For over 70 years, DODGE has been talking to mounted bearing users and listening to their needs. This experience lead to the design of the optimum mounted ball bearing. A state-of-the-art facility was built in Rogersville, Tennessee, to manufacture the new DODGE design.

The result is the DODGE SC/SCM VSC/SL line. It is the most current design setscrew mounted ball bearing on the market and provides the user unmatched quality and true total value.

- Light Duty Narrow Inner Ring (SL)
- Intermediate Duty Narrow Inner Ring (VSC)
- Normal Duty Wide Inner Ring (SC)
- Medium Duty Wide Inner Ring (SCM)
- Wide Variety of Housing Configurations
- Available in 1/2 to 3-1/2 (17 to 90mm) Bore Sizes
- Seal Options:
  - Flingers on SC/SCM (flingers are standard on E-Z KLEEN® nickel plated and Screw Conveyor Hanger Bearings)
  - Low friction labyrinth on SC/ SCM
- Other Options:
  - Corrosion resistant inserts for SC/SCM, E-Z KLEEN and nickel plate
  - FDA/USDA lubricant and other special lubricants
  - High temperature SC/SCM designed for temperatures from 225° F to 400° F. Factory assembled to order.

For application assistance, contact DODGE Engineering

Phone 864-284-5700

Fax 864-281-2317

DODGE End Covers

Available from stock to fit SC, SCM and VSC mounted units, these end covers are designed for added protection from contaminants as well as for OSHA requirements. Covers are OSHA yellow.

Superior Locking Forces

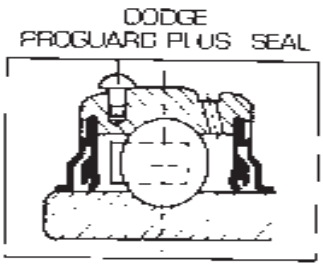
The DODGE SC/SCM/VSC/SL line uses 65° design which offers an optimum balance between locking force and inner ring stress.

Setscrew Ball Bearings

The DODGE PROGUARD™ Seal

PROGUARD positive contact, low drag rubber seal

DODGE SC/SCM/SSC/SL mounted ball bearings use the field proven PROGUARD land-riding contact seal with steel shield protection. This highly effective positive seal design assures uniform lip contact with the inner ring to seal out contaminants and seal in lubricants.



On SC.SCM optional flingers can be added to form a tight labyrinth with the PROGUARD seal and provide additional seal protection against contaminants and trash.

Stronger, More Flexible Cage

The ball cage is made of heat-stabilized nylon with 33% fill short fiberglass reinforcement for added strength. The nylon material provides a natural lubricity for longer life. Fiberglass reinforcement allows higher operating temperatures than plain nylon, yet it is more resistant to fatigue than metallic cages. Short fiberglass allows greater flexibility than steel or normal fiberglass, especially under misalignment. That means longer life in mounted bearings where some degree of misalignment is unavoidably encountered.

Anti-Rotation Pin (SC.SCM)

An anti-rotation pin prevents rotation of the outer race within the housing. Simple and effective, it makes system inserts easier to replace. There is no need to remove and replace grease fittings, location pins or other devices.

Simplified Anti-rotation device

DODGE E-Z KLEEN Ball Bearings

Available with Polymer and stainless steel housing, with corrosion resistant bearing inserts. These features make the SC ball bearing uniquely suited for the food, chemical and processing industries.

HOW TO ORDER/ NOMENCLATURE

Setscrew Ball Bearings
HOW TO ORDER

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate ordering processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown below and add any special instructions to the end of the description for options not covered by the nomenclature.

P2B - SC - 104S - NL

Modification or Feature
- CR = Corrosion Resistant Insert
- E = Expansion
- FF = ProGard Plus seals (with Flingers)
- HT = High Temperature option (400° F maximum)
- LL = Low torque labyrinth seal
- MOD - Modified
- NL - No Lube (sealed for life)
- RL = Relube (used with SL flanges)

Shaft Size

Inches:
- First digit = Number of inches
- Second & third digits - number of sixteenths of an inch
  - 104 - Indicates 1-4/16 or 1-1/4
- S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
- L = Next larger ring size. E.g. 1/2 204 would be written as 008L

Metric:
- First two digits = number of millimeters
- M = Metric

Bearing Type:
- CC = Wide inner ring, normal duty, setscrew locking (for Fan & Blower pillow blocks)
- SC - Wide inner ring, normal duty, 65° setscrew locking
- SCM = Wide inner ring, medium duty, 65° setscrew locking
- SL = Narrow inner ring, light duty, stamped steel housing, 65° setscrew locking
- VSC = Narrow inner ring, intermediate duty, 65° setscrew locking

Suffixes to the above:
- AH = Air handling
- B = Low backing height pillow block
- H = High backing height (used with non-expansion and expansion units)

U = Higher back pillow block (for interchangeability with competitor pillow blocks)

Housing
- CYL = Cylindrical Unit
- F2B = 2 bolt flange
- F2BZ = 2 bolt flange with pilot
- Machined on the back side (used with metric <D> Lok bearings)
- F3B = 3 bolt flange
- F4B = 4 bolt flange
- FB = Flange bracket
- FC = Flanged cartridge (piloted flange)
- F&B = Fan and blower pillow block
- HNG = Hanger bearing
- LF = 3 bolt light duty flange
- LFT = 2 bolt light duty flange
- NSTU = Narrow slot take-up
- P2B = 2 bolt base pillow block
- SCHB = Screw conveyor hanger bearing
- TB = Tapped base pillow block
- TP = Top angle take-up
- WSTU = Wide slot take-up

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Setscrew Ball Bearings

DODGE mounted ball bearings are primarily designed for radial loading. However, they have the capacity to carry thrust loads and combined radial/thrust loads. The maximum recommended load which can be applied is limited by various components in the system, such as bearing, housing, shaft attachments, speed and life requirements. DODGE mounted ball bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Engineering for applications which exceed these recommendations.

Select a bearing from the Selection Chart that has a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial load for a desired L_{10} life. This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L_{10} Hours Life-is the life which may be expected for at least 90% of a given group of bearings operating under identical conditions.

For an L_{10} hours life other than those listed in the Selection Chart, multiply the equivalent Radial load by one of the following factors. For 50,000 L10 hours life, use a factor of 1.18 and for 80,000, use 1.39. Then select a bearing from the bold face (30,000) L10 ratings only in the Selection Chart that has a rating equal to or greater than this value.

Heavy Service-For heavy shock loads, frequent shock loads or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult Application Engineering for additional selection assistance.

A thrust load value of C/10 is recommended as a guide for general applications and will give adequate L_{10} life. Where substantial radial load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices, such as sheer bars, are advisable for side or end-loading of pillow blocks and radial loads for flange units.

To determine the L_{10} hours life for loads and RPM's not listed use the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^3 \times \frac{16667}{RPM}$$

Where:

L_{10} = Life, hours

C = Dynamic Capacity, lbs. or N

P = Equivalent Radial Load, lbs. or N

When the load on a ball bearing is solely a radial load with no thrust (axial) load, the Equivalent Radial Load (P) is equal to the actual radial load. However, when a thrust (axial) load is applied, the radial and thrust loads applied must be converted into an Equivalent Radial Load. The use of the X (radial factor) and Y (thrust factor) from Table 1 convert the actual applied thrust and radial loads to an Equivalent Radial Load which has the same effect on the life of a bearing as a radial load of this magnitude.

$P = (X \times F_R) + (Y \times F_A)$

Where:

P = Equivalent Radial Load, lbs.

F_R = Radial load, lbs.

F_A = Thrust load, lbs.

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y = Thrust factor (Table 1)

C_0 = Basic static capacity

To find X and Y, first calculate F_A/C_0 to determine e. Calculate F_A/F_R and compare to e to determine the X and Y factors to use from Table 1.

Substitute all known values into the Equivalent Radial Load equation. The Equivalent Radial loads (P) thus determined can be used in the L_{10} life formula or compared to the allowable Equivalent Radial Load rating desired in the expanded rating chart to select a bearing (Table 2).

If calculated value of P is less than F_R, use $P=F_R$.

$\frac{F_A}{C_0}$	e	Radial/Thrust Factors			
		If F_A/F_R is equal to or less than e		If F_A/F_R is greater than e	
		$F_A/F_R <= e$		$F_A/F_R > e$	
		X	Y	X	Y
.014	.19	1	0	0.56	2.30
.021	.21	1	0	0.56	2.15
.028	.22	1	0	0.56	1.99
.042	.24	1	0	0.56	1.85
.056	.26	1	0	0.56	1.71
.070	.27	1	0	0.56	1.63
.084	.28	1	0	0.56	1.55
.110	.30	1	0	0.56	1.45
.170	.34	1	0	0.56	1.31
.280	.38	1	0	0.56	1.15
.420	.42	1	0	0.56	1.04
.560	.44	1	0	0.56	1.00

Lubrication-DODGE Ball Bearings are lubricated at the factory and are ready to run. The bearings are initially lubricated with lithium complex based grease and should be relubricated with the same or some equivalent. For high speeds, high loads, extreme temperatures and other abnormal operating conditions, special greases may be required. Contact DODGE Application Engineering for recommendations on these types of applications.

Misalignment-DODGE Ball Bearings are designed to allow a maximum of +25 static misalignment. These bearings are not suitable for dynamic misalignment. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Shaft Tolerances		
Normal Shaft Size Inches	Commercial Shaft Tolerances Inches	Recommended Shaft Tolerances Setscrew Ball Bearings Inches
Up to 1-1/2"	+0.000 -0.002	+0.0000 -0.0005
Over 1-1/2" to 2-1/2"	+0.000 -0.003	+0.0000 -0.0010
Over 2-1/2" to 4"	+0.000 -0.004	+0.0000 -0.0010

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SELECTION

DODGE®

Setscrew Ball Bearings - Inch

Table 2: Easy Selection Table For Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE SC, VSC, SL, CC	SHAFT SIZE SCM	DYNAMIC CAPACITY C, Lbs.	STATIC CAPACITY Co, Lbs.	L10 LIFE-HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (LBS.) AT VARIOUS RPM* 50	150	250	500	750	1000	1500	1750	2000
203	1/2 5/8		2158	1000	20000	550	380	320	255	225	205	175	170	160
					30000	480	335	280	225	195	175	155	145	140
					40000	440	305	255	205	175	160	140	135	130
					60000	380	265	225	175	155	140	125	115	110
					100000	320	225	190	150	130	120	105	100	95
204	1/2 5/8 3/4 13/16		2899	1390	20000	740	515	435	345	300	275	240	225	215
					30000	645	450	380	300	260	240	210	200	190
					40000	590	410	345	275	240	215	190	180	170
					60000	515	355	300	240	210	190	165	155	150
					100000	435	300	255	200	175	160	140	130	125
205	7/8 15/16 1		3146	1565	20000	805	560	470	375	325	295	260	245	235
					30000	705	485	410	325	285	260	225	215	205
					40000	640	445	375	295	260	235	205	195	185
					60000	560	385	325	260	225	205	180	170	165
					100000	470	325	275	220	190	175	150	145	135
206	1-1/16 1-1/8 1-3/16 1-1/4	1	4368	2250	20000	1115	775	655	520	455	410	360	340	325
					30000	975	675	570	455	395	360	315	300	285
					40000	885	615	520	410	360	325	285	270	260
					60000	775	535	455	360	315	285	250	235	225
					100000	655	455	380	305	265	240	210	200	190
207	1-1/4 1-5/16 1-3/8 1-7/16	1-3/16 1-1/4	5759	3065	20000	1475	1020	860	685	595	545	475	450	430
					30000	1285	890	755	595	520	475	415	395	375
					40000	1170	810	685	545	475	430	375	355	340
					60000	1020	710	595	475	415	375	330	310	300
					100000	860	595	505	400	350	315	275	265	250
208	1-1/2 1-5/8	1-7/16 1 -1/2**	7332	4005	20000	1875	1300	1095	870	760	690	605	575	550
					30000	1640	1135	960	760	665	605	525	500	480
					40000	1490	1030	870	690	605	550	480	455	435
					60000	1300	900	760	605	525	480	420	400	380
					100000	1095	760	640	510	445	405	355	335	320
209	1-5/8 1-11/16 1-3/4	1-1/2	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590
					30000	1765	1225	1030	820	715	650	570	540	515
					40000	1600	1110	935	745	650	590	515	490	470
					60000	1400	970	820	650	570	515	450	430	410
					100000	1180	820	690	550	480	435	380	360	345
210	1-15/16 2	1-11/16 1-3/4	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590
					30000	1765	1225	1030	820	715	650	570	540	515
					40000	1600	1110	935	745	650	590	515	490	470
					60000	1400	970	820	650	570	515	450	430	410
					100000	1180	820	690	550	480	435	380	360	345
211	2 2-3/16 2-1/4	1-15/16 2	9755	5630	20000	2491	1727	1457	1156	1010	918	802	761	729
					30000	2176	1509	1272	1010	882	802	700	665	636
					40000	1977	1371	1156	918	802	728	636	604	578
					60000	1727	1197	1010	802	700	636	556	528	505
					100000	1457	1010	852	676	591	537	469	445	426
212	2-1/4 2-7/16	2-3/16 2-1/4	11791	6955	20000	3015	2090	1765	1400	1225	1110	970	925	880
					30000	2635	1825	1540	1225	1070	970	880	805	770
					40000	2395	1660	1400	1110	970	880	770	730	700
					60000	2090	1450	1225	970	850	770	675	640	610
					100000	1765	1225	1030	820	715	650	570	540	515
214	2 11/16	2-7/16 2-1/2	13995	8410	20000	3580	2480	2095	1660	1450	1320	1155	1095	1045
					30000	3125	2170	1830	1450	1270	1155	1005	955	915
					40000	2840	1970	1660	1320	1155	1045	915	870	830
					60000	2480	1720	1450	1155	1005	915	800	760	725
					100000	2095	1450	1225	970	850	770	675	640	615
215	2-15/16	2-11/16	14872	9255	20000	3805	2640	2225	1765	1545	1400	1225	1165	1115
					30000	3325	2305	1945	1545	1350	1225	1070	1015	975
					40000	3020	2095	1765	1400	1225	1115	975	925	885
					60000	2640	1830	1545	1225	1070	975	850	805	770
					100000	2225	1545	1300	1035	905	820	715	680	650
216		2-15/16 3	17407	11015	20000	4450	3085	2605	2065	1805	1640	1435	1360	1300
					30000	3890	2695	2275	1805	1580	1435	1250	1190	1140
					40000	3535	2450	2065	1640	1435	1300	1140	1080	1035
					60000	3085	2140	1805	1435	1250	1140	995	945	905
					100000	2605	1805	1525	1210	1055	960	840	795	760
218		3-7/16 3-1/2	21451	13940	20000	5485	3805	3210	2550	2225	2025	1765	1680	1605
					30000	4795	3325	2805	2225	1945	1765	1545	1465	1405
					40000	4355	3020	2550	2025	1765	1605	1405	1335	1276
					60000	3805	2640	2225	1765	1545	1405	1225	1165	1115
					100000	3210	2225	1880	1490	1300	1185	1035	980	940

* Slight interference fit required when operating on the right of the heavy line or in the shaded area ** Piloted flange only

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Setscrew Ball Bearings - Inch

Table 2 (continued): Easy Selection Table for Ball Bearing Mounted Units

RING	SHAFT SIZE		DYNAMIC	STATIC	L10 LIFE	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (LBS.) AT VARIOUS RPM*								
SIZE	SC, VSC, SL, CC	SCM	CAPACITY C, Lbs.	CAPACITY Co, Lbs.	HOURS	2500	3000	3500	4000	4500	5000	5500	6500	7500
203	1/2 5/8		2158	1000	20000	150	140	135	130	125	120	115	110	105
					30000	130	125	115	110	105	105	100	95	90
					40000	120	110	105	100	95	95	90	85	80
					60000	105	95	95	90	85	80	80	75	70
					100000	85	80	80	75	70	70	65	65	60
204	1/2 5/8 3/4 13/16		2899	1390	20000	200	190	180	170	165	160	155	145	140
					30000	175	165	155	150	145	140	135	130	120
					40000	160	150	145	135	130	125	125	115	110
					60000	140	130	125	120	115	110	105	100	95
					100000	115	110	105	100	90	95	90	85	80
205	7/8 15/16 1		3146	1565	20000	220	205	195	185	180	175	170	160	150
					30000	190	180	170	165	155	150	145	140	130
					40000	175	165	155	150	140	135	135	125	120
					60000	150	140	135	130	125	120	115	110	105
					100000	125	120	115	110	105	100	100	95	90
206	1-1/16 1-1/8 1-3/16 1-1/4	1	4368	2250	20000	305	285	270	260	250	240	235	200	
					30000	265	250	235	225	220	210	205	195	
					40000	240	225	215	205	200	190	185	175	
					60000	210	200	190	180	175	165	160	155	
					100000	175	165	160	150	145	140	135	130	
207	1-1/4 1-5/16 1-3/8 1-7/16	1-3/16 1-1/4	5759	3065	20000	400	375	355	340	330	315	305		
					30000	350	330	310	300	285	275	270		
					40000	315	300	285	270	260	250	245		
					60000	275	260	250	235	230	220	125		
					100000	235	220	210	200	190	185	180		
208	1-1/2 1-5/8	1-7/16 1 -1/2**	7332	4005	20000	510	480	455	435	420	405			
					30000	445	420	400	380	365	355			
					40000	405	380	360	345	330	320			
					60000	355	330	315	300	290	280			
					100000	300	280	265	255	245	235			
209	1-5/8 1-11/16 1-3/4	1-1/2	7891	4450	20000	550	515	490	470	450	435			
					30000	480	450	430	410	395	380			
					40000	435	410	390	370	360	345			
					60000	380	360	340	325	310	300			
					100000	320	300	285	275	265	255			
210	1-15/16 2	1-11/16 1-3/4	7891	4450	20000	550	515	490	470	450				
					30000	480	450	430	410	395				
					40000	435	410	390	370	360				
					60000	380	360	340	325	310				
					100000	320	300	285	275	265				
211	2 2-3/16 2-1/4	1-15/16 2	9755	5630	20000	676	636	604	578					
					30000	591	556	528	505					
					40000	537	505	480	459					
					60000	469	441	419	401					
					100000	395	372	353	338					
212	2-1/4 2-7/16	2-3/16 2-1/4	11791	6955	20000	820	770	730						
					30000	715	675	640						
					40000	650	610	580						
					60000	570	535	510						
					100000	480	450	430						
214	2 11/16	2-7/16 2-1/2	13995	8410	20000	970	915							
					30000	850	800							
					40000	770	725							
					60000	675	635							
					100000	570	535							
215	2-15/16	2-11/16	14872	9255	20000	1035	975							
					30000	905	850							
					40000	820	770							
					60000	715	675							
					100000	605	570							
216		2-15/16 3	17407	11015	20000	1210								
					30000	1055								
					40000	960								
					60000	840								
					100000	705								
218		3-7/16 3-1/2	21451	13940	20000									
					30000									
					40000									
					60000									
					100000									

* Slight interference fit required when operating on the right of the heavy line or in the shaded area ** Piloted flange only

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SELECTION

DODGE®

Setscrew Ball Bearings - Metric

Table 2 (continued): Easy Selection Table for Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE		DYNAMIC CAPACITY C, N.	STATIC CAPACITY Co, N.	L10 LIFE HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (N.) AT VARIOUS RPM*								
	SC, VSC, SL, CC	SCM				50	150	250	500	750	1000	1500	1750	2000
203	17mm		9600	4450	20000	2446	1690	1423	1134	1001	912	778	756	712
					30000	2135	1490	1245	1001	867	778	689	645	623
					40000	1957	1357	1134	912	778	712	623	600	578
					60000	1690	1179	1001	778	689	623	556	512	489
					100000	1423	1001	845	667	578	534	467	445	423
204	20mm		12895	6185	20000	3292	2291	1935	1535	1334	1223	1068	1001	956
					30000	2869	2002	1690	1334	1156	1068	934	890	845
					40000	2624	1824	1535	1223	1068	956	845	801	756
					60000	2291	1579	1334	1068	934	845	734	689	667
					100000	1935	1334	1134	890	778	712	623	578	556
205	25mm		13995	6964	20000	3581	2491	2091	1668	1446	1312	1156	1090	1045
					30000	3136	2157	1824	1446	1268	1156	1001	956	912
					40000	2847	1979	1668	1312	1156	1045	912	867	823
					60000	2491	1712	1446	1156	1001	912	801	756	734
					100000	2091	1446	1223	979	845	778	667	645	600
206	30mm	25mm	18993	10013	20000	4960	3447	2913	2313	2024	1824	1601	1512	1446
					30000	4337	3002	2535	2024	1757	1601	1401	1334	1268
					40000	3936	2736	2313	1824	1601	1446	1268	1201	1156
					60000	3447	2380	2024	1601	1401	1268	1112	1045	1001
					100000	2913	2024	1690	1357	1179	1068	934	890	845
207	35mm	30mm	25628	13639	20000	6561	4537	3825	3047	2647	2424	2113	2002	1913
					30000	5716	3959	3358	2674	2313	2113	1846	1757	1668
					40000	5204	3603	3047	2424	2113	1913	1668	1579	1512
					60000	4537	3158	2647	2113	1846	1669	1468	1379	1334
					100000	3825	2647	2246	1779	1557	1401	1223	1179	1112
208	40mm	35mm	32627	17822	20000	8340	5782	4871	3870	3380	3069	2691	2558	2446
					30000	7295	5048	4270	3380	2958	2691	2335	2224	2135
					40000	6628	4581	3870	3069	2691	2446	2135	2024	1935
					60000	5782	4003	3380	2691	2335	2135	1868	1779	1690
					100000	4871	3380	2847	2268	1979	1801	1579	1490	1423
209	45mm	40mm	35115	19803	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624
					30000	7851	5449	4581	3649	3180	2891	2535	2402	2291
					40000	7117	4937	4159	3314	2891	2624	2291	2180	2091
					60000	6227	4315	3647	2891	2535	2291	2002	1913	1824
					100000	5249	3647	3069	2446	2135	1935	1690	1601	1535
210	50mm	45mm	35115	19803	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624
					30000	7851	5449	4581	3647	3180	2891	2535	2402	2291
					40000	7117	4937	4159	3314	2891	2624	2291	2180	2091
					60000	6227	4315	3647	2891	2535	2291	2002	1913	1824
					100000	5249	3647	3069	2446	2135	1935	1690	1601	1535
211	55mm	50mm	43394	25054	20000	11079	7682	6479	5142	4492	4082	3566	3387	3241
					30000	9678	6711	5660	4492	3924	3566	3115	2959	2831
					40000	8793	6097	5142	4082	3566	3240	2830	2688	2572
					60000	7682	5326	4492	3566	3115	2830	2472	2348	2247
					100000	6479	4492	3789	3007	2627	2387	2085	1981	1895
212	60mm	55mm	52470	30950	20000	13411	9296	7851	6227	5449	4937	4315	4114	3914
					30000	11720	8118	6850	5449	4759	4315	3914	3581	3425
					40000	10653	7384	6227	4937	4315	3914	3425	3247	3114
					60000	9296	6450	5449	4315	3781	3425	3002	2847	2713
					100000	7851	5449	4581	3647	3180	2891	2535	2402	2291
214	70mm	65mm	62278	37425	20000	15924	11031	9319	7384	6450	5871	5137	4871	4648
					30000	13900	9672	8140	6450	5649	5137	4470	4248	4070
					40000	12632	8763	7384	5871	5137	4648	4070	3870	3692
					60000	11031	7651	6450	5137	4470	4070	3558	3380	3225
					100000	9319	6450	5449	4315	3781	3425	3002	2847	2736
215	75mm	70mm	66180	41185	20000	16925	11743	9897	7851	6872	6227	5449	5182	4960
					30000	14790	10253	8651	6872	6005	5449	4759	4515	4337
					40000	13433	9319	7851	6227	5449	4960	4337	4114	3936
					60000	11743	8140	6872	5449	4759	4337	3781	3581	3425
					100000	9897	6872	5782	4604	4025	3647	3180	3025	2891
216		75mm	77426	49155	20000	19794	13722	11587	9185	8029	7295	6383	6049	5782
					30000	17303	11987	10119	8029	7028	6383	5560	5293	5071
					40000	15724	10898	9185	7295	6383	5782	5071	4804	4604
					60000	13722	9519	8029	6393	5560	5071	4426	4203	4025
					100000	11587	8029	6783	5382	4693	4270	3736	3536	3380
218		85mm	95371	62005	20000	24397	16925	14278	11342	9897	9007	7851	7473	7139
					30000	21328	14790	12477	9897	8651	7851	6872	6516	6249
					40000	19371	13433	11342	9007	7851	7139	6249	5938	5676
					60000	16925	11743	9897	7851	6872	6249	5449	5182	4960
					100000	14278	9897	8362	6628	5782	5271	4604	4359	4181

* Slight interference fit required when operating on the right of the heavy line or in the shaded area

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Setscrew Ball Bearings - Metric

Table 2 (continued): Easy Selection Table for Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE SC, VSC, SL, C	SHAFT SIZE SCM	DYNAMIC CAPACITY C, N.	STATIC CAPACITY Co, N.	L10 LIFE HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (N.) AT VARIOUS RPM* 2500	3000	3500	4000	4500	5000	5500	6500	7500
203	17mm		9600	4450	20000	667	623	600	578	556	534	512	489	467
					30000	578	556	512	489	467	467	445	423	400
					40000	534	489	467	445	423	423	400	378	356
					60000	467	423	423	400	378	356	358	334	311
					100000	378	356	356	334	311	311	289	289	267
204	20mm		12895	6185	20000	890	845	801	756	734	712	689	645	623
					30000	778	724	689	667	645	623	600	578	534
					40000	712	667	645	600	578	556	556	512	489
					60000	623	578	556	534	512	489	467	445	423
					100000	512	489	467	445	400	423	400	378	356
205	25mm		13995	6964	20000	979	912	867	823	801	778	756	712	667
					30000	845	801	756	734	689	667	645	623	578
					40000	778	734	689	667	623	600	600	556	534
					60000	667	623	600	578	556	534	512	489	467
					100000	556	534	512	489	467	445	445	423	400
206	30mm	25mm	18993	10013	20000	1357	1268	1201	1156	1112	1068	1045	979	
					30000	1179	1112	1045	1001	979	934	912	867	
					40000	1068	1001	958	912	890	845	823	778	
					60000	934	890	845	801	778	734	712	689	
					100000	778	734	712	667	645	623	600	578	
207	35mm	30mm	25628	13639	20000	1779	1668	1579	1512	1468	1401	1357		
					30000	1557	1468	1379	1134	1268	1223	1201		
					40000	1401	1334	1268	1201	1156	1112	1090		
					60000	1223	1156	1112	1045	1023	979	956		
					100000	1045	979	934	890	845	823	801		
208	40mm	35mm	32627	17822	20000	2268	2135	2024	1935	1868	1801			
					30000	1979	1868	1779	1690	1624	1579			
					40000	1801	1690	1601	1535	1468	1423			
					60000	1576	1468	1401	1334	1290	1245			
					100000	1334	1245	1179	1134	1090	1045			
209	45mm	40mm	35115	19803	20000	2446	2291	2180	2091	2002	1935			
					30000	2135	2002	1913	1824	1757	1690			
					40000	1935	1824	1735	1646	1601	1535			
					60000	1690	1601	1512	1446	1379	1334			
					100000	1423	1334	1268	1223	1179	1134			
210	50mm	45mm	35115	19803	20000	2446	2291	2180	2091	2002				
					30000	2135	2002	1913	1824	1757				
					40000	1935	1824	1735	1646	1601				
					60000	1690	1601	1512	1446	1379				
					100000	1423	1334	1268	1223	1179				
211	55mm	50mm	43394	25054	20000	3007	2830	2688	2571					
					30000	2627	2472	2348	2246					
					40000	2387	2246	2134	2041					
					60000	2085	1962	1864	1783					
					100000	1759	1655	1572	1504					
212	60mm	55mm	52470	30950	20000	3647	3425	3247						
					30000	3180	3002	2847						
					40000	2891	2713	2580						
					60000	2535	2380	2268						
					100000	2135	2002	1913						
214	70mm	65mm	62278	37425	20000	4315	4070							
					30000	3781	3558							
					40000	3425	3225							
					60000	3002	2824							
					100000	2535	2380							
215	75mm	70mm	66180	41185	20000	4604	4337							
					30000	4025	3781							
					40000	3647	3425							
					60000	3180	3002							
					100000	2691	2535							
216		75mm	77426	49155	20000	5382								
					30000	4693								
					40000	4270								
					60000	3736								
					100000	3136								
218		85mm	95371	62005	20000									
					30000									
					40000									
					60000									
					100000									

* Slight interference fit required when operating on the right of the heavy line or in the shaded area

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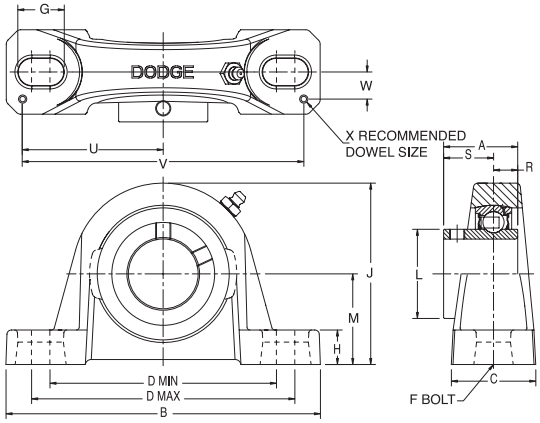
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC AND SCU NORMAL DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**123830**	P2B-SC-008	**123932**	P2B-SC-008-NL	@	P2B-SC-008-FF
	5/8	**123831**	P2B-SC-010	**126500**	P2B-SC-010-NL	**124575**	P2B-SC-010-FF
	17mm	***053170***	*P2B-SC-17M*	@	*P2B-SC-17M-NL*	@	*P2B-SC-17M-FF*
203 (SCU)	1/2	**123753**	P2B-SCU-008	@	P2B-SCU-008-NL	@	P2B-SCU-008FF
	5/8	**123754**	P2B-SCU-010	@	P2B-SCU-010-NL	@	P2B-SCU-010-FF
	17mm	***125850***	*P2B-SCU-17M*	@	*P2B-SCU-17M-NL*	@	*P2B-SCU-17M-FF*
204	1/2	**123835**	P2B-SC-008L	**052101**	P2B-SC-008L-NL	@	P2B-SC-008L-FF
	5/8	**123836**	P2B-SC-010L	@	P2B-SC-010L-NL	@	P2B-SC-010L-FF
	3/4	**123803**	P2B-SC-012	**052012**	P2B-SC-012-NL	**053256**	P2B-SC-012-FF
	20mm	***125851***	*P2B-SC-20M*	***068372***	*P2B-SC-20M-NL*	@	*P2B-SC-20M-FF*
205	7/8	**123804**	P2B-SC-014	**126502**	P2B-SC-014-NL	@	P2B-SC-014-FF
	15/16	**123805**	P2B-SC-015	**126503**	P2B-SC-015-NL	**124029**	P2B-SC-015-FF
	1	**123806**	P2B-SC-100	**123824**	P2B-SC-100-NL	**123779**	P2B-SC-100-FF
	25mm	***125852***	*P2B-SC-25M*	***056744***	*P2B-SC-25M-NL*	@	*P2B-SC-25M-FF*
206	1-1/16	**123807**	P2B-SC-101	**126504**	P2B-SC-101-NL	@	P2B-SC-101-FF
	1-1/8	**123808**	P2B-SC-102	**126505**	P2B-SC-102-NL	**125383**	P2B-SC-102-FF
	1-3/16	**123809**	P2B-SC-103	**123828**	P2B-SC-103-NL	**050270**	P2B-SC-103-FF
	1-1/4	**123170**	P2B-SC-104S	**049852**	P2B-SC-104S-NL	@	P2B-SC-104S-FF
	30mm	***125853***	*P2B-SC-30M*	@	*P2B-SC-30M-NL*	***053198***	*P2B-SC-30M-FF*
206 (SCU)	1-1/16	**123877**	P2B-SCU-101	@	P2B-SCU-101-NL	@	P2B-SCU-101-FF
	1-1/8	**123878**	P2B-SCU-102	@	P2B-SCU-102-NL	@	P2B-SCU-102-FF
	1-3/16	**123879**	P2B-SCU-103	**050837**	P2B-SCU-103-NL	@	P2B-SCU-103-FF
	1-1/4	**123894**	P2B-SCU-104S	@	P2B-SCU-104S-NL	**067855**	P2B-SCU-104S-FF
	30mm	***125854***	*P2B-SCU-30M*	@	*P2B-SCU-30M-NL*	@	*P2B-SCU-30M-FF*
207	1-1/4	**123810**	P2B-SC-104	**123933**	P2B-SC-104-NL	**123097**	P2B-SC-104-FF
	1-5/16	**123811**	P2B-SC-105	@	P2B-SC-105-NL	@	P2B-SC-105-FF
	1-3/8	**123812**	P2B-SC-106	**123781**	P2B-SC-106-NL	**054695**	P2B-SC-106-FF
	1-7/16	**123813**	P2B-SC-107	**123792**	P2B-SC-107-NL	**051571**	P2B-SC-107-FF
	35mm	***125855***	*P2B-SC-35M*	@	*P2B-SC-35M-NL*	@	*P2B-SC-35M-FF*

@ Assembled to order.

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DODGE®

Setscrew Ball Bearings
SC AND SCU NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
203	1/2	1.1	1	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	31/32	1-1/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*24.6*	*27.0*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
203 (SCU)	1/2	1.2	1	5	1-13/64	3-1/4	4-1/16	3/8	27/32	19/32	2-17/64	31/32	1-3/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*15.1*	*57.5*	*24.6*	*30.2*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	1/2	1.6	1-5/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-9/16	1-1/8	1-5/16	27/64	47/64	2-1/4	4-1/2	1/2	1/8
	5/8	1.5																	
	3/4	1.4																	
	20mm	*0.7*	*29.4*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*65.1*	*28.6*	*33.3*	*10.7*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-5/16	1-7/16	27/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.7*	*30.2*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*33.3*	*36.5*	*10.7*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.8	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-1/4	1-37/64	1-5/8	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*82.6*	*40.1*	*41.3*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
206 (SCU)	1-1/16	2.9	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-37/64	1-11/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.8																	
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*40.1*	*42.9*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.5	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	1-27/32	1-7/8	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.4																	
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*1.5*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*46.8*	*47.6*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*

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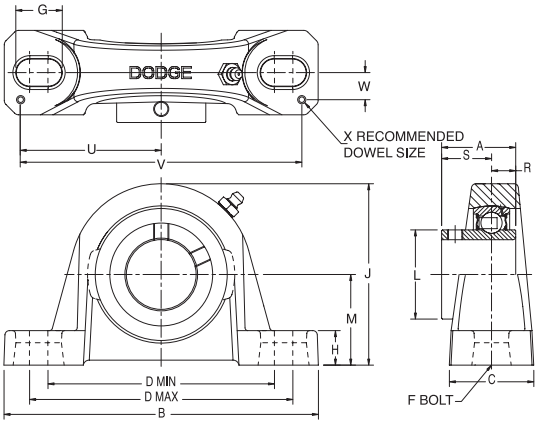
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC AND SCU NORMAL DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**123814**	P2B-SC-108	**123829**	P2B-SC-108-NL	**125172**	P2B-SC-108-FF
	1-5/8	**123815**	P2B-SC-110	**126510**	P2B-SC-110-NL	**051996**	P2B-SC-110-FF
	40mm	***056855***	*P2B-SC-40M*	***067679***	*P2B-SC-40M-NL*	***053199***	*P2B-SC-40M-FF*
209	1-5/8	**125169**	P2B-SC-110L	@	P2B-SC-110L-NL	@	P2B-SC-110L-FF
	1-11/16	**123816**	P2B-SC-111	**123784**	P2B-SC-111-NL	**064657**	P2B-SC-111-FF
	1-3/4	**123817**	P2B-SC-112	**123782**	P2B-SC-112-NL	**051896**	P2B-SC-112-FF
	45mm	***125857***	*P2B-SC-45M*	***067925***	*P2B-SC-45M-NL*	***052259***	*P2B-SC-45M-FF*
210	1-15/16	**123818**	P2B-SC-115	**123793**	P2B-SC-115-NL	@	P2B-SC-115-FF
	2	**123819**	P2B-SC-200	**123939**	P2B-SC-200-NL	@	P2B-SC-200-FF
	50mm	***125858***	*P2B-SC-50M*	@	*P2B-SC-50M-NL*	@	*P2B-SC-50M-FF*
211	2	**126815**	P2B-SCM-200	**126547**	P2B-SCM-200-NL	**054561**	P2B-SCM-200-FF
	2-3/16	**123820**	P2B-SC-203	**123783**	P2B-SC-203-NL	**056759**	P2B-SC-203-FF
	2-1/4	**123821**	P2B-SC-204	**126513**	P2B-SC-204-NL	**057335**	P2B-SC-204-FF
	55mm	***125859***	*P2B-SC-55M*	@	*P2B-SC-55M-NL*	@	*P2B-SC-55M-FF*
212	2-1/4	**126817**	P2B-SCM-204	@	P2B-SCM-204-NL	@	P2B-SCM-204-FF
	2-7/16	**123822**	P2B-SC-207	**123987**	P2B-SC-207-NL	**054265**	P2B-SC-207-FF
	60mm	***125860***	*P2B-SC-60M*	***062162***	*P2B-SC-60M-NL*	@	*P2B-SC-60M-FF*
214	2-1/2	**126819**	P2B-SCM-208	@	P2B-SCM-208-NL	@	P2B-SCM-208-FF
	2-11/16	**123839**	P2B-SC-211	**068603**	P2B-SC-211-NL	@	P2B-SC-211-FF
	70mm	***125861***	*P2B-SC-70M*	***126548***	*P2B-SC-70M-NL*	***059677***	*P2B-SC-70M-FF*
215	2-15/16	**123823**	P2B-SC-215	**123636**	P2B-SC-215-NL	**049828**	P2B-SC-215-FF
	75mm	***125862***	*P2B-SC-75M*	@	*P2B-SC-75M-NL*	@	*P2B-SC-75M-FF*
215 (SCU)	2-15/16	**123728**	P2B-SCU-215	@	P2B-SCU-215-NL	**054264**	P2B-SCU-215-FF
	75mm	**052792**	*P2B-SCU-75M*	@	*P2B-SCU-75M-NL*	@	*P2B-SCU-75M-FF*
218	*90mm*	**052794**	*P2B-SC-90M*	@	*P2B-SC-90M-NL*	@	*P2B-SC-90M-FF*

@Assembled to order

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Setscrew Ball Bearings
SC AND SCU NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
208	1-1/2	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/64	2-1/8	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	1-5/8	5.3																	
	40mm	*2.2*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*52.0*	*54.0*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.6	1-23/32	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	2-7/32	2-1/8	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.4																	
	1-3/4	6.2																	
	45mm	*2.2*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*56.4*	*54.0*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-7/16	2-1/4	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*2.6*	*44.5*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*27.0*	*19.1*	*115.1*	*61.9*	*57.2*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	2-23/32	2-1/2	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	2-1/4	8.8																	
	55mm	*3.3*	*46.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*69.1*	*63.5*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	10.8	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	2-31/32	2-3/4	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-7/16	10.2																	
	60mm	*4.2*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*75.4*	*69.9*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-1/2	15.5	2-15/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-3/32	3-5/16	3	51/64	1-7/16	4-7/8	9-3/4	15/16	3/16
	2-11/16	15.0																	
	70mm	*6.9*	*56.8*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.8*	*84.1*	*76.2*	*20.2*	*36.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-15/16	20.5	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	3-5/8	3-1/2	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	75mm	*7.9*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*171.5*	*92.1*	*88.9*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*
215	2-15/16	20.7	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-1/2	3-5/8	3-1/4	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
(SCU)	*75mm*	*8.0*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*165.1*	*92.1*	*82.6*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*
218	90mm	13.6	63.1	355.6	85.7	261.9	295.3	M22	40.5	33.3	203.2	110.7	101.6	23.4	39.7	116.7	333.4	30.2	4.8

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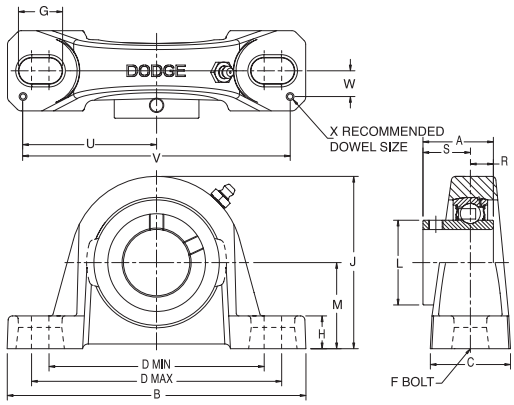
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCAH AND SCUAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Part No.	Description
203	1/2	**123725**	P2B-SCAH-008
	5/8	**123958**	P2B-SCAH-010
	17mm	*@*	*P2B-SCAH-17M*
203 (SCU)	1/2	@	P2B-SCUAH-008
	5/8	**067742**	P2B-SCUAH-010
	17mm	*@*	*P2B-SCUAH-17M*
204	1/2	@	P2B-SCAH-008L
	5/8	**123790**	P2B-SCAH-010L
	3/4	**123904**	P2B-SCAH-012
	20mm	***056606***	*P2B-SCAH-20M*
205	7/8	**064450**	P2B-SCAH-014
	15/16	**123903**	P2B-SCAH-015
	1	**123905**	P2B-SCAH-100
	25mm	***053718***	*P2B-SCAH-25M*
206	1-1/16	@	P2B-SCAH-101
	1-1/8	**123919**	P2B-SCAH-102
	1-3/16	**123906**	P2B-SCAH-103
	1-1/4	@	P2B-SCAH-104S
	30mm	***067652***	*P2B-SCAH-30M*
206 (SCU)	1-1/16	@	P2B-SCUAH-101
	1-1/8	@	P2B-SCUAH-102
	1-3/16	**123916**	P2B-SCUAH-103
	1-1/4	**123183**	P2B-SCUAH-104S
	30mm	*@*	*P2B-SCUAH-30M*
207	1-1/4	**123907**	P2B-SCAH-104
	1-5/16	@	P2B-SCAH-105
	1-3/8	**050792**	P2B-SCAH-106
	1-7/16	**123908**	P2B-SCAH-107
	35mm	***053717***	*P2B-SCAH-35M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings

SCAH AND SCUAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203	1/2	1.1	1	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	31/32	1-1/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*24.6*	*27.0*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
203 (SCU)	1/2	1.2	1	5	1-13/64	3-1/4	4-1/16	3/8	27/32	19/32	2-17/64	31/32	1-3/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*15.1*	*57.5*	*24.6*	*30.2*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	1/2	1.6	1-5/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-9/16	1-1/8	1-5/16	27/64	47/64	2-1/4	4-1/2	1/2	1/8
	5/8	1.5																	
	3/4	1.4																	
	20mm	*0.7*	*29.4*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*65.1*	*28.6*	*33.3*	*10.7*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-5/16	1-7/16	27/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.7*	*30.2*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*33.3*	*36.5*	*10.7*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.8	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-1/4	1-37/64	1-5/8	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*82.6*	*40.1*	*41.3*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
206 (SCU)	1-1/16	2.9	1-25/64	6-1/4	1-47/64	4-1/4	5.00	1/2	15/16	3/4	3-5/16	1-37/64	1-11/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.8																	
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*40.1*	*42.9*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.5	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	1-27/32	1-7/8	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.4																	
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*1.5*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*46.8*	*47.6*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*

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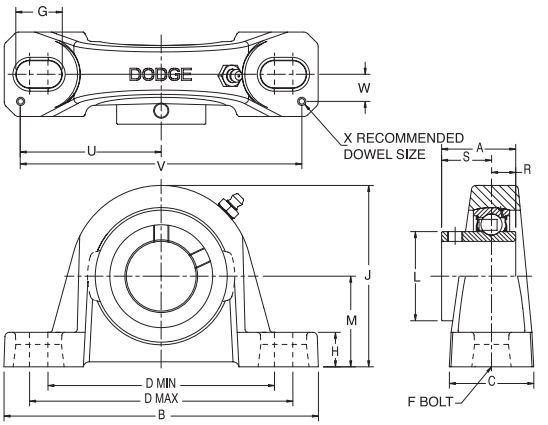
SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings

SCAH AND SCUAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Part No.	Description
208	1-1/2	**123909**	P2B-SCAH-108
	1-5/8	**056750**	P2B-SCAH-110
	40mm	*@*	*P2B-SCAH-40M*
209	1-5/8	@	P2B-SCAH-110L
	1-11/16	**123910**	P2B-SCAH-111
	1-3/4	**123911**	P2B-SCAH-112
	45mm	***052413***	*P2B-SCAH-45M*
210	1-15/16	**123912**	P2B-SCAH-115
	2	@	P2B-SCAH-200
	50mm	***052414***	*P2B-SCAH-50M*
211	2	**126847**	P2B-SCMAH-200
	2-3/16	**123913**	P2B-SCAH-203
	2-1/4	@	P2B-SCAH-204
	55mm	*@*	*P2B-SCAH-55M*
212	2-1/4	@	P2B-SCMAH-204
	2-7/16	**123914**	P2B-SCAH-207
	60mm	***054009***	*P2B-SCAH-60M*
214	2-1/2	@	P2B-SCMAH-204
	2-11/16	**124872**	P2B-SCAH-211
	70mm	*@*	*P2B-SCAH-70M*
215	2-15/16	**123915**	P2B-SCAH-215
	75mm	*@*	*P2B-SCAH-75M*
215 (SCU)	2-15/16	@	P2B-SCUAH-215
	75mm	*@*	*P2B-SCUAH-75M*

@ Assembled to order

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Setscrew Ball Bearings
SCAH AND SCUAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs kgs	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
208	1-1/2	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/64	2-1/8	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	1-5/8	5.3																	
	40mm	*2.2*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*52.0*	*54.0*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.6	1-23/32	7-7/16	2	5-1/2	6-3/8	1-2	29/32	3/4	4-9/32	2-7/32	2-1/8	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.4																	
	1-3/4	6.2																	
	45mm	*2.2*	*43.7*	*188.9*	*50.8*	*139.7*	*160.9*	*M12*	*23.0*	*19.1*	*108.7*	*56.4*	*54.0*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-7/16	2-1/4	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*2.6*	*44.5*	*206.4*	*57.2*	*152.40*	*169.9*	*M16*	*27.0*	*19.1*	*115.1*	*61.9*	*57.2*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	2-23/32	2-1/2	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	2-1/4	8.8																	
	55mm	*3.3*	*46.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*69.1*	*63.5*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	10.8	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	2-31/32	2-3/4	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-7/16	10.2																	
	60mm	*4.2*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*75.4*	*69.9*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-1/2	15.5	2-15/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-3/32	3-5/16	3	51/64	1-7/16	4-7/8	9-3/4	15/16	3/16
	2-11/16	15.0																	
	70mm	*6.9*	*56.8*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.8*	*84.1*	*76.2*	*20.2*	*36.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-15/16	20.5	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	3-5/8	3-1/2	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	75mm	*7.9*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*171.5*	*92.1*	*88.9*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*
215	2-15/16	20.7	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-1/2	3-5/8	3-1/4	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
(SCU)	*75mm*	*8.0*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*165.1*	*92.1*	*82.6*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*

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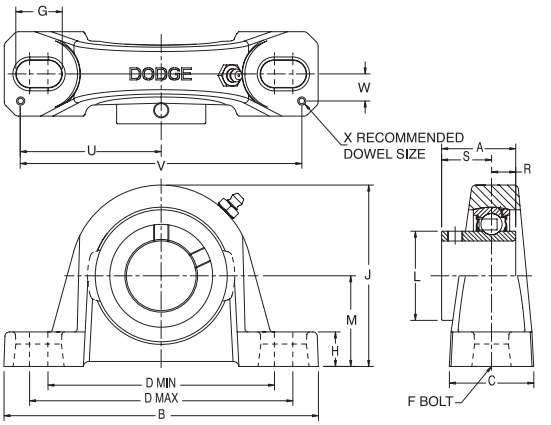
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCB NORMAL DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
203 (SC)	1/2	**123830**	P2B-SC-008
	5/8	**123831**	P2B-SC-010
	17mm	***053170***	*P2B-SC-17M*
204	1/2	**123854**	P2B-SCB-008L
	5/8	**123855**	P2B-SCB-010L
	3/4	**123860**	P2B-SCB-012
	20mm	***124941***	*P2B-SCB-20M*
205	7/8	**123861**	P2B-SCB-014
	15/16	**123862**	P2B-SCB-015
	1	**123863**	P2B-SCB-100
	25mm	***125768***	*P2B-SCB-25M*
206	1-1/16	**123856**	P2B-SCB-101
	1-1/8	**123864**	P2B-SCB-102
	1-3/16	**123865**	P2B-SCB-103
	1-1/4	**123171**	P2B-SCB-104S
	30mm	***125760***	*P2B-SCB-30M*
207	1-1/4	**123866**	P2B-SCB-104
	1-5/16	**123857**	P2B-SCB-105
	1-3/8	**123867**	P2B-SCB-106
	1-7/16	**123868**	P2B-SCB-107
	35mm	***124944***	*P2B-SCB-35M*

@ Assembled to order.

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Setscrew Ball Bearings
SCB NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lb. / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
203 (SC)	1/2	1.1	1	5	1-31/64	3-1/4	4-1/16	3/8	27/32	2-9/64	2-9/64	31/32	1-1/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.4*	*54.4*	*24.6*	*27.0*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	1/2	1.6	1-5/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	29/64	2-1/2	1-1/8	1-1/4	27/64	47/64	2-1/4	4-1/2	1/2	1/8
	5/8	1.5																	
	3/4	1.4																	
	20mm	*0.7*	*29.4*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*11.5*	*63.5*	*28.6*	*31.8*	*10.7*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	1-5/16	1-5/16	27/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	0.7	30.2	139.7	35.7	93.7	114.3	M10	21.4	11.5	67.5	33.3	33.3	10.7	19.4	63.5	127.0	12.7	4.8
206	1-1/16	2.8	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	1-37/64	1-9/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*40.1*	*39.7*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.5	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	41/64	3-11/16	1-27/32	1-13/16	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.4																	
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*1.5*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.3*	*93.7*	*46.8*	*46.0*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*

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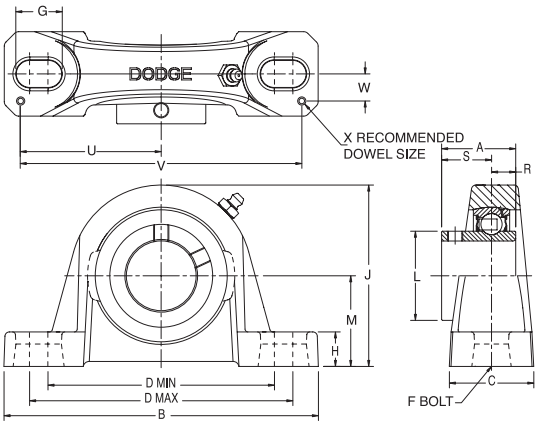
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCB NORMAL DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
208	1-1/2	**123869**	P2B-SCB-108
	1-5/8	**123858**	P2B-SCB-110
	40mm	***125856***	*P2B-SCB-40M*
209	1-5/8	**068760**	P2B-SCB-110L
	1-11/16	**123870**	P2B-SCB-111
	1-3/4	**123871**	P2B-SCB-112
	45mm	***051878***	*P2B-SCB-45M*
210	1-15/16	**123872**	P2B-SCB-115
	2	**123873**	P2B-SCB-200
	50mm	***051879***	*P2B-SCB-50M*
211	2	**057603**	P2B-SCB-200L
	2-3/16	**123874**	P2B-SCB-203
	2-1/4	**123589**	P2B-SCB-204
	55mm	***124943***	*P2B-SCB-55M*
212	2-1/4	**068361**	P2B-SCB-204L
	2-7/16	**123875**	P2B-SCB-207
	60mm	***051880***	*P2B-SCB-60M*
215	2-15/16	**123727**	P2B-SCB-215
	75mm	***@***	*P2B-SCB-75M*

@ Assembled to order.

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Setscrew Ball Bearings
SCB NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kgs*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
208	1-1/2	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-3/64	1-15/16	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	1-5/8	5.3																	
	40mm	*2.2*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*52.0*	*49.2*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.6	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	11/16	4-7/32	2-7/32	2-1/16	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.4																	
	1-3/4	6.2																	
	45mm	*2.2*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*17.5*	*107.2*	*56.4*	*52.4*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	2-7/16	2-3/16	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*2.6*	*44.5*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*61.9*	*55.6*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	2-23/32	2-7/16	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	2-1/4	8.8																	
	55mm	*3.3*	*46.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*69.1*	*61.9*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	10.8	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	13/16	5-11/32	2-31/32	2-11/16	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-7/16	10.2																	
	60mm	*4.2*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*20.6*	*135.7*	*75.4*	*68.3*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
215	2-15/16	20.5	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1-1/16	6-9/16	3-5/8	3-5/16	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	75mm	*7.9*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*27.0*	*166.7*	*92.1*	*84.1*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*

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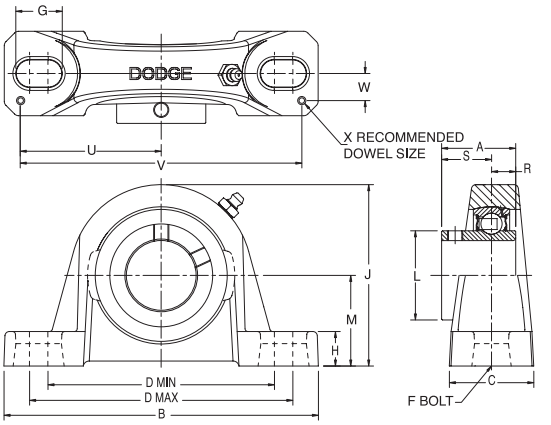
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCBAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Part No.	Description
203	1/2	**123725**	P2B-SCAH-008
	5/8	**123958**	P2B-SCAH-010
	17mm	@	*P2B-SCAH-17M*
204	1/2	@	P2B-SCBAH-008L
	5/8	**068307**	P2B-SCBAH-010L
	3/4	**123959**	P2B-SCBAH-012
	20mm	@	*P2B-SCBAH-20M*
205	7/8	@	P2B-SCBAH-014
	15/16	@	P2B-SCBAH-015
	1	**123960**	P2B-SCBAH-100
	25mm	@	*P2B-SCBAH-25M*
206	1-1/16	@	P2B-SCBAH-101
	1-1/8	@	P2B-SCBAH-102
	1-3/16	**123961**	P2B-SCBAH-103
	1-1/4	**123962**	P2B-SCBAH-104S
	30mm	@	*P2B-SCBAH-30M*
207	1-1/4	**123963**	P2B-SCBAH-104
	1-5/16	@	P2B-SCBAH-105
	1-3/8	@	P2B-SCBAH-106
	1-7/16	**123918**	P2B-SCBAH-107
	35mm	@	*P2B-SCBAH-35M*

@ Assembled to order

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DODGE®

Setscrew Ball Bearings

SCBAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs kgs	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203	1/2	1.1	1	5	1-31/64	3-1/4	4-1/16	3/8	27/32	2-9/64	2-9/64	31/32	1-1/16	23/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.4*	*25.4*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.4*	*54.4*	*24.6*	*27.0*	*9.1*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	1/2	1.6	1-5/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	29/64	2-1/2	1-1/8	1-1/4	27/64	47/64	2-1/4	4-1/2	1/2	1/8
	5/8	1.5																	
	3/4	1.4																	
	20mm	*0.7*	*29.4*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*11.5*	*63.5*	*28.6*	*31.8*	*10.7*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	1-5/16	1-5/16	27/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.7*	*30.2*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*11.5*	*67.5*	*33.3*	*33.3*	*10.7*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.8	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	1-37/64	1-9/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.1*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*40.1*	*39.7*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.5	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	41/64	3-11/16	1-27/32	1-13/16	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.4																	
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*1.5*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.3*	*93.7*	*46.8*	*46.0*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*

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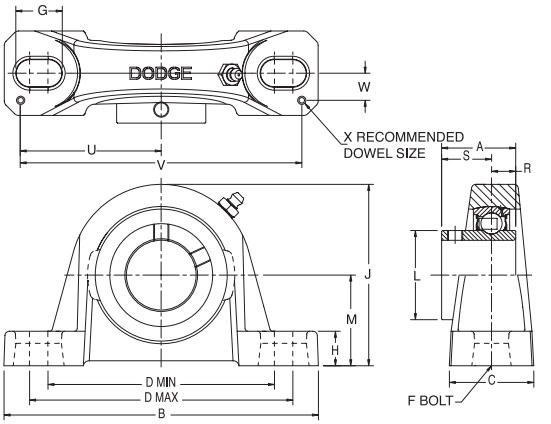
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCBAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
208	1-1/2	**123936**	P2B-SCBAH-108
	1-5/8	@	P2B-SCBAH-110
	40mm	***054727***	*P2B-SCBAH-40M*
209	1-5/8	**065774**	P2B-SCBAH-110L
	1-11/16	**123964**	P2B-SCBAH-111
	1-3/4	@	P2B-SCBAH-112
	45mm	@	*P2B-SCBAH-45M*
210	1-15/16	**123938**	P2B-SCBAH-115
	2	**123693**	P2B-SCBAH-200
	50mm	@	*P2B-SCBAH-50M*
211	2	@	P2B-SCBAH-200L
	2/3/16	**123965**	P2B-SCBAH-203
	2-1/4	@	P2B-SCBAH-204
	55mm	@	*P2B-SCBAH-55M*
212	2-1/4	@	P2B-SCBAH-204L
	2-7/16	**123966**	P2B-SCBAH-207
	60mm	@	*P2B-SCBAH-60M*
215	2-15/16	@	P2B-SCBAH-215
	75mm	@	*P2B-SCBAH-75M*

@ Assembled to order

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Setscrew Ball Bearings
SCBAH AIR HANDLING NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kgs	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
208	1-1/2	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-3/64	1-15/16	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	1-5/8	5.3																	
	40mm	*2.2*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*52.0*	*49.2*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.5	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	11/16	4-7/32	2-7/32	2-1/16	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.4																	
	1-3/4	6.2																	
	45mm	*2.2*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*17.5*	*107.2*	*56.4*	*52.4*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	2-7/16	2-3/16	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*2.6*	*44.5*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*61.9*	*55.6*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	2-23/32	2-7/16	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	2-1/4	8.8																	
	55mm	*3.3*	*4.68*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*69.1*	*61.9*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	10.8	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	13/16	5-11/32	2-31/32	2-11/16	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-7/16	10.2																	
	60mm	*4.2*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*20.6*	*135.7*	*75.4*	*68.3*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
215	2-15/16	20.5	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1-1/16	6-9/16	3-5/8	3-5/16	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	75mm	*7.9*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M12*	*36.5*	*27.0*	*166.7*	*92.1*	*84.1*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*

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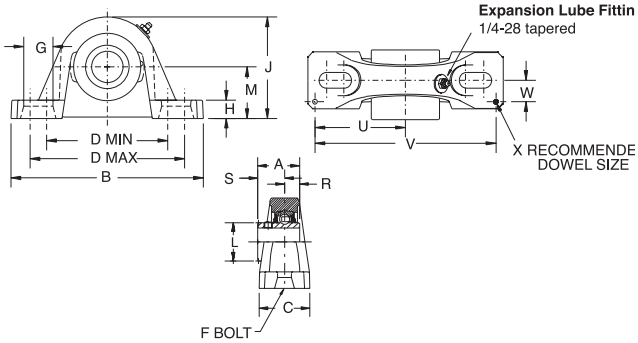
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCH-E EXPANSION NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Expansion		Non-Expansion	
		Part Number	Description	Part Number	Description
205	1	**064637**	P2B-SCH-100-E	**126147**	P2B-SCM-100
	25mm	*@*	*P2B-SCH-25M-E*	***125925***	*P2B-SCM-25M*
206	1-1/16	@	P2B-SCH-101-E	- - - - - -	- - - - - - - - -
	1-1/8	@	P2B-SCH-102-E	- - - - - -	- - - - - - - - -
	1 3/16	**126405**	P2B-SCH-103-E	**126147**	P2B-SCM-103
	1-1/4	**053183**	P2B-SCH-104S-E	**123810**	P2B-SC-104
	30mm	***053021***	*P2B-SCH-30M-E*	***125926***	*P2B-SCM-30M*
207	1-1/4	@	P2B-SCH-104-E	- - - - - -	- - - - - - - - -
	1-5/16	@	P2B-SCH-105-E	- - - - - -	- - - - - - - - -
	1-3/8	@	P2B-SCH-106-E	- - - - - -	- - - - - - - - -
	1-7/16	**126406**	P2B-SCH-107-E	**126810**	P2B-SCM-107
	35mm	*@*	*P2B-SCH-35M-E*	***125927***	*P2B-SCM-35M*
209	1-5/8	@	P2B-SCH-110L-E	- - - - - -	- - - - - - - - -
	1-11/16	**057414**	P2B-SCH-111-E	**126812**	P2B-SCM-111
	1-3/4	@	P2B-SCH-112-E	**126813**	P2B-SCM-112
	45mm	***056481***	*P2B-SCH-45M-E*	***125929***	*P2B-SCM-45M*
210	1-15/16	**126407**	P2B-SCH-115-E	**126814**	P2B-SCM-115
	2	**052224**	P2B-SCH-200-E	**126815**	P2B-SCM-200
	50mm	***056483***	*P2B-SCH-50M-E*	***125930***	*P2B-SCM-50M*
211	2-3/16	**126408**	P2B-SCH-203-E	**126816**	P2B-SCM-203
	2-1/4	**068800**	P2B-SCH-204-E	**126817**	P2B-SCM-204
	55mm	***053025***	*P2B-SCH-55M-E*	***125931***	*P2B-SCM-55M*
212	2-7/16	**126409**	P2B-SCH-207-E	**126818**	P2B-SCM-207
	60mm	*@*	*P2B-SCH-60M-E*	- - - - - -	- - - - - - - - -

@Assembled to order

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DODGE®

Setscrew Ball Bearings
SCH-E EXPANSION NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J
205	1 *25mm*	2.8 *1.2*	1 3/16 *30.2*	6 1/4 *158.8*	1 47/64 *44.1*	4 1/4 *108.0*	5 *127.0*	1/2 *M12*	15/16 *23.8*	3/4 *19.1*	3 5/16 *84.1*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	4.8 4.7 4.6 4.5 *1.9*	1 25/64 *35.3*	6 7/8 *174.6*	2 *50.8*	4 11/16 *119.1*	5 7/16 *138.1*	1/2 *M12*	1 *25.4*	11/16 *17.5*	3 13/16 *96.8*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	6.7 6.6 6.5 6.4 *2.7*	1 17/32 *38.9*	7 15/16 *201.6*	2 1/32 *51.6*	5 1/16 *128.6*	6 5/16 *160.3*	1/2 *M12*	1 3/16 *30.2*	3/4 *19.1*	4 3/16 *106.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.4 6.3 6.2 *2.6*	1 23/32 *43.7*	8 1/8 *206.4*	2 3/8 *60.3*	6 *152.4*	6 1/2 *165.1*	5/8 *M12*	15/16 *23.8*	3/4 *19.1*	4 9/16 *115.9*
210	1-15/16 2 *50mm*	9.8 9.7 *4.0*	1 3/4 *44.5*	9 1/2 *241.3*	2 1/2 *63.5*	6 *152.4*	7 1/2 *190.5*	5/8 *M16*	1 7/16 *36.5*	7/8 *22.2*	5 3/32 *129.4*
211	2-3/16 2-1/4 *55mm*	14.3 14.2 *5.9*	1 27/32 *46.8*	10 1/4 *260.4*	3 *76.2*	6 5/8 *168.3*	7 7/8 *200.0*	5/8 *M16*	1 7/16 *36.5*	1 1/16 *27.0*	5 5/8 *142.9*
212	2-7/16 *60mm*	16.6 *6.8*	2 9/32 *57.9*	11 1/4 *285.8*	3 1/4 *82.6*	7 3/16 *182.6*	8 13/16 *223.8*	3/4 *M18*	1 5/8 *41.3*	1 1/16 *27.0*	6 1/4 *158.8*

Series	Shaft Size	L	M	R	S	T Total Expansion	U	V	W	X
205	1 *25mm*	1 21/64 *33.7*	1 11/16 *42.9*	27/64 *10.7*	49/64 *19.4*	5/32 *4.0*	2 7/8 *73.0*	5 3/4 *146.1*	9/16 *14.3*	3/16 *4.8*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	1 37/64 *40.1*	1 7/8 *47.6*	31/64 *12.3*	29/32 *23.0*	3/16 *4.8*	3 1/8 *79.4*	6 1/4 *158.8*	11/16 *17.5*	3/16 *4.8*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1 27/32 *46.8*	2 1/8 *54.0*	1/2 *12.7*	1 1/32 *26.2*	3/16 *4.8*	3 11/16 *93.7*	7 3/8 *187.3*	23/32 *18.3*	3/16 *4.8*
209	1-5/8 1-11/16 1-3/4 *45mm*	2 7/32 *56.4*	2 1/4 *57.2*	19/32 *15.1*	1 1/8 *28.6*	1/4 *6.4*	3 11/16 *93.7*	7 3/8 *187.3*	13/16 *20.6*	3/16 *4.8*
210	1-15/16 2 *50mm*	2 7/16 *61.9*	2 1/2 *63.5*	19/32 *15.1*	1 5/32 *29.4*	1/4 *6.4*	4 3/8 *111.1*	8 3/4 *222.3*	7/8 *22.2*	3/16 *4.8*
211	2-3/16 2-1/4 *55mm*	2 23/32 *69.1*	2 3/4 *69.9*	5/8 *15.9*	1 7/32 *31.0*	1/4 *6.4*	4 3/4 *120.7*	9 1/2 *241.3*	1 1/8 *28.6*	3/16 *4.8*
212	2-7/16 *60mm*	2 31/32 *75.4*	3 *76.2*	43/64 *17.1*	1 5/16 *33.3*	1/4 *6.4*	5 1/4 *133.4*	10 1/2 *266.7*	1 1/4 *31.8*	3/16 *4.8*

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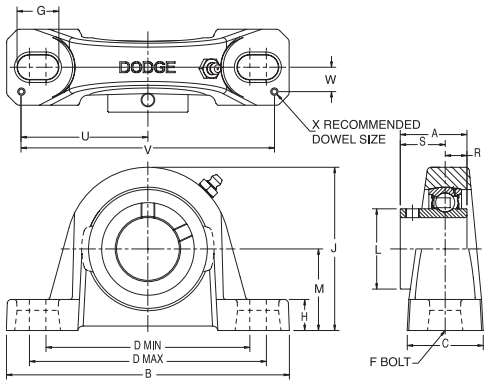
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCM MEDIUM DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
206	1	**126147**	P2B-SCM-100	**058624**	P2B-SCM-100-NL	@	P2B-SCM-100-FF
	25mm	***125925***	*P2B-SCM-25M*	@	*P2B-SCM-25M-NL*	@	*P2B-SCM-25M-FF*
206 (SCMU)	1	**064249**	P2B-SCMU-100	@	P2B-SCMU-100-NL	@	P2B-SCMU-100-FF
	25mm	*@*	*P2B-SCMU-25M*	*@*	*P2B-SCMU-25M-NL*	*@*	*P2B-SCMU-25M-FF*
207	1-3/16	**126148**	P2B-SCM-103	**052275**	P2B-SCM-103-NL	**068049**	P2B-SCM-103-FF
	1-1/4	**123810**	P2B-SC-104	**123933**	P2B-SC-104-NL	**123097**	P2B-SC-104-FF
	30mm	***125926***	*P2B-SCM-30M*	@	*P2B-SCM-30M-NL*	@	*P2B-SCM-30M-FF*
208	1-7/16	**126810**	P2B-SCM-107	**126855**	P2B-SCM-107-NL	**057275**	P2B-SCM-107-FF
	35mm	***125937***	*P2B-SCM-35M*	@	*P2B-SCM-35M-NL*	@	*P2B-SCM-35M-FF*
209	1-1/2	**126811**	P2B-SCM-108	**058400**	P2B-SCM-108-NL	**050808**	P2B-SCM-108-FF
	1-5/8	**125169**	P2B-SC-110L	@	P2B-SC-110L-NL	@	P2B-SC-110L-FF
	40mm	***125928***	*P2B-SCM-40M*	@	*P2B-SCM-40M-NL*	@	*P2B-SCM-40M-FF*
210	1-11/16	**126812**	P2B-SCM-111	@	P2B-SCM-111-NL	@	P2B-SCM-111-FF
	1-3/4	**126813**	P2B-SCM-112	@	P2B-SCM-112-NL	**051981**	P2B-SCM-112-FF
	45mm	***125929***	*P2B-SCM-45M*	@	*P2B-SC-M45M-NL*	@	*P2B-SCM-45M-FF*
211	1-15/16	**126814**	P2B-SCM-115	**126856**	P2B-SCM-115-NL	**126802**	P2B-SCM-115-FF
	2	**126815**	P2B-SCM-200	**126547**	P2B-SCM-200-NL	**054561**	P2B-SCM-200-FF
	50mm	***125930***	*P2B-SCM-50M*	***065548***	*P2B-SCM-50M-NL*	@	*P2B-SCM-50M-FF*
212	2-3/16	**126816**	P2B-SCM-203	**052005**	P2B-SCM-203-NL	**126858**	P2B-SCM-203-FF
	2-1/4	**126817**	P2B-SCM-204	@	P2B-SCM-204-NL	@	P2B-SCM-204-FF
	55mm	***125931***	*P2B-SCM-55M*	@	*P2B-SCM-55M-NL*	@	*P2B-SCM-55M-FF*
214	2-7/16	**126818**	P2B-SCM-207	**126857**	P2B-SCM-207-NL	**126859**	P2B-SCM-207-FF
	2-1/2	**126819**	P2B-SCM-208	@	P2B-SCM-208-NL	@	P2B-SCM-208-FF
	65mm	***125932***	*P2B-SCM-65M*	***068025***	*P2B-SCM-65M-NL*	***052816***	*P2B-SCM-65M-FF*
215	2-11/16	**126820**	P2B-SCM-211	**126533**	P2B-SCM-211-NL	@	P2B-SCM-211-FF
	70mm	***125933***	*P2B-SCM-70M*	@	*P2B-SC-70M-NL*	@	*P2B-SCM-70M-FF*
216	2-15/16	**126821**	P2B-SCM-215	**126534**	P2B-SCM-215-NL	**050185**	P2B-SCM-215-FF
	3	**126822**	P2B-SCM-300	**126535**	P2B-SCM-300-NL	**054459**	P2B-SCM-300-FF
	75mm	***125934***	*P2B-SCM-75M*	@	*P2B-SCM-75M-NL*	***054435***	*P2B-SCM-75M-FF*
218	3-7/16	**126823**	P2B-SCM-307	@	P2B-SCM-307-NL	**126792**	P2B-SCM-307-FF
	3-1/2	**126824**	P2B-SCM-308	@	P2B-SCM-308-NL	@	P2B-SCM-308-FF
	85mm	***125935***	*PWB-SCM-85M*	@	*PWB-SCM-85M-NL*	@	*PWB-SCM-85M-FF*

@ Assembled to order

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Setscrew Ball Bearings
SCM MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
206	1	3.0	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-37/64	1-11/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	25mm	*1.3*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.2*	*40.1*	*41.3*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
206 (SCMU)	1	3.1	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	13/16	3-3/8	1-37/64	1-3/4	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	25mm	*1.4*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*20.6*	*85.7*	*40.1*	*44.5*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-3/16	4.6	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	1-27/32	1-7/8	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-1/4	4.2																	
	30mm	*2.0*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*46.8*	*47.6*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-7/16	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/64	2-1/8	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	35mm	*2.3*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*52.0*	*54.0*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-1/2	6.4	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	3/4	4-9/32	2-7/32	2-1/8	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-5/8	6.3																	
	40mm	*2.7*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*56.4*	*54.0*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-11/16	7.4	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-7/16	2-1/4	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	1-3/4	7.3																	
	45mm	*3.2*	*44.5*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*22.0*	*19.1*	*115.1*	*61.9*	*57.2*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	1-15/16	9.2	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	2-23/32	2-1/2	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2	9.0																	
	50mm	*3.9*	*46.8*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*69.1*	*63.5*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-3/16	11.0	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	2-31/32	2-3/4	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-1/4	10.8																	
	55mm	*4.7*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*75.4*	*69.9*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-7/16	15.7	2-15/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-3/32	3-5/16	3	51/64	1-7/16	4-7/8	9-3/4	15/16	3/16
	2-1/2	15.5																	
	65mm	*6.7*	*56.8*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.8*	*84.1*	*76.2*	*20.2*	*36.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-11/16	21.0	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	3-5/8	3-1/2	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	70mm	*9.0*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*171.5*	*92.1*	*88.9*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*
216	2-15/16	21.3	2-11/32	11-3/4	3	8-1/2	9-1/2	7/8	1-7/16	1-1/4	6-31/32	3-53/64	3-1/2	27/32	1-1/2	5-1/2	11	1-3/32	3/16
	3	21.1																	
	75mm	*9.0*	*59.5*	*298.5*	*76.2*	*215.9*	*241.3*	*M22*	*36.5*	*31.8*	*177.0*	*97.2*	*88.9*	*21.4*	*38.1*	*139.7*	*279.4*	*27.8*	*4.8*
218	3-7/16	31.8	2-31/64	14	3-3/8	10-5/16	11-5/8	7/8	1-19/32	1-5/16	8	4-23/64	4	59/64	1-9/16	6-9/16	13-1/8	1-3/16	3/16
	3-1/2	31.3																	
	85mm	*13.6*	*63.1*	*355.6*	*85.7*	*261.9*	*295.3*	*M22*	*40.5*	*33.3*	*203.2*	*110.7*	*101.6*	*23.4*	*39.7*	*166.7*	*333.4*	*30.2*	*4.8*

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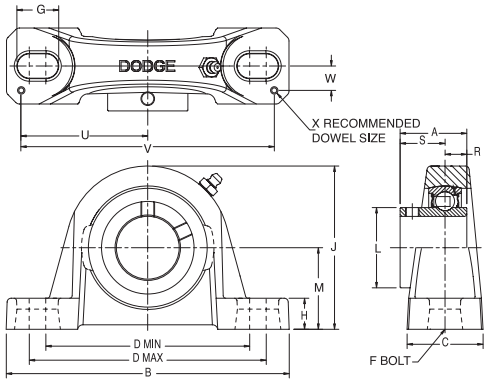
SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings

SCMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
206	1 *25mm*	**126110** *@*	P2B-SCMAH-100 *P2B-SCMAH-25M*
207	1-3/16 1-1/4 *30mm*	**126112** **123907** ***064756***	P2B-SCMAH-103 P2B-SCAH-104 *P2B-SCMAH-30M*
208	1-7/16 *35mm*	**126835** ***062304***	P2B-SCMAH-107 *P2B-SCMAH-35M*
209	1-1/2 1-5/8 *40mm*	**126836** *@* ***064136***	P2B-SCMAH-108 P2B-SCAH-110L *P2B-SCMAH-40M*
210	1-11/16 1-3/4 *45mm*	**126837** **126838** ***062321***	P2B-SCMAH-111 P2B-SCMAH-112 *P2B-SCMAH-45M*
211	1-15/16 2 *50mm*	**126839** **126847** ***056811***	P2B-SCMAH-115 P2B-SCMAH-200 *P2B-SCMAH-50M*
212	2-3/16 2-1/4 *55mm*	**126840** *@* ***049816***	P2B-SCMAH-203 P2B-SCMAH-204 *P2B-SCMAH-55M*
214	2-7/16 2-1/2 *65mm*	**126841** *@* *@*	P2B-SCMAH-207 P2B-SCMAH-208 *P2B-SCMAH-65M*
215	2-11/16 *70mm*	**126842** ***049818***	P2B-SCMAH-211 *P2B-SCMAH-70M*
216	2-15/16 3 *75mm*	**126843** *@* ***053719***	P2B-SCMAH-215 P2B-SCMAH-300 *P2B-SCM-75M*
218	3-7/16 3-1/2 *85mm*	**126844** *@* *@*	P2B-SCMAH-307 P2B-SCMAH-308 *P2B-SCMAH-85M*

@ Assembled to order.

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Setscrew Ball Bearings
SCMAH AIR HANDLING MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kgs.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
206	1	3.0	1-25/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-37/64	1-11/16	31/64	29/32	2-7/8	5-3/4	9/16	3/16
	25mm	*1.3*	*35.3*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*40.1*	*42.9*	*12.3*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-3/16	4.6	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	1-27/32	1-7/8	1/2	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-1/4	4.2																	
	30mm	*2.0*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*18.3*	*95.3*	*46.8*	*47.6*	*12.7*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-7/16	5.4	1-11/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/64	2-1/8	19/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	35mm	*2.3*	*42.9*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*52.0*	*54.0*	*15.1*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-1/2	6.4	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	3/4	4-9/32	2-7/32	2-1/8	19/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-5/8	6.3																	
	40mm	*2.7*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*56.4*	*54.0*	*15.1*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-11/16	7.4	1-3/4	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-7/16	2-1/4	19/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	1-3/4	7.3																	
	45mm	*3.2*	*44.5*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*22.0*	*19.1*	*115.1*	*61.9*	*57.2*	*15.1*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	1-15/16	9.2	1-27/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	2-23/32	2-1/2	5/8	1-7/32	3-15/16	7-7/8	13/16	3/16
	2	9.0																	
	50mm	*3.9*	*44.5*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*69.1*	*63.5*	*15.9*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-3/16	11.0	1-63/64	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	2-31/32	2-3/4	43/64	1-5/16	4-1/4	8-1/2	7/8	3/16
	2-1/4	10.8																	
	55mm	*4.7*	*50.4*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*75.4*	*69.9*	*17.1*	*33.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-7/16	15.7	2-15/64	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-3/32	3-5/16	3	51/64	1-7/16	4-7/8	9-3/4	15/16	3/16
	2-1/2	15.5																	
	65mm	*6.7*	*56.8*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.8*	*84.1*	*76.2*	*20.2*	*36.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-11/16	21.0	2-9/32	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	3-5/8	3-1/2	13/16	1-15/32	5-31/64	10-31/32	1-3/64	3/16
	70mm	*9.0*	*57.9*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*171.5*	*92.1*	*88.9*	*20.6*	*37.3*	*139.3*	*278.6*	*26.6*	*4.8*
216	2-15/16	21.3	2-11/32	11-3/4	3	8-1/2	9-1/2	7/8	1-7/16	1-1/4	6-31/32	3-53/64	3-1/2	27/32	1-1/2	5-1/2	11	1-3/32	3/16
	3	21.1																	
	75mm	*9.1*	*59.5*	*298.5*	*76.2*	*215.9*	*241.3*	*M22*	*36.5*	*31.8*	*177.0*	*97.2*	*88.9*	*21.4*	*38.1*	*139.7*	*279.4*	*27.8*	*4.8*
218	3-7/16	31.8	2-31/64	14	3-3/8	10-5/16	11-5/8	7/8	1-19/32	1-5/16	8	4-23/64	4	59/64	1-9/16	6-9/16	13-1/8	1-3/16	3/16
	3-1/2	31.3																	
	85mm	*13.6*	*63.1*	*355.6*	*85.7*	*261.9*	*295.3*	*M22*	*40.5*	*33.3*	*203.2*	*110.7*	*101.6*	*23.4*	*39.7*	*166.7*	*333.4*	*30.2*	*4.8*

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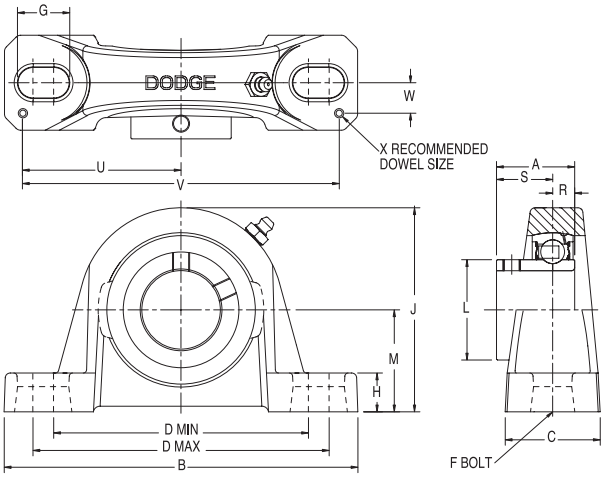
SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC AND VSCU INTERMEDIATE DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	**125500**	P2B-VSC-008	**049887**	P2B-VSC-008-NL
	5/8	**125501**	P2B-VSC-010	@	P2B-VSC-010-NL
	17mm	@	*P2B-VSC-17M*	@	*P2B-VSC-17M-NL*
203 (VSCU)	1/2	**125513**	P2B-VSCU-008	@	P2B-VSCU-008-NL
	5/8	**125514**	P2B-VSCU-010	@	P2B-VSCU-010-NL
	17mm	***125685***	*P2B-VSCU-17M*	@	*P2B-VSCU-17M-NL*
204	3/4	**123580**	P2B-VSC-012	**054495**	P2B-VSC-012-NL
	20mm	***125686***	*P2B-VSC-20M*	@	*P2B-VSC-20M-NL*
205	7/8	**125502**	P2B-VSC-014	@	P2B-VSC-014-NL
	15/16	**125503**	P2B-VSC-015	@	P2B-VSC-015-NL
	1	**123581**	P2B-VSC-100	**123590**	P2B-VSC-100-NL
	25mm	***125687***	*P2B-VSC-25M*	@	*P2B-VSC-25M-NL*
206	1-1/8	**125504**	P2B-VSC-102	@	P2B-VSC-102-NL
	1-3/16	**123582**	P2B-VSC-103	**064691**	P2B-VSC-103-NL
	1-1/4	**123589**	P2B-VSC-104S	@	P2B-VSC-104S-NL
	30mm	***125751***	*P2B-VSC-30M*	@	*P2B-VSC-30M-NL*
206 (VSCU)	1-1/8	**125515**	P2B-VSCU-102	@	P2B-VSCU-102-NL
	1-3/16	**123604**	P2B-VSCU-103	**050845**	P2B-VSCU-103-NL
	1-1/4	**123606**	P2B-VSCU-104S	@	P2B-VSCU-104S-NL
	30mm	***125688***	*P2B-VSCU-30M*	@	*P2B-VSCU-30M-NL*

@Assembled to order

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Setscrew Ball Bearings
VSC AND VSCU INTERMEDIATE DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
203	1/2	1.1	15/16	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	31/32	1-1/16	19/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.5*	*23.8*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*24.6*	*27.0*	*7.5*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
203 (VSCU)	1/2	1.2	15/16	5	1-13/64	3-1/4	4-1/16	3/8	27/32	19/32	2-17/64	31/32	1-3/16	19/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.1																	
	17mm	*0.6*	*23.8*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*15.1*	*57.5*	*24.6*	*30.2*	*7.5*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	3/4	1.4	1-1/16	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	17/32	2-9/16	1-7/64	1-5/16	21/64	47/64	2-1/4	4-1/2	1/2	1/8
	20mm	*0.6*	*27.0*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.5*	*65.1*	*28.2*	*33.3*	*8.3*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/32	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-21/64	1-7/16	21/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.8*	*27.8*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*33.7*	*36.5*	*8.3*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/8	2.7	1-19/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-1/4	1-37/64	1-5/8	25/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.2*	*32.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*82.6*	*40.1*	*41.3*	*9.9*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
206 (VSCU)	1-1/8	2.8	1-19/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-37/64	1-11/16	25/64	29/32	2-7/8	5-3/4	9/163	3/16
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.3*	*32.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*40.1*	*42.9*	*9.9*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*

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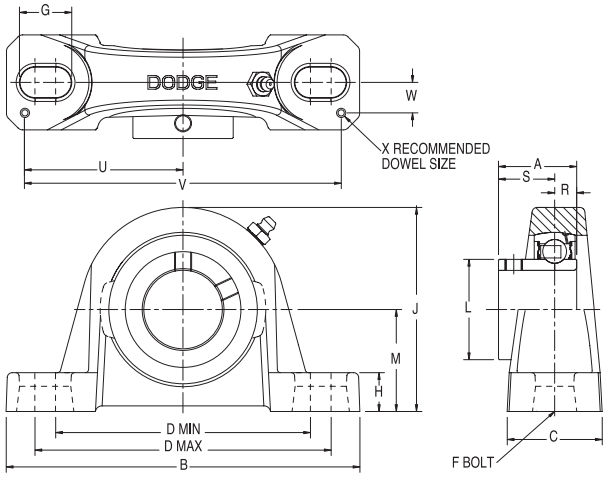
SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC AND VSCU INTERMEDIATE DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
207	1-1/4	**123583**	P2B-VSC-104	**051889**	P2B-VSC-104-NL
	1-3/8	**125505**	P2B-VSC-106	@	P2B-VSC-106-NL
	1-7/16	**123584**	P2B-VSC-107	**050838**	P2B-VSC-107-NL
	35mm	***125689***	*P2B-VSC-35M*	***067664***	*P2B-VSC-35M-NL*
208	1-1/2	**123585**	P2B-VSC-108	**051890**	P2B-VSC-108-NL
	40mm	@	*P2B-VSC-40M*	@	*P2B-VSC-40M-NL*
209	1-11/16	**125506**	P2B-VSC-111	@	P2B-VSC-111-NL
	1-3/4	**124933**	P2B-VSC-112	@	P2B-VSC-112-NL
	45mm	***125691***	*P2B-VSC-45M*	@	*P2B-VSC-45M-NL*
210	1-15/16	**123586**	P2B-VSC-115	**053662**	P2B-VSC-115-NL
	2	**123587**	P2B-VSC-200	@	P2B-VSC-200-NL
	50mm	***125692***	*P2B-VSC-50M*	@	*P2B-VSC-50M-NL*
211	2	**123593**	P2B-VSC-200L	**049784**	P2B-VSC-200L-NL
	2-3/16	**123588**	P2B-VSC-203	@	P2B-VSC-203-NL
	55mm	***125693***	*P2B-VSC-55M*	@	*P2B-VSC-55M-NL*

@Assembled to order

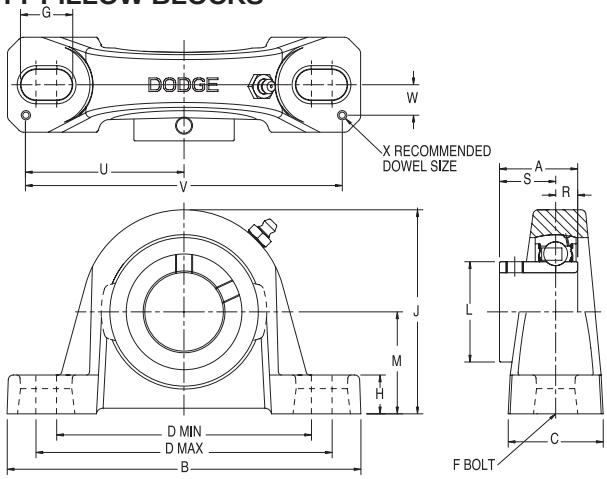
DODGE®

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
207	1-1/4	4.5	1-7/16	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	1-27/32	1-7/8	13/32	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*2.0*	*36.5*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*46.8*	*47.6*	*10.3*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-1/2	5.4	1-9/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/64	2-1/8	15/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	40mm	*2.5*	*39.7*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*52.0*	*54.0*	*11.9*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-11/16	6.4	1-19/32	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	2-7/32	2-1/8	15/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-3/4	6.2																	
	45mm	*3.0*	*40.5*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*56.4*	*54.0*	*11.9*	*28.6*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-5/8	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-7/16	2-1/4	15/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*3.3*	*41.3*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*27.0*	*19.1*	*115.1*	*61.9*	*57.2*	*11.9*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-23/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	2-23/32	2-1/2	1/2	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	55mm	*4.2*	*43.7*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*69.1*	*63.5*	*12.7*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*

SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSCB INTERMEDIATE DUTY PILLOW BLOCKS

Lube Fitting
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203 (VSC)	1/2	**125500**	P2B-VSC-008	@	P2B-VSC-008-NL
	5/8	**125501**	P2B-VSC-010	@	P2B-VSC-010-NL
	17mm	@	*P2B-VSC-17M*	@	*P2B-VSC-17M-NL*
204	3/4	**123595**	P2B-VSCB-012	**050833**	P2B-VSCB-012-NL
	20mm	@	*P2B-VSCB-20M*	@	*P2B-VSCB-20M-NL*
205	7/8	**125508**	P2B-VSCB-014	@	P2B-VSCB-014-NL
	15/16	**125509**	P2B-VSCB-015	@	P2B-VSCB-015-NL
	1	**123596**	P2B-VSCB-100	**050828**	P2B-VSCB-100-NL
	25mm	@	*P2B-VSCB-25M*	@	*P2B-VSCB-25M-NL*
206	1-1/8	**125510**	P2B-VSCB-102	@	P2B-VSCB-102-NL
	1-3/16	**123597**	P2B-VSCB-103	**050829**	P2B-VSCB-103-NL
	1-1/4	**123605**	P2B-VSCB-104S	@	P2B-VSCB-104S-NL
	30mm	@	*P2B-VSCB-30M*	@	*2B-VSCB-30M-NL*
207	1-1/4	**123598**	P2B-VSCB-104	@	P2B-VSCB-104-NL
	1-3/8	**125511**	P2B-VSCB-106	@	P2B-VSCB-106-NL
	1-7/16	**123599**	P2B-VSCB-107	**050830**	P2B-VSCB-107-NL
	35mm	@	*P2B-VSCB-35M*	@	*P2B-VSCB-35M-NL*
208	1-1/2	**123600**	P2B-VSCB-108	@	P2B-VSCB-108-NL
	40mm	***125690***	*P2B-VSCB-40M*	@	*P2B-VSCB-40M-NL*
209	1-11/16	**125512**	P2B-VSCB-111	**050848**	P2B-VSCB-111-NL
	1-3/4	**125507**	P2B-VSCB-112	@	P2B-VSCB-112-NL
	45mm	@	*P2B-VSCB-45M*	***068428***	*P2B-VSCB-45M-NL*
210	1-15/16	**123601**	P2B-VSCB-115	@	P2B-VSCB-115-NL
	2	**123602**	P2B-VSCB-200	@	P2B-VSCB-200-NL
	50mm	@	*P2B-VSCB-50M*	@	*P2B-VSCB-50M-NL*
211	2	**123607**	P2B-VSCB-200L	@	P2B-VSCB-200L-NL
	2-3/16	**123603**	P2B-VSCB-203	**050831**	P2B-VSCB-203-NL
	55mm	@	*P2B-VSCB-55M*	@	*P2B-VSCB-55M-NL*

@ Assembled to order

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Setscrew Ball Bearings
VSCB INTERMEDIATE DUTY PILLOW BLOCKS

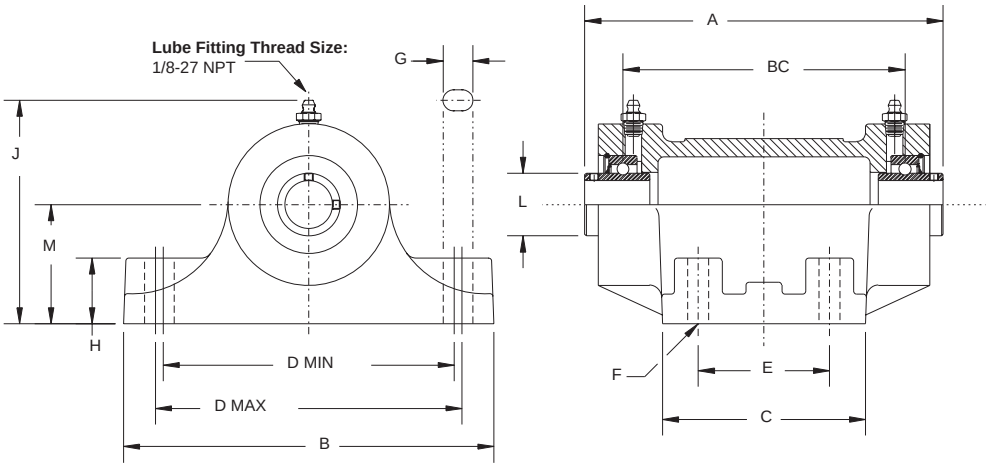
Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						Min.	Max.												
203 (VSC)	1/2	1.1	15/16	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-17/64	31/32	1-1/16	19/64	41/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.5*	*23.8*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*24.6*	*27.0*	*7.5*	*16.3*	*57.2*	*114.3*	*9.5*	*3.2*
204	3/4	1.4	1-1/16	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	29/64	2-1/2	1-1/8	1-1/4	21/64	47/64	2-1/4	4-1/2	1/2	1/8
	20mm	*0.6*	*27.0*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*11.5*	*63.5*	*28.6*	*31.8*	*8.3*	*18.7*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/32	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	1-5/16	1-5/16	21/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.8*	*27.8*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*11.5*	*67.5*	*33.3*	*33.3*	*8.3*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/8	2.7	1-19/64	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	1-37/64	1-9/16	25/64	29/32	2-7/8	5-3/4	9/16	3/16
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.2*	*32.9*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*40.1*	*39.87*	*9.9*	*23.0*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.5	1-7/16	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	41/64	3-11/16	1-27/32	1-13/16	13/32	1-1/32	2-29/32	5-13/16	9/16	3/16
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*2.0*	*36.5*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.3*	*93.7*	*46.8*	*46.0*	*10.3*	*26.2*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-1/2	5.4	1-9/16	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-3/64	1-15/16	15/32	1-3/32	3-17/64	6-17/32	11/16	3/16
	40mm	*2.5*	*39.7*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*52.0*	*49.2*	*11.9*	*27.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-11/16	6.4	1-19/32	7-7/16	2	5-1/2	6-3/16	1/2	29/32	11/16	4-7/32	2-7/32	2-1/16	15/32	1-1/8	3-3/8	6-3/4	11/16	3/16
	1-3/4	6.2																	
	45mm	*3.0*	*40.5*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*17.5*	*107.2*	*56.4*	*52.4*	*11.9*	*28.6*	*85.7*	*187.5*	*17.5*	*4.8*
210	1-15/16	7.2	1-5/8	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	2-7/16	2-3/16	15/32	1-5/32	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*3.3*	*41.3*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*61.9*	*55.6*	*11.9*	*29.4*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.0	1-23/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	2-23/32	2-7/16	1/2	1-7/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	8.9																	
	55mm	*4.2*	*43.7*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*69.1*	*61.9*	*12.7*	*31.0*	*100.0*	*200.0*	*20.6*	*4.8*

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings

CC BALL BEARING FAN AND BLOWER PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
205	15/16	**134131**	F&B-CC-015
	1	**134132**	F&B-CC-100
206	1-1/8	**134134**	F&B-CC-102
	1-3/16	**134135**	F&B-CC-103
207	1-1/4	**134136**	F&B-CC-104
	1-3/8	**134138**	F&B-CC-106
	1-7/16	**134139**	F&B-CC-107
209	1-11/16	**134140**	F&B-CC-111
	1-3/4	**134141**	F&B-CC-112
210	1-15/16	**134142**	F&B-CC-115
211	2-3/16	**134144**	F&B-CC-203

Setscrew Ball Bearings

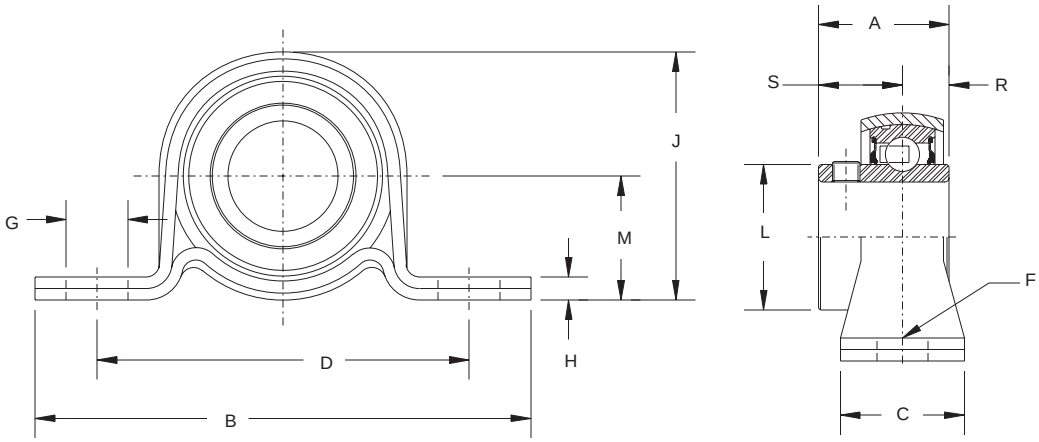
CC BALL BEARING FAN AND BLOWER PILLOW BLOCKS

Series	Shaft Size	Weight lbs.	A	B	C	D		E	F Bolt Dia.	G	H	J	L	M	Bearing Centers BC
						Min.	Max.								
205	15/16 1	16.1 16.0	7-1/2	7-3/4	4-1/4	6-1/16	6-7/16	2-3/4	3/8	5/8	1-1/4	4-5/8	1-5/16	2-1/2	5-29/32
206	1-1/8 1-3/16	16.3 16.2	7-25/32	7-3/4	4-1/4	6-1/16	6-7/16	2-3/4	3/8	5/8	1-1/4	4-5/8	1-19/32	2-1/2	5-61/64
207	1-1/4 1-3/8 1-7/16	36.6 36.2 36.0	10-39/64	10	5-1/2	7-3/4	8-1/4	3-1/2	1/2	7/8	1-9/16	5-9/16	1-27/32	3	8-15/32
209	1-11/16 1-3/4	35.0 34.8	10-21/32	10	5-1/2	7-3/4	8-1/4	3-1/2	1/2	7/8	1-9/16	5-9/16	2-9/32	3	8-5/16
210	1-15/16	60.0	13-25/32	12	7	9-1/8	9-7/8	4-1/2	5/8	1-1/8	1-3/4	6-7/16	2-15/32	3-1/2	11-3/8
211	2-3/16	56.0	14-5/32	12	7	9-1/8	9-7/8	4-1/2	5/8	1-1/8	1-3/4	6-7/16	2-3/4	3-1/2	11-3/8

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SL LIGHT DUTY PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
203	1/2	**059637**	P2B-SL-008
	5/8	**128197**	P2B-SL-010
	17mm	*@*	*P2BSL-17M*
204	3/4	**128106**	P2B-SL-012
	20mm	*@*	*P2B-SL-20M*
205	7/8	**128170**	P2B-SL-014
	15/16	**128171**	P2B-SL-015
	1	**128107**	P2B-SL-100
	25mm	***068068***	*P2B-SL-25M*
206	1-1/8	**128172**	P2B-SL-102
	1-3/16	**128108**	P2B-SL-103
	1-1/4	**128111**	P2B-SL-104S
	30mm	*@*	*P2B-SL-30M*
207	1-1/4	**128109**	P2B-SL-104
	1-3/8	**128173**	P2B-SL-106
	1-7/16	**128110**	P2B-SL-107
	35mm	*@*	*P2B-SL-35M*

@ Assembled to order

Setscrew Ball Bearings
SL LIGHT DUTY PILLOW BLOCKS

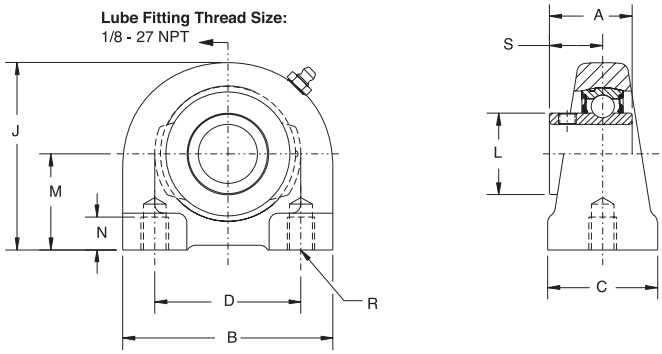
Series	Shaft Size	Weight lb. *ks.*	A	B	C	D	F Bolt Dia	G	H	J	L	M	R	S	Housing Radial Load Rating (lbs)
203	1/2	0.51	15/16	3-5/8	1	2-11/16	1/4	11/32	0.133	1-11/16	31/32	27/32	19/64	41/64	250
	5/8	0.49													
	17mm	*0.2*	*23.8*	*92.1*	*25.4*	*68.3*	*M6*	*8.7*	*3.4*	*42.9*	*24.6*	*21.4*	*7.5*	*16.3*	*1,112*
204	3/4	0.61	1-1/16	4-1/8	1	3	3/8	1/2	0.178	2-1/16	1-1/8	1	21/64	47/64	350
	20mm	*0.3*	*27.0*	*104.8*	*25.4*	*76.2*	*M10*	*12.7*	*4.5*	*52.4*	*28.6*	*25.4*	*8.3*	*18.7*	*1,556*
205	7/8	0.79	1-3/32	4-1/2	1-1/8	3-3/8	3/8	9/16	0.208	2-7/32	1-21/64	1-1/8	21/64	49/64	400
	15/16	0.76													
	1	0.73													
	25mm	*0.4*	*27.8*	*114.3*	*28.6*	*85.7*	*M10*	*14.3*	*5.3*	*56.4*	*33.7*	*28.6*	*8.3*	*19.4*	*1,779*
206	1-1/8	1.14	1-19/64	4-7/8	1-1/8	3-3/4	3/8	9/16	0.238	2-5/8	1-37/64	1-5/16	25/64	29/32	600
	1-3/16	1.12													
	1-1/4	1.10													
	30mm	*0.5*	*32.9*	*123.8*	*28.6*	*95.3*	*M10*	*14.3*	*6.0*	*66.7*	*40.1*	*33.3*	*9.9*	*23.0*	*2,668*
207	1-1/4	1.54	1-7/16	5-3/4	1-1/4	4-1/4	1/2	3/4	0.238	3-1/8	1-27/32	1-9/16	13/32	1-1/32	800
	1-3/8	1.50													
	1-7/16	1.48													
	35mm	*0.7*	*36.5*	*146.1*	*31.8*	*108.0*	*M12*	*19.1*	*6.0*	*79.4*	*46.8*	*39.7*	*10.3*	*26.2*	*3,557*

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings

SC NORMAL DUTY TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	1/2	**124460**	TB-SC-008
	5/8	**124461**	TB-SC-010
	3/4	**124462**	TB-SC-012
	20mm	***130354***	*TB-SC-20M*
205	7/8	**124463**	TB-SC-014
	15/16	**124464**	TB-SC-015
	1	**124465**	TB-SC-100
	25mm	***130355***	*TB-SC-25M*
206	1-1/16	**124466**	TB-SC-101
	1-1/8	**124467**	TB-SC-102
	1-3/16	**124468**	TB-SC-103
	1-1/4	**124469**	TB-SC-104S
	30mm	***130356***	*TB-SC-30M*
207	1-1/4	**124470**	TB-SC-104
	1-5/16	**124471**	TB-SC-105
	1-3/8	**124472**	TB-SC-106
	1-7/16	**124473**	TB-SC-107
	35mm	***130357***	*TB-SC-35M*
208	1-1/2	**124479**	TB-SC-108
	1-5/8	**128998**	TB-SC-110
	40mm	***130358***	*TB-SC-40M*
209	1-5/8	**049859**	TB-SC-110L
	1-11/16	**054548**	TB-SC-111
	1-3/4	**054781**	TB-SC-112
	45mm	***130359***	*TB-SC-45M*
210	1-15/16	**124478**	TB-SC-115
	2	**052472**	TB-SC-200
	50mm	***130360***	*TB-SC-50M*
211	2	**124480**	TB-SC-200L
	2-3/16	**050386**	TB-SC-203
	2-1/4	**054436**	TB-SC-204
	55mm	***130361***	*TB-SC-55M*

Setscrew Ball Bearings
SC NORMAL DUTY TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs. kgs.	A	B	C	D	J	L	M	N	R	S
204	1/2	1.56	1-5/32	2-7/8	1-1/2	2	2-9/16	1-1/8	1-5/16	1/2	3/8- 16	47/64
	5/8	1.53										
	3/4	1.50										
	20mm	*0.06*	*29.4*	*73.0*	*38.1*	*50.8*	*65.1*	*28.6*	*33.3*	*12.7*	*M8x1.25*	*18.7*
205	7/8	1.93	1-3/16	3	1-1/2	2.0	2-13/16	1-21/64	1-7/16	1/2	3/8- 16	49/64
	15/16	1.90										
	1	1.87										
	25mm	*0.07*	*30.2*	*76.2*	*38.1*	*50.8*	*71.4*	*33.7*	*36.5*	*12.7*	*M10x1.5*	*19.4*
206	1-1/16	2.66	1-25/64	4	1-1/2	3.0	3-3/8	1-37/64	1-11/16	5/8	7/16 - 14	29/32
	1-1/8	2.62										
	1-3/16	2.59										
	1-1/4	2.56										
	30mm	*0.10*	*35.3*	*101.6*	*38.1*	*76.2*	*85.7*	*40.1*	*42.9*	*15.9*	*M10x1.5*	*23.0*
207	1-1/4	3.41	1-17/32	4-1/4	1-7/8	3-1/4	3-3/4	1-27/32	1-7/8	3/4	1/2 - 13	1-1/32
	1-5/16	3.36										
	1-3/8	3.34										
	1-7/16	3.25										
	35mm	*0.13*	*38.9*	*108.0*	*47.6*	*82.6*	*95.3*	*46.8*	*47.6*	*19.1*	*M10x1.5*	*26.2*
208	1-1/2	4.10	1-11/16	4-5/8	1-7/8	3-1/2	3-15/16	2-3/64	1-15/16	3/4	1/2-13	1-3/32
	1-5/8	4.00										
	40mm	*0.16*	*42.9*	*117.5*	*47.6*	*88.9*	*100.0*	*52.0*	*49.2*	*19.1*	*M12x1.75*	*27.8*
209	1-5/8	5.20	1-23/32	5	2	3-3/4	4-1/4	2-7/32	2-1/8	3/4	1/2-13	1-1/8
	1-11/16	5.00										
	1-3/4	4.90										
	45mm	*0.20*	*43.7*	*127.0*	*50.8*	*95.3*	*108.0*	*56.4*	*54.0*	*19.1*	*M12x1.75*	*28.6*
210	1-15/16	5.40	1-3/4	5-1/2	2	4	4-5/8	2-7/16	2-1/4	7/8	5/8-11	1-5/32
	2	5.20										
	50mm	*0.21*	*44.5*	*139.7*	*50.8*	*101.6*	*117.5*	*61.9*	*57.2*	*22.2*	*M16x2*	*29.4*
211	2	6.70	1-27/32	5-1/2	2	4	4-5/8	2-23/32	2-1/4	7/8	5/8 - 11	1-7/32
	2-3/16	6.50										
	2-1/4	6.30										
	55mm	*0.25*	*46.8*	*139.7*	*50.8*	*101.6*	*117.5*	*69.1*	*57.2*	*22.2*	*M16x2*	*31.0*

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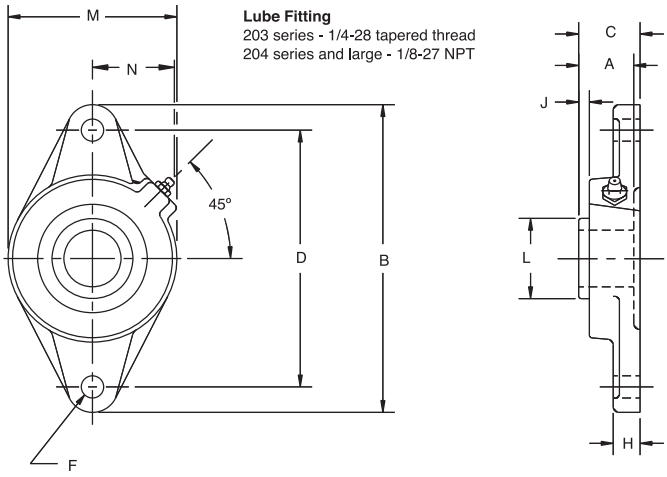
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT FLANGE BEARINGS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and large - 1/8-27 NPT

Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**124198**	F2B-SC-008	@	F2B-SC-008-NL	@	F2B-SC-008-FF
	5/8	**124199**	F2B-SC-010	**124256**	F2B-SC-010-NL	@	F2B-SC-010-FF
	17mm	***125875***	*F2B-SC-17M*	@	*F2B-SC-17M-NL*	@	*F2B-SC-17M-FF*
204	1/2	**124166**	F2B-SC-008L	**052220**	F2B-SC-008L-NL	@	F2B-SC-008L-FF
	5/8	**124167**	F2B-SC-010L	**124176**	F2B-SC-010L-NL	@	F2B-SC-010L-FF
	3/4	**124170**	F2B-SC-012	**124175**	F2B-SC-012-NL	**057279**	F2B-SC-012-FF
	20mm	***125876***	*F2B-SC-20M*	***050119***	*F2B-SC-20M-NL*	@	*F2B-SC-20M-FF*
205	7/8	**124171**	F2B-SC-014	**126516**	F2B-SC-014-NL	**052542**	F2B-SC-014-FF
	15/16	**124172**	F2B-SC-015	@	F2B-SC-015-NL	**054731**	F2B-SC-015-FF
	1	**124173**	F2B-SC-100	**124174**	F2B-SC-100-NL	**124391**	F2B-SC-100-FF
	25mm	***125877***	*F2B-SC-25M*	***124785***	*F2B-SC-25M-NL*	***068465***	*F2B-SC-25M-FF*
206	1-1/16	**124410**	F2B-SC-101	@	F2B-SC-101-NL	@	F2B-SC-101-FF
	1-1/8	**124274**	F2B-SC-102	**065766**	F2B-SC-102-NL	**050554**	F2B-SC-102-FF
	1-3/16	**124275**	F2B-SC-103	**124614**	F2B-SC-103-NL	@	F2B-SC-103-FF
	1-1/4	**123172**	F2B-SC-104S	@	F2B-SC-104S-NL	**051968**	F2B-SC-104S-FF
	30mm	***125878***	*F2B-SC-30M*	***126102***	*F2B-SC-30M-NL*	@	*F2B-SC-30M-FF*
207	1-1/4	**124276**	F2B-SC-104	**126518**	F2B-SC-104-NL	**052664**	F2B-SC-104-FF
	1-5/16	**124411**	F2B-SC-105	@	F2B-SC-105-NL	@	F2B-SC-105-FF
	1-3/8	**124277**	F2B-SC-106	**126519**	F2B-SC-106-NL	**067807**	F2B-SC-106-FF
	1-7/16	**124278**	F2B-SC-107	**124618**	F2B-SC-107-NL	**124456**	F2B-SC-107-FF
	35mm	***125879***	*F2B-SC-35M*	***067663***	*F2B-SC-35M-NL*	@	*F2B-SC-35M-FF*

@Assembled to order

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Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
203	1/2 5/8 *17mm*	0.8 0.7 *0.3*	1 *25.4*	3-7/8 *98.4*	1-3/16 *30.2*	3 *76.2*	3/8 *M10*	3/8 *9.5*	11/32 *8.7*	31/32 *24.6*	2-1/8 *54.0*	1-1/8 *28.6*
204	1/2 5/8 3/4 *20mm*	1.6 1.5 1.4 *0.5*	1-5/32 *29.4*	4-13/32 *111.9*	1-3/8 *34.6*	3-17/32 *89.7*	3/8 *M10*	1/2 *12.7*	25/64 *9.6*	1-1/8 *28.6*	2-3/8 *60.3*	1-1/2 *38.1*
205	7/8 15/16 1 *25mm*	1.6 1.5 1.4 *0.6*	1-3/16 *30.2*	4-7/8 *123.8*	1-11/32 *34.1*	3-57/64 *98.8*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-3/4 *69.9*	1-7/16 *36.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.3 2.2 2.1 2.0 *1.0*	1-25/64 *35.3*	5-9/16 *141.3*	1-17/32 *38.8*	4-19/32 *116.7*	7/16 *M12*	1/2 *12.7*	15/32 *11.6*	1-37/64 *40.1*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	3.5 3.4 3.2 3.1 *1.5*	1-17/32 *38.9*	6-1/8 *155.6*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	1-27/32 *46.8*	3-3/4 *95.3*	1-27/32 *46.8*

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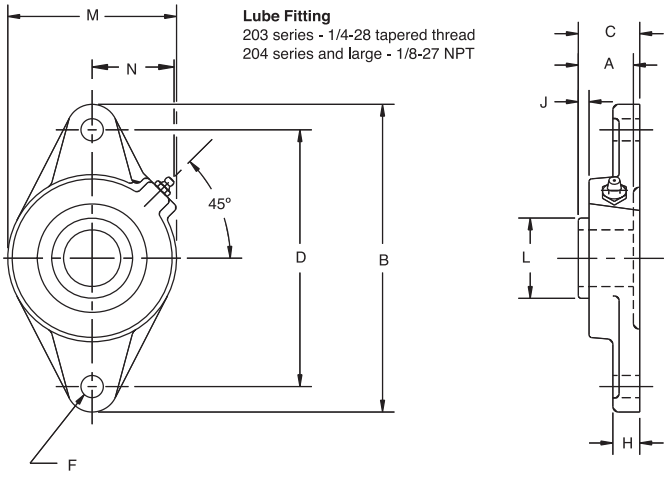
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT FLANGE BEARINGS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and large - 1/8-27 NPT

Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**124268**	F2B-SC-108	**052011**	F2B-SC-108-NL	**124457**	F2B-SC-108-FF
	1-5/8	**124412**	F2B-SC-110	@	F2B-SC-110-NL	@	F2B-SC-110-FF
	40mm	***125880***	*F2B-SC-40M*	***126042***	*F2B-SC-40M-NL*	@	*F2B-SC-40M-FF*
209	1-5/8	**125171**	F2B-SC-110L	@	F2B-SC-110L-NL	@	F2B-SC-110L-FF
	1-11/16	**124279**	F2B-SC-111	**067666**	F2B-SC-111-NL	**057849**	F2B-SC-111-FF
	1-3/4	**124413**	F2B-SC-112	**126521**	F2B-SC-112-NL	**124455**	F2B-SC-112-FF
	1-13/16	**124280**	F2B-SC-113	**067019**	F2B-SC-113-NL	@	F2B-SC-113-FF
	45mm	***125881***	*F3B-SC-45M*	@	*F2B-SC-45M-NL*	@	*F2B-SC-45M-FF*
210	1-15/16	**124269**	F2B-SC-115	**126522**	F2B-SC-115-NL	@	F2B-SC-115-FF
	2	**124270**	F2B-SC-200	**126523**	F2B-SC-200-NL	**124542**	F2B-SC-200-FF
	50mm	***125882***	*F2B-SC-50M*	@	*F2B-SC-50M-NL*	@	*F2B-SC-50M-FF*
211	2	**126293**	F2B-SCM-200	**065595**	F2B-SCM-200-NL	**058986**	F2B-SCM-200-FF
	2-3/16	**124034**	F2B-SC-203	**067959**	F2B-SC-203-NL	@	F2B-SC-203-FF
	2-1/4	**124373**	F2B-SC-204	@	F2B-SC-204-NL	@	F2B-SC-204-FF
	55mm	***124942***	*F2B-SC-55M*	@	*F2B-SC-55M-NL*	@	*F2B-SC-55M-FF*
212	2-1/4	@	F2B-SCM-204	@	F2B-SCM-204-NL	@	F2B-SCM-204-FF
	2-7/16	**053175**	F2B-SC-207	**049437**	F2B-SC-207-NL	@	F2B-SC-207-FF
	60mm	***053883***	*F2B-SC-60M*	@	*F2B-SC-60M-NL*	@	*F2B-SC-60M-FF*

@Assembled to order

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Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT FLANGE BEARINGS

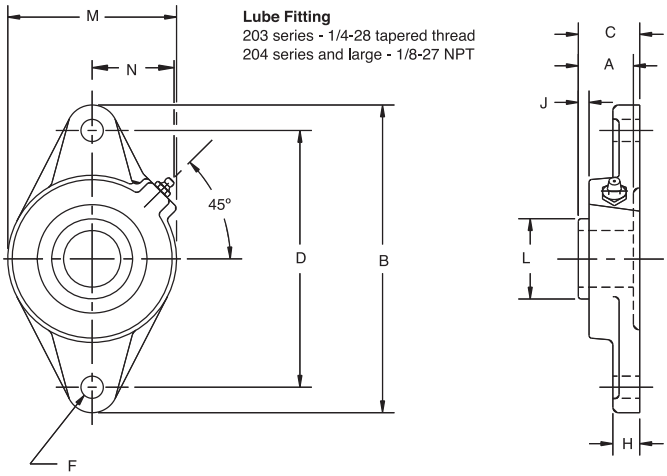
Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
208	1-1/2 1-5/8 *40mm*	4.1 4.0 *1.8*	1-11/16 *42.9*	6-3/4 *171.5*	1-7/8 *47.5*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	2-3/64 *52.0*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-5/8 1-11/16 1-3/4 1-13/16 *45mm*	5.2 5.0 4.9 4.7 *2.2*	1-23/32 *43.7*	7-1/16 *179.4*	1-15/16 *49.2*	5-27/32 *148.4*	1/2 *M14*	5/8 *15.9*	17/32 *13.4*	2-7/32 *56.4*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-15/16 2 *50mm*	5.4 5.2 *2.5*	1-3/4 *44.5*	7-7/16 *188.9*	2 *50.7*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	17/32 *13.4*	2-7/16 *61.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2-3/16 2-1/4 *55mm*	6.7 6.5 6.3 *3.0*	1-27/32 *46.8*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	5-1/4 *133.4*	2-17/64 *57.5*
212	2-1/4 2-7/16 *60mm*	7.4 7.0 *3.4*	1-63/64 *50.4*	9-13/16 *249.2*	2-9/32 *57.9*	7-61/64 *202.0*	7/8 *M22*	13/16 *20.6*	9/16 *14.3*	2-31/32 *75.4*	5-1/2 *139.7*	2-15/32 *62.7*

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and large - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
203	1/2	@	F2B-SCAH-008
	5/8	**049742**	F2B-SCAH-010
	17mm	***056902***	*F2B-SCAH-17M*
204	1/2	@	F2B-SCAH-008L
	5/8	@	F2B-SCAH-010L
	3/4	**123730**	F2B-SCAH-012
	20mm	*@*	*F2B-SCAH-20M*
205	7/8	@	F2B-SCAH-014
	15/16	**124244**	F2B-SCAH-015
	1	**123731**	F2B-SCAH-100
	25mm	*@*	*F2B-SCAH-25M*
206	1-1/16	@	F2B-SCAH-101
	1-1/8	@	F2B-SCAH-102
	1-3/16	**123732**	F2B-SCAH-103
	1-1/4	**123184**	F2B-SCAH-104S
	30mm	*@*	*F2B-SCAH-30M*
207	1-1/4	**123733**	F2B-SCAH-104
	1-5/16	@	F2B-SCAH-105
	1-3/8	@	F2B-SCAH-106
	1-7/16	**123734**	F2B-SCAH-107
	35mm	*@*	*F2B-SCAH-35M*

@ Assembled to order

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Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
203	1/2 5/8 *17mm*	0.8 0.7 *0.3*	1 *25.4*	3-7/8 *98.4*	1-3/16 *30.2*	3 *76.2*	3/8 *M10*	3/8 *9.5*	11/32 *8.7*	31/32 *24.6*	2-1/8 *54.0*	1-1/8 *28.6*
204	1/2 5/8 3/4 *20mm*	1.6 1.5 1.4 *0.5*	1-5/32 *29.4*	4-13/32 *111.9*	1-3/8 *34.6*	3-17/32 *89.7*	3/8 *M10*	1/2 *12.7*	25/64 *9.6*	1-1/8 *28.6*	2-3/8 *60.3*	1-1/2 *38.1*
205	7/8 15/16 1 *25mm*	1.6 1.5 1.4 *0.6*	1-3/16 *30.2*	4-7/8 *123.8*	1-11/32 *34.1*	3-57/64 *98.8*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-3/4 *69.9*	1-7/16 *36.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.3 2.2 2.1 2.0 *1.0*	1-25/64 *35.3*	5-9/16 *141.3*	1-17/32 *38.8*	4-19/32 *116.7*	7/16 *M12*	1/2 *12.7*	15/32 *11.6*	1-37/64 *40.1*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	3.5 3.4 3.2 3.1 *1.5*	1-17/32 *38.9*	6-1/8 *155.6*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	1-27/32 *46.8*	3-3/4 *95.3*	1-27/32 *46.8*

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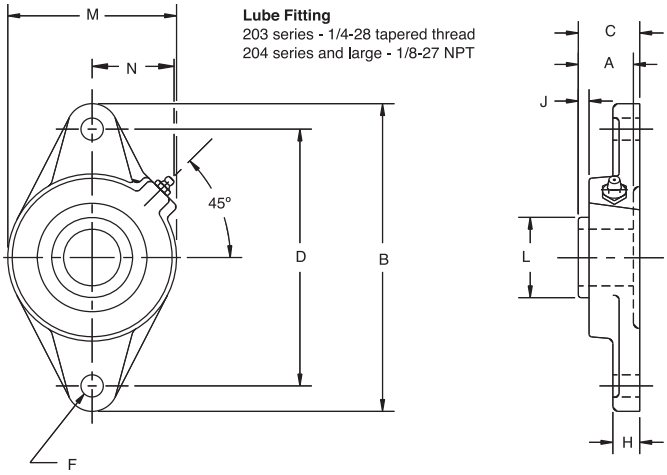
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and large - 1/8-27 NPT

Series	Shaft Size	Part No.	Description
208	1-1/2	**123735**	F2B-SCAH-108
	1-5/8	**@**	F2B-SCAH-110
	40mm	*@*	*F2B-SCAH-40M*
209	1-5/8	**@**	F2B-SCAH-110L
	1-11/16	**123736**	F2B-SCAH-111
	1-3/4	**123737**	F2B-SCAH-112
	45mm	*@*	*F2B-SCAH-45M*
210	1-15/16	**123738**	F2B-SCAH-115
	2	**@**	F2B-SCAH-200
	50mm	*@*	*F2B-SCAH-50M*
211	2	**@**	F2B-SCMAH-200
	2/3/16	**124794**	F2B-SCAH-203
	2-1/4	**@**	F2B-SCAH-204
	55mm	*@*	*F2B-SCAH-55M*
212	2-1/4	**@**	F2B-SCMAH-204
	2-7/16	**057707**	F2B-SCAH-207
	60mm	*@*	*F2B-SCAH-60M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings

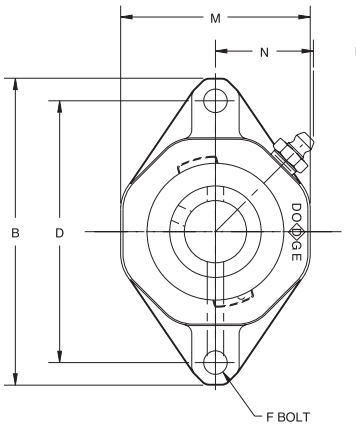
SCAH NORMAL DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS

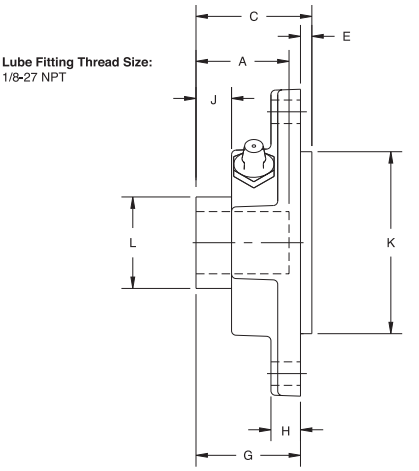
Series	Shaft Size	Weight lbs. *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
208	1-1/2 1-5/8 *40mm*	4.1 4.0 *1.8*	1-11/16 *42.9*	6-3/4 *171.5*	1-7/8 *47.5*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	2-3/64 *52.0*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	5.2 5.0 4.9 *2.2*	1-23/32 *43.7*	7-1/16 *179.4*	1-15/16 *49.2*	5-27/32 *148.4*	1/2 *M14*	5/8 *15.9*	17/32 *13.4*	2-7/32 *56.4*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-15/16 2 *50mm*	5.4 5.2 *2.5*	1-3/4 *44.5*	7-7/16 *188.9*	2 *50.7*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	17/32 *13.4*	2-7/16 *61.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2/3/16 2-1/4 *55mm*	6.7 6.4 6.3 *3.0*	1-27/32 *46.8*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	5-1/4 *133.4*	2-17/64 *57.5*
212	2-1/4 2-7/16 *60mm*	7.4 7.0 *3.4*	1-63/64 *50.4*	9-13/16 *249.2*	2-9/32 *57.9*	7-61/64 *202.0*	7/8 *M22*	13/16 *20.6*	9/16 *14.3*	2-31/32 *75.4*	5-1/2 *139.7*	2-15/32 *62.7*

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS





Series	Shaft Size	Part No.	Description
204	1/2	@	F2BZ-SC-008
	5/8	**064775**	F2BZ-SC-010
	3/4	**062648**	F2BZ-SC-012
	20mm	***130367***	*F2BZ-SC-20M*
205	7/8	@	F2BZ-SC-014
	15/16	@	F2BZ-SC-015
	1	**056929**	F2BZ-SC-100
	25mm	***130368***	*F2BZ-SC-25M*
206	1-1/8	**049926**	F2BZ-SC-102
	1-3/16	**064480**	F2BZ-SC-103
	1-1/4	@	F2BZ-SC-104S
	30mm	***130369***	*F2BZ-SC-30M*
207	1-1/4	**064089**	F2BZ-SC-104
	1-3/8	@	F2BZ-SC-106
	1-7/16	@	F2BZ-SC-107
	35mm	***130370***	*F2BZ-SC-35M*
208	1-1/2	**062686**	F2BZ-SC-108
	1-5/8	@	F2BZ-SC-110
	40mm	***130371***	*F2BZ-SC-40M*
209	1-5/8	@	F2BZ-SC-110L
	1-11/16	**068839**	F2BZ-SC-111
	1-3/4	@	F2BZ-SC-112
	45mm	***130372***	*F2BZ-SC-45M*
210	1-15/16	**056845**	F2BZ-SC-115
	2	@	F2BZ-SC-200
	50mm	***130373***	*F2BZ-SC-50M*

@ Assembled to order

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DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia	G	H	J	K	L	M	N
204	1/2	1.2	1-5/32	4-27/64	1-31/64	3-17/32	0.138	3/8	1-11/32	29/64	21/64	2.1654	1-1/8	2-3/8	1-3/8
	5/8	1.2													
	3/4	1.1													
	20mm	*0.3*	*29.4*	*112.3*	*37.6*	*89.7*	*3.5*	*M10*	*34.1*	*11.5*	*8.3*	*55*	*28.6*	*60.3*	*34.9*
205	7/8	1.4	1-3/16	4-7/8	1-33/64	3-57/64	0.138	7/16	1-1/4	29/64	23/64	2.3622	1-21/64	2-3/4	1-9/16
	15/16	1.4													
	1	1.4													
	25mm	*0.6*	*30.2*	*123.8*	*38.3*	*98.8*	*3.5*	*M10*	*34.8*	*11.5*	*9.1*	*60*	*33.7*	*69.9*	*39.7*
206	1-1/8	1.8	1-25/64	5-9/16	1-49/64	4-19/32	0.118	7/16	1-21/32	1/2	25/64	3.1496	1-37/64	3-1/4	1-3/4
	1-3/16	1.8													
	1-1/4	1.8													
	30mm	*0.8*	*35.3*	*141.3*	*44.8*	*116.7*	*3.0*	*M10*	*41.8*	*12.7*	*9.9*	*80*	*40.1*	*82.6*	*44.5*
207	1-1/4	2.7	1-17/32	6-1/8	1-55/64	5-1/8	0.158	1/2	1-45/64	31/64	17/32	3.5433	1-27/32	3-3/4	1-57/64
	1-3/8	2.6													
	1-7/16	2.6													
	35mm	*1.2*	*38.9*	*155.6*	*47.2*	*130.2*	*4.0*	*M12*	*43.2*	*12.3*	*13.5*	*90*	*46.8*	*95.3*	*48.0*
208	1-1/2	3.9	1-11/16	6-3/4	2-3/64	5-21/32	0.158	1/2	1-57/64	1/2	1/2	3.9370	2-3/64	4-1/8	1-7/8
	1-5/8	3.8													
	40mm	*1.7*	*42.9*	*171.5*	*51.8*	*143.7*	*4.0*	*M12*	*48.0*	*12.7*	*12.7*	*100*	*52.0*	*104.8*	*47.6*
209	1-5/8	4.2	1-23/32	7-1/16	2-5/64	5-27/32	0.158	9/16	1-59/64	31/64	17/32	4.1339	2-7/32	4-3/8	1-31/32
	1-11/16	4.1													
	1-3/4	4.1													
	45mm	*2.5*	*43.7*	*179.4*	*52.86*	*148.4*	*4.0*	*M12*	*48.8*	*12.3*	*13.5*	*105*	*56.4*	*111.1*	*50.0*
210	1-15/16	3.6	1-3/4	7-7/16	2-17/64	6-3/16	0.158	9/16	2-7/64	5/8	1/2	4.1339	2-7/16	4-9/16	2-1/32
	2	4.4													
	50mm	*2.6*	*44.5*	*188.9*	*57.4*	*157.2*	*4.0*	*M16*	*53.4*	*15.9*	*12.7*	*105*	*61.9*	*115.9*	*51.6*

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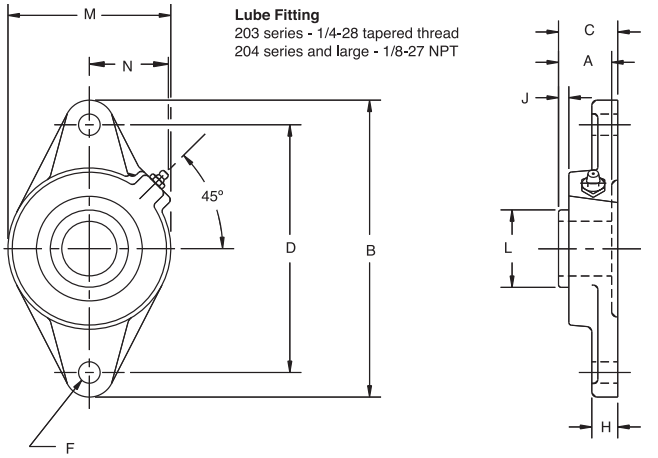
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCM MEDIUM DUTY 2-BOLT FLANGE BEARINGS



Lube Fitting
203 series - 1/4-28 tapered thread
204 series and large - 1/8-27 NPT

Series	Shaft Size	Standard		Sealed for Life		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
206	1	**126284**	F2B-SCM-100	@	F2B-SCM-100-NL	**052616**	F2B-SCM-100-FF
	25mm	***125954***	*F2B-SCM-25M*	@	*F2B-SCM-25M-NL*	@	*F2B-SCM-25M-FF*
207	1-3/16	**126285**	F2B-SCM-103	@	F2B-SCM-103-NL	@	F2B-SCM-103-FF
	1-1/4	**124276**	F2B-SC-104	**126518**	F2B-SC-104-NL	**052664**	F2B-SC-104-FF
	30mm	***125955***	*F2B-SCM-30M*	@	*F2B-SCM-30M-NL*	@	*F2B-SCM-30M-FF*
208	1-7/16	**126287**	F2B-SCM-107	@	F2B-SCM-107-NL	**056645**	F2B-SCM-107-FF
	35mm	***125956***	*F2B-SCM-35M*	@	*F2B-SCM-35M-NL*	@	*F2B-SCM-35M-FF*
209	1-1/2	**126288**	F2B-SCM-108	**126536**	F2B-SCM-108-NL	@	F2B-SCM-108-FF
	1-5/8	**125171**	F2B-SC-110L	@	F2B-SC-110L-NL	@	F2B-SC-110L-FF
	40mm	***125957***	*F2B-SCM-40M*	***067674***	*F2B-SCM-40M-NL*	@	*F2B-SCM-40M-FF*
210	1-11/16	**126289**	F2B-SCM-111	@	F2B-SCM-111-NL	@	F2B-SCM-111-FF
	1-3/4	**126290**	F2B-SCM-112	@	F2B-SCM-112-NL	@	F2B-SCM-112-FF
	45mm	***125958***	*F2B-SCM-45M*	@	*F2B-SCM-45M-NL*	@	*F2B-SCM-45M-FF*
211	1-15/16	**126292**	F2B-SCM-115	@	F2B-SCM-115-NL	@	F2B-SCM-115-FF
	2	**126293**	F2B-SCM-200	**065595**	F2B-SCM-200-NL	**058986**	F2B-SCM-200-FF
	50mm	***125960***	*F2B-SCM-50M*	@	*F2B-SCM-50M-NL*	@	*F2B-SCM-50M-FF*
212	2-3/16	@	F2B-SCM-203	@	F2B-SCM-203-NL	@	F2B-SCM-203-FF
	2-1/4	@	F2B-SCM-204	@	F2B-SCM-204-NL	@	F2B-SCM-204-FF
	55mm	@	*F2B-SCM-55M*	@	*F2B-SCM-55M-NL*	@	*F2B-SCM-55M-FF*

@ Assembled to order

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Setscrew Ball Bearings
SCM MEDIUM DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
206	1 *25mm*	2.4 *1.0*	1-25/64 *35.3*	5-9/16 *141.3*	1-17/32 *38.8*	4-19/32 *116.7*	7/16 *M12*	1/2 *12.7*	15/32 *11.6*	1-37/64 *40.1*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-3/16 1-1/4 *30mm*	3.6 3.5 *1.6*	1-17/32 *38.9*	6-1/8 *155.6*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	1-27/32 *46.8*	3-3/4 *95.3*	1-27/32 *46.8*
208	1-7/16 *35mm*	4.1 *1.9*	1-11/16 *42.9*	6-3/4 *171.5*	1-7/8 *47.5*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	2-3/64 *52.0*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-1/2 1-5/8 *40mm*	5.3 5.2 *2.3*	1-23/32 *43.7*	7-1/16 *179.4*	1-15/16 *49.2*	5-27/32 *148.4*	1/2 *M14*	5/8 *15.9*	17/32 *13.4*	2-7/32 *56.4*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-11/16 1-3/4 *45mm*	5.8 5.6 *2.6*	1-3/4 *44.5*	7-7/16 *188.9*	2 *50.7*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	17/32 *13.4*	2-7/16 *61.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	1-15/16 2 *50mm*	6.7 6.5 *2.9*	1-27/32 *46.8*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	5-1/4 *133.4*	2-17/64 *57.5*
212	2-3/16 2-1/4 *55mm*	7.4 7.2 *3.2*	1-63/64 *50.4*	9-13/16 *249.2*	2-9/32 *57.9*	7-61/64 *202.0*	7/8 *M22*	13/16 *20.6*	9/16 *14.3*	2-31/32 *75.4*	5-1/2 *139.7*	2-15/32 *62.7*

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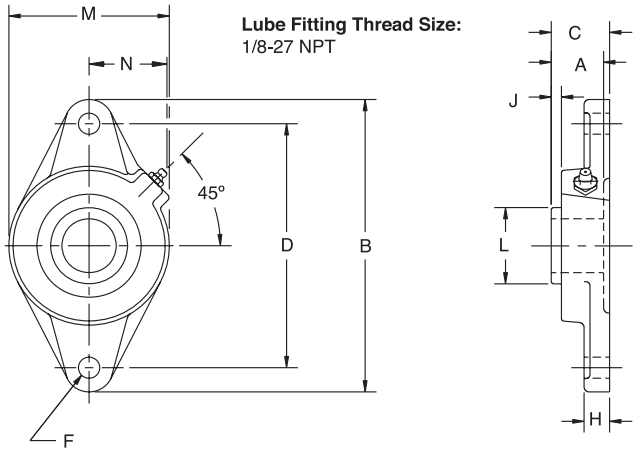
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCMAH MEDIUM DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Standard Description
206	1	**050498**	F2B-SCMAH-100
	25mm	*@*	*F2B-SCMAH-25M*
207	1-3/16	**050146**	F2B-SCMAH-103
	1-1/4	**123733**	F2B-SCAH-104
	30mm	*@*	*F2B-SCMAH-30M*
208	1-7/16	**123755**	F2B-SCMAH-107
	35mm	*@*	*F2B-SCMAH-35M*
209	1-1/2	**@**	F2B-SCMAH-108
	1-5/8	**@**	F2B-SCAH-110L
	40mm	*@*	*F2B-SCMAH-40M*
210	1-11/16	**123757**	F2B-SCMAH-111
	1-3/4	**123758**	F2B-SCMAH-112
	45mm	*@*	*F2B-SCMAH-45M*
211	1-15/16	**064198**	F2B-SCMAH-115
	2	**@**	F2B-SCMAH-200
	50mm	*@*	*F2B-SCMAH-50M*
212	2-3/16	**@**	F2B-SCMAH-203
	2-1/4	**@**	F2B-SCMAH-204
	55mm	*@*	*F2B-SCMAH-55M*

@ Assembled to order

Setscrew Ball Bearings

SCMAH MEDIUM DUTY AIR HANDLING 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
206	1 *25mm*	2.4 *1.0*	1-25/64 *35.3*	5-9/16 *141.3*	1-17/32 *38.8*	4-19/32 *116.7*	7/16 *M12*	1/2 *12.7*	15/32 *11.6*	1-37/64 *40.1*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-3/16 1-1/4 *30mm*	3.6 3.5 *1.6*	1-17/32 *38.9*	6-1/8 *155.6*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	1-27/32 *46.8*	3-3/4 *95.3*	1-27/32 *46.8*
208	1-7/16 *35mm*	4.1 *1.9*	1-11/16 *42.9*	6-3/4 *171.5*	1-7/8 *47.5*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	17/32 *13.4*	2-3/64 *52.0*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-1/2 1-5/8 *40mm*	5.3 5.2 *2.3*	1-23/32 *43.7*	7-1/16 *179.4*	1-15/16 *49.2*	5-27/32 *148.4*	1/2 *M14*	5/8 *15.9*	17/32 *13.4*	2-7/32 *56.4*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-11/16 1-3/4 *45mm*	5.8 5.6 *2.6*	1-3/4 *44.5*	7-7/16 *188.9*	2 *50.7*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	17/32 *13.4*	2-7/16 *61.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	1-15/16 2 *50mm*	6.7 6.5 *2.9*	1-27/32 *46.8*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2 -23/32 *69.1*	5-1/4 *133.4*	2-17/64 *57.5*
212	2-3/16 2-1/4 *55mm*	7.4 7.2 *3.2*	1-63/64 *50.4*	9-13/16 *249.2*	2-9/32 *57.9*	7-61/64 *202.0*	7/8 *M22*	13/16 *20.6*	9/16 *14.3*	2-31/32 *75.4*	5-1/2 *139.7*	2-15/32 *62.7*

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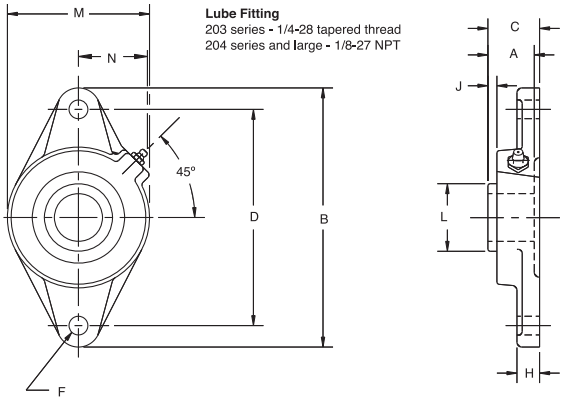
SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	**125516**	F2B-VSC-008	@	F2B-VSC-008-NL
	5/8	**125517**	F2B-VSC-010	@	F2B-VSC-010-NL
	17mm	***125703***	*F2B-VSC-17M*	@	*F2B-VSC-17M-NL*
204	3/4	**123610**	F2B-VSC-012	**057854**	F2B-VSC-012-NL
	20mm	***125704***	*F2B-VSC-20M*	@	*F2B-VSC-20M-NL*
205	7/8	**125518**	F2B-VSC-014	@	F2B-VSC-014-NL
	15/16	**125519**	F2B-VSC-015	@	F2B-VSC-015-NL
	1	**123611**	F2B-VSC-100	**050778**	F2B-VSC-100-NL
	25mm	***125705***	*F2B-VSC-25M*	@	*F2B-VSC-25M-NL*
206	1-1/8	**125520**	F2B-VSC-102	@	F2B-VSC-102-NL
	1-3/16	**123612**	F2B-VSC-103	**050840**	F2B-VSC-103-NL
	1-1/4	**123618**	F2B-VSC-104S	**051888**	F2B-VSC-104S-NL
	30mm	***125752***	*F2B-VSC-30M*	@	*F2B-VSC-30M-NL*
207	1-1/4	**123613**	F2B-VSC-104	@	F2B-VSC-104-NL
	1-3/8	**125521**	F2B-VSC-106	**049468**	F2B-VSC-106-NL
	1-7/16	**123614**	F2B-VSC-107	**051699**	F2B-VSC-107-NL
	35mm	***125706***	*F2B-VSC-35M*	@	*F2B-VSC-35M-NL*
208	1-1/2	**123615**	F2B-VSC-108	@	F2B-VSC-108-NL
	40mm	***125707***	*F2B-VSC-40M*	@	*F2B-VSC-40M-NL*
209	1-11/16	**125522**	F2B-VSC-111	**050842**	F2B-VSC-111-NL
	1-3/4	**125523**	F2B-VSC-112	**049892**	F2B-VSC-112-NL
	45mm	***125708***	*F2B-VSC-45M*	@	*F2B-VSC-45M-NL*
210	1-15/16	**123616**	F2B-VSC-115	**059811**	F2B-VSC-115-NL
	2	**123617**	F2B-VSC-200	**056727**	F2B-VSC-200-NL
	50mm	***125709***	*F2B-VSC-50M*	@	*F2B-VSC-50M-NL*
211	2	**123694**	F2B-VSC-200L	@	F2B-VSC-200L-NL
	2-3/16	**123619**	F2B-VSC-203	@	F2B-VSC-203-NL
	55mm	***125710***	*F2B-VSC-55M*	@	*F2B-VSC-55M-NL*

@Assembled to order

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Setscrew Ball Bearings

VSC INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
203	1/2 5/8 *17mm*	0.8 0.7 *0.36*	15/16 *23.8*	3-7/8 *98.4*	1-3/16 *30.2*	3 *76.2*	3/8 *M10*	3/8 *9.5*	11/32 *8.7*	31/32 *24.6*	2-1/8 *54.0*	1-1/8 *28.6*
204	3/4 *20mm*	1.4 *0.63*	1-1/16 *27.0*	4-13/32 *111.9*	1-3/8 *34.9*	3-17/32 *89.7*	3/8 *M10*	1/2 *12.7*	25/64 *9.9*	1-1/8 *28.6*	2-3/8 *60.3*	1-1/2 *38.1*
205	7/8 15/16 1 *25mm*	1.6 1.5 1.4 *0.67*	1-3/32 *27.8*	4-7/8 *123.8*	1-11/32 *34.1*	3-57/64 *98.8*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-3/4 *69.9*	1-7/16 *36.5*
206	1-1/8 1-3/16 1-1/4 *30mm*	2.2 2.1 2.0 *0.94*	1-19/64 *32.9*	5-9/16 *141.3*	1-17/32 *38.9*	4-19/32 *116.7*	7/16 *M12*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-1/4 1-3/8 1-7/16 *35mm*	3.5 3.3 3.2 *1.43*	1-7/16 *36.5*	6-1/8 *155.6*	1-3/4 *44.5*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	3-3/4 *95.3*	1-27/32 *46.8*
208	1-1/2 *40mm*	4.1 *1.83*	1-9/16 *39.7*	6-3/4 *171.5*	1-7/8 *47.6*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-11/16 1-3/4 *45mm*	5.0 4.9 *2.23*	1-19/32 *40.5*	7-1/16 *179.4*	1-15/16 *49.20*	5-27/32 *148.4*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-15/16 2 *50mm*	5.4 5.2 *2.41*	1-5/8 *40.5*	7-7/16 *188.9*	2 *50.8*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2-3/16 *55mm*	6.7 6.5 *2.99*	1-23/32 *41.3*	8-5/8 *219.1*	2-5/32 *54.8*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	5-1/4 *133.4*	2-17/64 *57.5*

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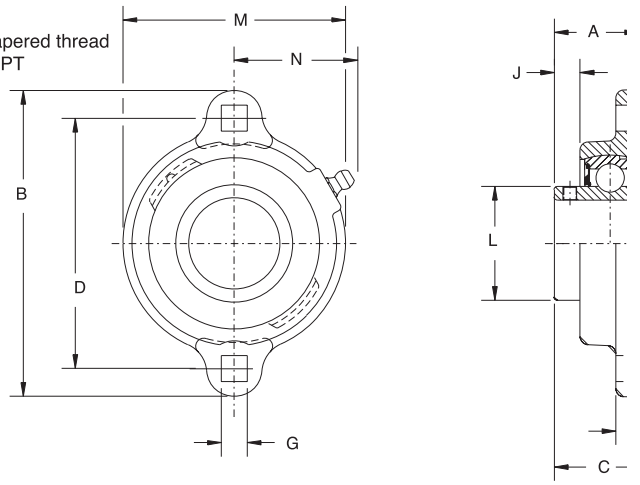
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC LFT DUTY 2-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 - 204 series - 1/4-28 tapered thread
207 - 207 series - 1/8-27 NPT



Series	Shaft Size	Standard		Sealed for Life (No Lube)	
		Part No.	Description	Part No.	Description
203	1/2	**124640**	LFT-SC-008	**124660**	LFT-SC-008-NL
	5/8	**124641**	LFT-SC-010	**124661**	LFT-SC-010-NL
	17mm	***130362***	*LFT-SC-17M*	*@*	*LFT-SC-17M-NL*
204	3/4	**124642**	LFT-SC-012	**124662**	LFT-SC-012-NL
	20mm	***130363***	*LFT-SC-20M*	*@*	*LFT-SC-20M-NL*
205	7/8	**124643**	LFT-SC-014	**124663**	LFT-SC-014-NL
	15/16	**124644**	LFT-SC-015	**124664**	LFT-SC-015-NL
	1	**124645**	LFT-SC-100	**124665**	LFT-SC-100-NL
	25mm	***130364***	*LFT-SC-25M*	*@*	*LFT-SC-25M-NL*
206	1-1/16	**124646**	LFT-SC-101	**124666**	LFT-SC-101-NL
	1-1/8	**124647**	LFT-SC-102	**124667**	LFT-SC-102-NL
	1-3/16	**124648**	LFT-SC-103	**124668**	LFT-SC-103-NL
	1-1/4	**124649**	LFT-SC-104S	**124669**	LFT-SC-104S-NL
	30mm	***130365***	*LFT-SC-30M*	*@*	*LFT-SC-30M-NL*
207	1-1/4	**124650**	LFT-SC-104	**124670**	LFT-SC-104-NL
	1-5/16	**124651**	LFT-SC-105	**124671**	LFT-SC-105-NL
	1-3/8	**124652**	LFT-SC-106	**124672**	LFT-SC-106-NL
	1-7/16	**124653**	LFT-SC-107	**124673**	LFT-SC-107-NL
	35mm	***130366***	*LFT-SC-35M*	*@*	*LFT-SC-35M-NL*

* No lube fitting required in the SCLFT NoLube
@ Assembled to order.

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings

SC LFT DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kgs*	A	B	C	D	G	H	J	L	M	N*
203	1/2 5/8 *17mm*	0.60 0.55 *0.27*	1 *25.4*	3-3/16 *81.0*	1-3/64 *27.0*	2-1/2 *63.5*	9/32 *7.5*	3/8 *9.5*	21/64 *8.7*	31/32 *24.6*	2-1/8 *54.0*	1-15/64 *31.4*
204	3/4 *20mm*	0.80 *0.36*	1-5/32 *29.4*	3-9/16 *90.5*	1-7/32 *31.0*	2-13/16 *71.4*	11/32 *8.7*	27/64 *10.7*	3/8 *9.5*	1-1/8 *28.6*	2-3/8 *60.3*	1-11/32 *34.1*
205	7/8 15/16 1 *25mm*	0.95 0.90 0.85 *0.43*	1-3/16 *30.2*	3-3/4 *95.3*	1-1/4 *31.8*	3 *76.2*	11/32 *8.7*	27/64 *10.7*	3/8 *10.3*	1-21/64 *33.7*	2-5/8 *66.7*	1-7/16 *36.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	1.50 1.45 1.40 1.35 *0.67*	1-25/64 *35.3*	4-7/16 *112.7*	1-15/32 *37.3*	3-9/16 *90.5*	13/32 *10.3*	15/32 *11.9*	15/32 *13.5*	1-37/64 *40.1*	3-1/4 *82.6*	1-23/32 *43.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.85 1.80 1.75 1.70 *0.81*	1-17/32 *38.9*	4-13/16 *122.2*	1-19/32 *40.5*	3-15/16 *100.0*	13/32 *10.3*	1/2 *12.7*	17/32 *13.5*	1-27/32 *46.8*	3-1/2 *88.9*	1-53/64 *46.4*

* No lube fitting required in the SCLFT NoLube

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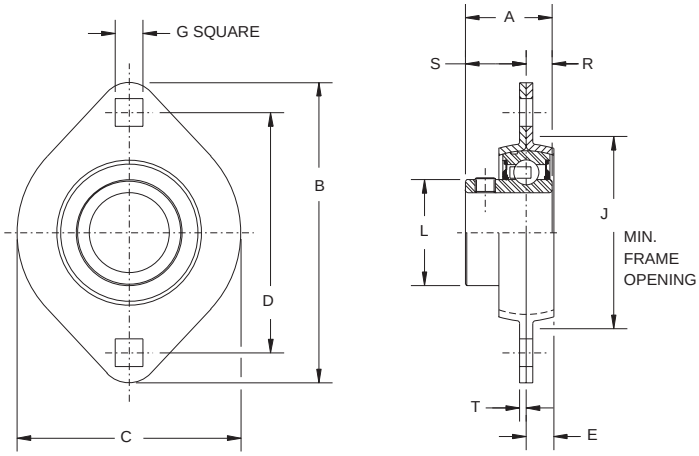
SELECTION/DIMENSIONS

Setscrew Ball Bearings
SL LIGHT DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
203	1/2	**128151**	F2B-SL-008
	5/8	**128154**	F2B-SL-010
	17mm	***068789***	*F2B-SL-17M*
204	3/4	**128092**	F2B-SL-012
	20mm	*@*	*F2B-SL-20M*
205	7/8	**128174**	F2B-SL-014
	15/16	**128175**	F2B-SL-015
	1	**128093**	F2B-SL-100
	25mm	*@*	*F2B-SL-25M*
206	1-1/8	**128176**	F2B-SL-102
	1-3/16	**128094**	F2B-SL-103
	1-1/4	**128097**	F2B-SL-104S
	30mm	*@*	*F2B-SL-30M*
207	1-1/4	**128095**	F2B-SL-104
	1-3/8	**128177**	F2B-SL-106
	1-7/16	**128096**	F2B-SL-107
	35mm	*@*	*F2B-SL-35M*

DODGE®

Setscrew Ball Bearings
SL LIGHT DUTY 2-BOLT FLANGE BEARINGS

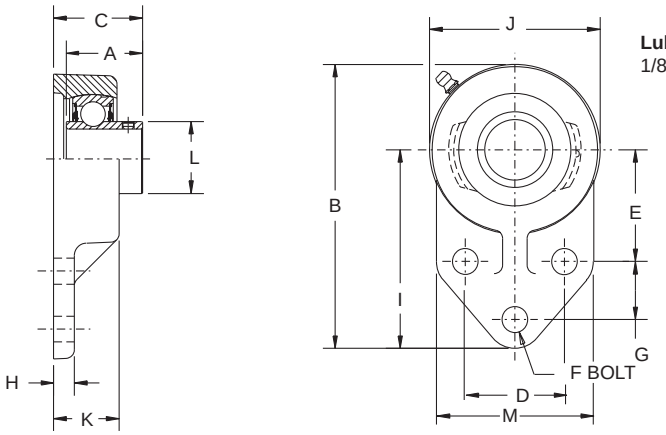
Series	Shaft Size	Weight lbs. *kg*	A	B	C	D	E	G*	J	L	R	S	T	Housing Radial Load Rating (lbs) N
203	1/2 5/8 *17mm*	0.45 0.42 *0.20*	15/16 *23.8*	3-3/16 *81.0*	2-5/16 *58.7*	2-1/2 *63.5*	9/32 *7.1*	9/32 *7.1*	1-15/16 *49.2*	31/32 *24.6*	19/64 *7.5*	41/64 *16.3*	0.075 *1.9*	600 *2,668*
204	3/4 *20mm*	0.55 *0.25*	1-1/16 *27.0*	3-9/16 *90.5*	2-5/8 *66.7*	2-13/16 *71.4*	5/16 *7.9*	11/32 *8.7*	2-3/16 *55.6*	1-1/8 *28.6*	21/64 *8.3*	47/64 *18.7*	0.083 *2.1*	700 *3,112*
205	7/8 15/16 1 *25mm*	0.81 0.77 0.65 *.34*	1-3/32 *27.8*	3-3/4 *95.3*	2-51/64 *71.0*	3 *76.2*	11/32 *8.7*	11/32 *8.7*	2-3/8 *60.3*	1-21/64 *33.7*	21/64 *8.3*	49/64 *19.4*	0.083 *2.1*	800 *3,557*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.05 1.02 1.00 *0.46*	1-19/64 *32.9*	4-7/16 *112.7*	3-5/16 *84.1*	3-9/16 *90.5*	11/32 *8.7*	13/32 *10.3*	2-13/16 *71.4*	1-37/64 *40.1*	25/64 *9.9*	29/32 *23.0*	0.104 *2.6*	1,100 *4,891*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.53 1.50 1.37 *0.67*	1-7/16 *36.5*	4-15/16 *125.4*	3-11/16 *93.7*	3-15/16 *100.0*	7/16 *11.1*	13/32 *10.3*	3-3/16 *81.0*	1-27/32 *46.8*	13/32 *10.3*	1-1/32 *26.2*	0.104 *2.6*	1,400 *6,225*

* Mounting bolt holes will accept either carriage or machine bolts

SELECTION/DIMENSIONS

Setscrew Ball Bearings

SC FB NORMAL DUTY 3-BOLT FLANGED BRACKET BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT

Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
204	1/2	**124435**	FB-SC-008	**068720**	FB-SC-008-NL	@	FB-SC-008-FF
	5/8	**124436**	FB-SC-010	**059816**	FB-SC-010-NL	@	FB-SC-010-FF
	3/4	**124437**	FB-SC-012	**058544**	FB-SC-012-NL	**049726**	FB-SC-012-FF
205	7/8	**124438**	FB-SC-014	**056765**	FB-SC-014-NL	@	FB-SC-014-FF
	15/16	**124439**	FB-SC-015	@	FB-SC-015-NL	@	FB-SC-015-FF
	1	**124440**	FB-SC-100	**051774**	FB-SC-100-NL	**067725**	FB-SC-100-FF
206	1-1/16	**124441**	FB-SC-101	@	FB-SC-101-NL	@	FB-SC-101-FF
	1-1/8	**124442**	FB-SC-102	@	FB-SC-102-NL	@	FB-SC-102-FF
	1-3/16	**124443**	FB-SC-103	**049615**	FB-SC-103-NL	@	FB-SC-103-FF
	1-1/4	**124444**	FB-SC-104S	**124450**	FB-SC-104S-NL	**054263**	FB-SC-104S-FF
207	1-1/4	**124445**	FB-SC-104	**058545**	FB-SC-104-NL	@	FB-SC-104-FF
	1-5/16	**124446**	FB-SC-105	@	FB-SC-105-NL	@	FB-SC-105-FF
	1-3/8	**124447**	FB-SC-106	@	FB-SC-106-NL	@	FB-SC-106-FF
	1-7/16	**124448**	FB-SC-107	**052016**	FB-SC-107-NL	**124449**	FB-SC-107-FF
210	1-11/16	**052906**	FB-SCM-111	**068840**	FB-SCM-111-NL	@	FB-SCM-111-FF
	1-15/16	**052094**	FB-SC-115	@	FB-SC-115-NL	@	FB-SC-115-FF
	2	**058529**	FB-SC-200	@	FB-SC-200-NL	@	FB-SC-200-FF

@ Assembled to order.

Setscrew Ball Bearings

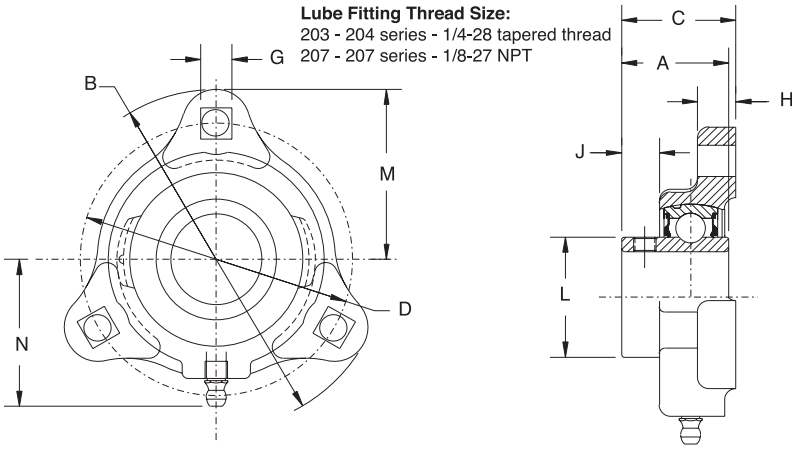
SC FB NORMAL DUTY 3-BOLT FLANGED BRACKET BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	D	E	F Bolt Dia.	G	H	I	J	K	L	M
204	1/2 5/8 3/4	1.51 1.48 1.45	1-5/32	4-1/4	1-11/32	1-1/2	1-11/16	3/8	7/8	5/16	3	2-1/2	63/64	1-1/8	2-3/8
205	7/8 15/16 1	1.81 1.78 1.75	1-3/16	4-3/4	1-1/2	1-5/8	1-13/16	3/8	1-1/8	3/8	3-3/8	2-3/4	1-7/64	1-21/64	2-1/2
206	1-1/16 1-1/8 1-3/16 1-1/4	2.12 2.08 2.05 2.02	1-25/64	5-3/8	1-5/8	1-7/8	2-1/16	3/8	1-1/4	3/8	3-3/4	3-1/4	1-1/8	1-37/64	2-3/4
207	1-1/4 1-5/16 1-3/8 1-7/16	3.46 3.41 3.36 3.30	1-17/32	6-1/8	1-7/8	2	2-3/8	1/2	1-1/4	1/2	4-1/4	3-3/4	1-5/16	1-27/32	3-1/4
210	1-11/16 1-15/16 2	5.70 5.50 5.40	1-3/4	7-1/2	2-1/32	2-3/4	2-15/16	1/2	1-5/8	1/2	5-3/16	4-5/8	1-1/2	2-7/16	4

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC LF NORMAL DUTY 3-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		Sealed for Life (No Lube)	
		Part No.	Description	Part No.	Description
203	1/2	**124600**	LF-SC-008	**124620**	LF-SC-008-NL
	5/8	**124601**	LF-SC-010	**124621**	LF-SC-010-NL
	17 mm	***050895***	*LF-SC-17M*	*@*	*LF-SC-17M-NL*
204	3/4	**124602**	LF-SC-012	**124622**	LF-SC-012-NL
	20 mm	***124934***	*LF-SC-20M*	***125384***	*LF-SC-20M-NL*
205	7/8	**124603**	LF-SC-014	**124623**	LF-SC-014-NL
	15/16	**124604**	LF-SC-015	**124624**	LF-SC-015-NL
	1	**124605**	LF-SC-100	**124625**	LF-SC-100-NL
	25 mm	*@*	*LF-SC-25M*	*@*	*LF-SC-25M-NL*
206	1-1/16	**124606**	LF-SC-101	**124626**	LF-SC-101-NL
	1-1/8	**124607**	LF-SC-102	**124627**	LF-SC-102-NL
	1-3/16	**124608**	LF-SC-103	**124628**	LF-SC-103-NL
	1-1/4	**124609**	LF-SC-104S	**124629**	LF-SC-104S-NL
	30 mm	***067892***	*LF-SC-30M*	*@*	*LF-SC-30M-NL*
207	1-1/4	**124610**	LF-SC-104	**124630**	LF-SC-104-NL
	1-5/16	**124611**	LF-SC-105	**124631**	LF-SC-105-NL
	1-3/8	**124612**	LF-SC-106	**124632**	LF-SC-106-NL
	1-7/16	**124613**	LF-SC-107	**124633**	LF-SC-107-NL
	35 mm	***065699***	*LF-SC-35M*	*@*	*LF-SC-35M-NL*

@ Assembled to order.

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings

SC LF NORMAL DUTY 3-BOLT FLANGE BEARINGS

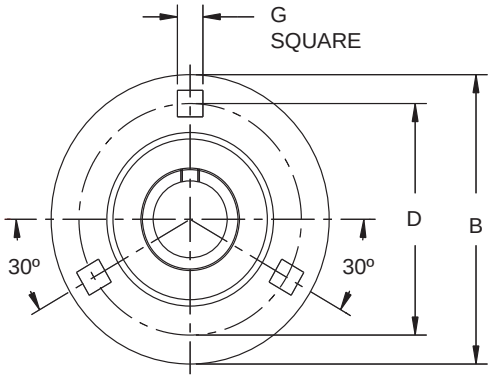
Series	Shaft Size	Weight lbs kg	A	B	C	D	G	H	J	L	M	N
203	1/2	0.65	1	3-3/16	1-3/64	2-1/2	9/32	3/8	21/64	31/32	1-19/32	1-27/32
	5/8	0.60										
	17 mm	*0.29*	*25.4*	*81.0*	*27.0*	*63.5*	*7.5*	*9.5*	*8.7*	*24.6*	*40.5*	*46.8*
204	3/4	0.85	1-5/32	3-9/16	1-7/32	2-13/16	23/64	27/64	3/8	1-1/8	1-25/32	1-37/64
	20 mm	*0.38*	*29.4*	*90.5*	*31.0*	*71.4*	*9.1*	*10.7*	*9.5*	*28.6*	*45.2*	*40.1*
205	7/8	1.10	1-3/16	3-3/4	1-1/4	3	11/32	27/64	3/8	1-21/64	1-7/8	1-45/64
	15/16	1.05										
	1	1.00										
	25 mm	*0.47*	*30.2*	*95.3*	*31.8*	*76.2*	*8.7*	*10.7*	*10.3*	*33.7*	*47.6*	*43.3*
206	1-1/16	1.65	1-25/64	4-7/16	1-15/32	3-9/16	13/32	15/32	15/32	1-37/64	2-7/32	2-1/64
	1-1/8	1.60										
	1-3/16	1.55										
	1 -/4	1.50										
	30 mm	*0.70*	*35.3*	*112.7*	*37.3*	*90.5*	*10.3*	*11.9*	*13.5*	*40.1*	*56.4*	*51.2*
207	1-1/4	2.10	1-17/32	4-13/16	1-19/32	3-15/16	13/32	1/2	17/32	1-27/32	2-13/32	2-9/64
	1-5/16	2.05										
	1-3/8	2.00										
	1-7/16	1.95										
	35 mm	*0.90*	*38.9*	*122.2*	*40.5*	*100.0*	*10.3*	*12.7*	*13.5*	*46.8*	*61.1*	*54.4*

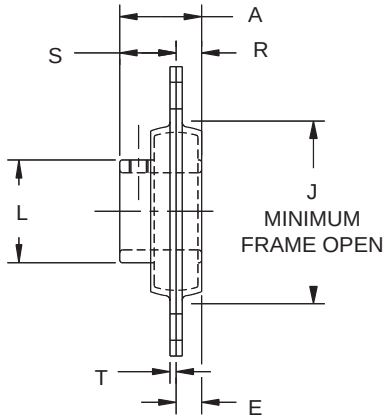
* No lube fitting required in the SC LFT No Lube

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SL LIGHT DUTY 3-BOLT FLANGE BEARINGS





Series	Shaft Size	Part No.	Description
204	3/4	**128083**	F3B-SL-012
	20mm	*@*	*F3B-SL-20M*
205	7/8	**128178**	F3B-SL-014
	15/16	**128179**	F3B-SL-015
	1	**128084**	F3B-SL-100
	25mm	*@*	*F3B-SL-25M*
206	1-1/8	**128180**	F3B-SL-102
	1-3/16	**128085**	F3B-SL-103
	1-1/4	**128082**	F3B-SL-104S
	30mm	*@*	*F3B-SL-30M*
207	1-1/4	**128086**	F3B-SL-104
	1-3/8	**128181**	F3B-SL-106
	1-7/16	**128087**	F3B-SL-107
	35mm	*@*	*F3B-SL-35M*

@ Assembled to order.

Setscrew Ball Bearings
SL LIGHT DUTY 3-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg*	A	B	D	E	G*	J	L	R	S	T	Housing Radial Load Rating (lbs.) N
204	3/4	0.74	1-1/16	3-9/16	2-13/16	5/16	11/32	2-3/16	1-1/8	21/64	47/64	0.083	700
	20mm	*0.33*	*27.0*	*90.5*	*71.4*	*7.9*	*8.7*	*55.6*	*90.5*	*71.4*	*7.9*	*2.1*	*3,112*
205	7/8	1.01	1-3/32	3-3/4	3	11/32	11/32	2-3/8	1-21/64	21/64	49/64	0.083	800
	15/16	0.97											
	1	0.85											
	25mm	*0.43*	*27.8*	*95.3*	*76.2*	*8.7*	*8.7*	*60.3*	*33.7*	*8.3*	*19.4*	*2.1*	*3,557*
206	1-1/8	1.39	1-19/64	4-7/16	3-9/16	11/32	13/32	2-13/16	1-37/64	25/64	29/32	0.104	1,100
	1-3/16	1.36											
	1-1/4	1.34											
	30mm	*0.61*	*32.9*	*112.7*	*90.5*	*8.7*	*10.3*	*71.4*	*40.1*	*9.9*	*23.0*	*2.6*	*4,891*
207	1-1/4	1.89	1-7/16	4-15/16	3-15/16	7/16	13/32	3-3/16	1-27/32	13/32	1-1/32	0.104	1,400
	1-3/8	1.86											
	1-7/16	1.73											
	35mm	*0.83*	*36.5*	*125.4*	*100.1*	*11.1*	*10.3*	*81.0*	*46.8*	*10.3*	*26.2*	*2.6*	*6,225*

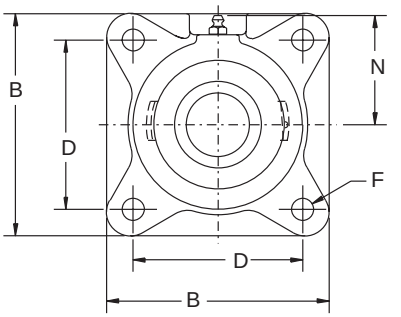
* Mounting bolt holes will accept either carriage or machine bolts.

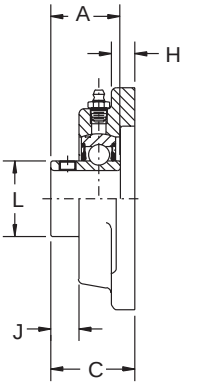
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT





Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**124048**	F4B-SC-008	@	F4B-SC-008-NL	@	F4B-SC-008-FF
	5/8	**124049**	F4B-SC-010	**067642**	F4B-SC-010-NL	@	F4B-SC-010-FF
	17mm	***125885***	*F4B-SC-17M*	@	*F4B-SC-17M-NL*	@	*F4B-SC-17M-FF*
204	1/2	**124098**	F4B-SC-008L	@	F4B-SC-008L-NL	@	F4B-SC-008L-FF
	5/8	**124099**	F4B-SC-010L	@	F4B-SC-010L-NL	**054528**	F4B-SC-010L-FF
	3/4	**124100**	F4B-SC-012	**052010**	F4B-SC-012-NL	**050917**	F4B-SC-012-FF
	13/16	**124567**	F4B-SC-013	@	F4B-SC-013-NL	@	F4B-SC-013-FF
	20mm	***125886***	*F4B-SC-20M*	@	*F4B-SC-20M-NL*	@	*F4B-SC-20M-FF*
205	7/8	**124101**	F4B-SC-014	@	F4B-SC-014-NL	@	F4B-SC-014-FF
	15/16	**124102**	F4B-SC-015	**126524**	F4B-SC-015-NL	@	F4B-SC-015-FF
	1	**124103**	F4B-SC-100	**126525**	F4B-SC-100-NL	**123007**	F4B-SC-100-FF
	25mm	***125887***	*F4B-SC-25M*	***064943***	*F4B-SC-25M-NL*	@	*F4B-SC-25M-FF*
206	1-1/16	**124218**	F4B-SC-101	@	F4B-SC-101-NL	@	F4B-SC-101-FF
	1-1/8	**124204**	F4B-SC-102	**126526**	F4B-SC-102-NL	**125156**	F4B-SC-102-FF
	1-3/16	**124205**	F4B-SC-103	**050834**	F4B-SC-103-NL	**125148**	F4B-SC-103-FF
	1-1/4	**123173**	F4B-SC-104S	**051987**	F4B-SC-104S-NL	@	F4B-SC-104S-FF
	30mm	***125888***	*F4B-SC-30M*	***067874***	*F4B-SC-30M-NL*	@	*F4B-SC-30M-FF*
207	1-1/4	**124206**	F4B-SC-104	**126528**	F4B-SC-104-NL	**052508**	F4B-SC-104-FF
	1-5/16	**124219**	F4B-SC-105	@	F4B-SC-105-NL	@	F4B-SC-105-FF
	1-3/8	**124207**	F4B-SC-106	**052009**	F4B-SC-106-NL	**056757**	F4B-SC-106-FF
	1-7/16	**124208**	F4B-SC-107	**050835**	F4B-SC-107-NL	**057696**	F4B-SC-107-FF
	35mm	***125889***	*F4B-SC-35M*	@	*F4B-SC-35M-NL*	@	*F4B-SC-35M-FF*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings
SC NORMAL DUTY 4-BOLT FLANGE BEARINGS

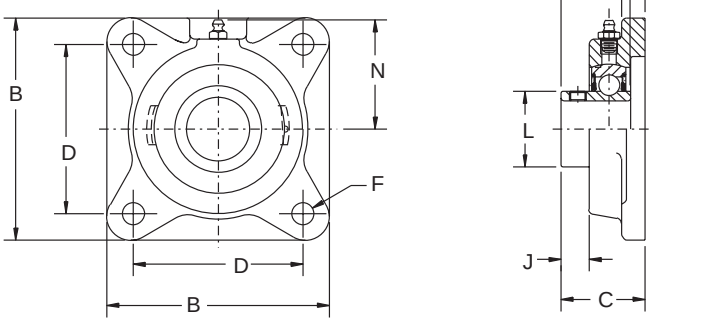
Series	Shaft Size	Weight lbs. kgs.	A	B	C	D	F Bolt Dia.	H	J	L	N
203	1/2 5/8 *17mm*	1.1 1.0 *0.5*	1 *25.4*	3 *76.2*	1-3/16 *30.2*	2-1/8 *54.0*	3/8 *M10*	7/16 *11.1*	11/32 *8.7*	31/32 *24.6*	1-11/16 *42.9*
204	1/2 5/8 3/4 13/16 *20mm*	1.8 1.7 1.6 1.5 *0.8*	1-5/32 *29.4*	3-3/8 *85.7*	1-3/8 *34.9*	2-1/2 *63.5*	3/8 *M10*	7/16 *11.1*	25/64 *9.9*	1-1/8 *28.6*	1-15/16 *49.2*
205	7/8 15/16 1 *25mm*	2.0 1.9 1.8 *0.9*	1-3/16 *30.2*	3-3/4 *95.3*	1-23/64 *34.5*	2-3/4 *69.9*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-1/16 *52.4*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.9 2.8 2.7 2.6 *1.3*	1-25/64 *35.3*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	2-3/16 *55.6*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.0 3.9 3.8 3.7 *1.7*	1-17/32 *38.9*	4-3/4 *120.7*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	2-7/16 *61.9*

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**124209**	F4B-SC-108	**051991**	F4B-SC-108-NL	**054523**	F4B-SC-108-FF
	1-5/8	**124210**	F4B-SC-110	**052008**	F4B-SC-110-NL	@	F4B-SC-110-FF
	40mm	***125890***	*F4B-SC-40M*	@	*F4B-SC-40M-NL*	@	*F4B-SC-40M-FF*
209	1-5/8	**125170**	F4B-SC-110L	@	F4B-SC-110L-NL	@	F4B-SC-110L-FF
	1-11/16	**124211**	F4B-SC-111	**064214**	F4B-SC-111-NL	**057850**	F4B-SC-111-FF
	1-3/4	**124212**	F4B-SC-112	**126531**	F4B-SC-112-NL	**054839**	F4B-SC-112-FF
	45mm	***125891***	*F4B-SC-45M*	@	*F4B-SC-45M-NL*	@	*F4B-SC-45M-FF*
210	1-15/16	**124213**	F4B-SC-115	**051992**	F4B-SC-115-NL	**124564**	F4B-SC-115-FF
	2	**124214**	F4B-SC-200	**050867**	F4B-SC-200-NL	**050169**	F4B-SC-200-FF
	50mm	***125892***	*F4B-SC-50M*	***068571***	*F4B-SC-50M-NL*	@	*F4B-SC-50M-FF*
211	2	**126192**	F4B-SCM-200	**052004**	F4B-SCM-200-NL	**126132**	F4B-SCM-200-FF
	2-3/16	**124215**	F4B-SC-203	**052007**	F4B-SC-203-NL	**124921**	F4B-SC-203-FF
	2-1/4	**124216**	F4B-SC-204	**052006**	F4B-SC-204-NL	@	F4B-SC-204-FF
	55mm	***125893***	*F4B-SC-55M*	***068572***	*F4B-SC-55M-NL*	@	*F4B-SC-55M-FF*
212	2-1/4	**126283**	F4B-SCM-204	**126537**	F4B-SCM-204-NL	**054482**	F4B-SCM-204-FF
	2-7/16	**124217**	F4B-SC-207	**050843**	F4B-SC-207-NL	**124728**	F4B-SC-207-FF
	60mm	***125894***	*F4B-SC-60M*	@	*F4B-SC-60M-NL*	@	*F4B-SC-60M-FF*
214	2-1/2	**126195**	F4B-SCM-208	@	F4B-SCM-208-NL	**126326**	F4B-SCM-208-FF
	2-11/16	**124261**	F4B-SC-211	@	F4B-SC-211-NL	**064453**	F4B-SC-211-FF
	70mm	***125895***	*F4B-SC-70M*	@	*F4B-SC-70M-NL*	@	*F4B-SC-70M-FF*
215	2-15/16	**124220**	F4B-SC-215	**052291**	F4B-SC-215-NL	**068606**	F4B-SC-215-FF
	75mm	***125896***	*F4B-SC-75M*	***068573***	*F4B-SC-75M-NL*	@	*F4B-SC-75M-FF*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings
SC NORMAL DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	F Bolt Dia.	H	J	L	N
208	1-1/2 1-5/8 *40mm*	4.8 4.7 *2.1*	1-11/16 *42.9*	5-1/8 *130.2*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	2-3/8 *60.3*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.1 6.0 5.9 *2.7*	1-23/32 *43.7*	5-3/8 *136.5*	1-15/16 *49.2*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	2-3/4 *69.9*
210	1-15/16 2 *50mm*	6.7 6.6 *3.0*	1-3/4 *44.5*	5-5/8 *142.9*	2 *50.8*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	2-7/8 *73.0*
211	2 2-3/16 2-1/4 *55mm*	9.3 9.0 8.9 *4.1*	1-27/32 *46.8*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	3-1/4 *82.6*
212	2-1/4 2-7/16 *60mm*	11.1 10.6 *6.0*	1-63/64 *50.4*	6-7/8 *174.6*	2-9/32 *57.9*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-31/32 *75.4*	3-1/2 *88.9*
214	2-1/2 2-11/16 *70mm*	16.0 15.4 *6.9*	2-15/64 *56.8*	7-3/8 *187.3*	2-3/4 *69.9*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	3-5/16 *84.1*	3-11/16 *93.7*
215	2-15/16 *75mm*	17.6 *8.0*	2-9/32 *57.9*	7-3/4 *196.9*	2-57/64 *73.4*	6 *152.4*	3/4 *M18*	1 *25.4*	41/64 *16.3*	3-5/8 *92.1*	3-7/8 *98.4*

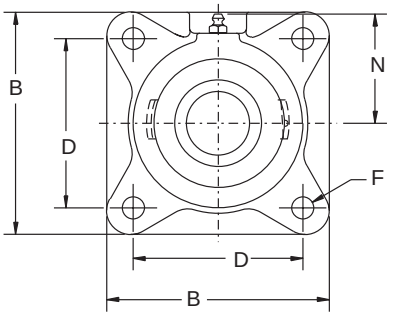
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

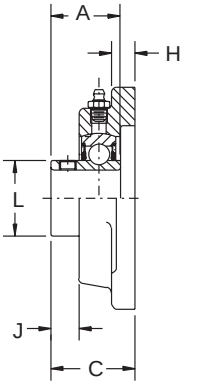
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT





Series	Shaft Size	Part No.	Description
204	1/2	**051931**	F4B-SCAH-008L
	5/8	**050130**	F4B-SCAH-010L
	3/4	**123740**	F4B-SCAH-012
	20mm	*@*	*F4B-SCAH-20M*
205	7/8	**068301**	F4B-SCAH-014
	15/16	**124246**	F4B-SCAH-015
	1	**123741**	F4B-SCAH-100
	25mm	***058736***	*F4B-SCAH-25M*
206	1-1/16	**@**	F4B-SCAH-101
	1-1/8	**064335**	F4B-SCAH-102
	1-3/16	**123742**	F4B-SCAH-103
	1-1/4	**@**	F4B-SCAH-104S
	30mm	***054726***	*F4B-SCAH-30M*
207	1-1/4	**123743**	F4B-SCAH-104
	1-5/16	**@**	F4B-SCAH-105
	1-3/8	**068785**	F4B-SCAH-106
	1-7/16	**123744**	F4B-SCAH-107
	35mm	***064911***	*F4B-SCAH-35M*
208	1-1/2	**123745**	F4B-SCAH-108
	1-5/8	**@**	F4B-SCAH-110
	40mm	***064912***	*F4B-SCAH-40M*

@ Assembled to order

DODGE®

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	N
204	1/2 5/8 3/4 *20mm*	1.8 1.7 1.6 *0.8*	1-5/32 *29.4*	3-3/8 *85.7*	1-3/8 *34.9*	2-1/2 *63.5*	3/8 *M10*	7/16 *11.1*	25/64 *9.9*	1-1/8 *28.6*	1-15/16 *49.2*
205	7/8 15/16 1 *25mm*	2.0 1.9 1.8 *0.9*	1-3/16 *30.2*	3-3/4 *95.3*	1-23/64 *34.5*	2-3/4 *69.9*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-1/6 *52.4*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.9 2.8 2.7 2.6 *1.3*	1-25/64 *35.3*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	2-3/16 *55.6*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.0 3.9 3.8 3.7 *1.7*	1-17/32 *38.9*	4-3/4 *120.7*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	2-7/16 *61.9*
208	1-1/2 1-5/8 *40mm*	4.8 4.7 *2.1*	1-11/16 *42.9*	5-1/8 *130.2*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	2-3/8 *60.3*

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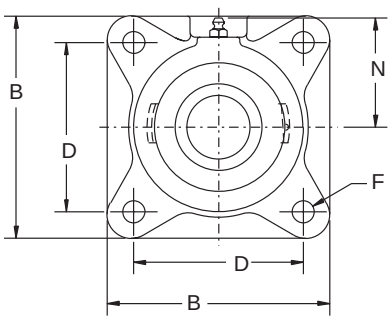
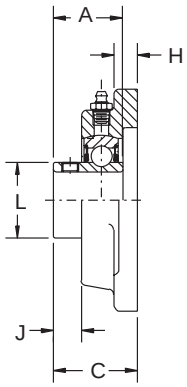
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT





Series	Shaft Size	Part No.	Description
209	1-5/8	@	F4B-SCAH-110L
	1-11/16	**123746**	F4B-SCAH-111
	1-3/4	**123747**	F4B-SCAH-112
	45mm	*@*	*F4B-SCAH-45M*
210	1-15/16	**123748**	F4B-SCAH-115
	2	**064853**	F4B-SCAH-200
	50mm	***064913***	*F4B-SCAH-50M*
211	2	@	F4B-SCMAH-200
	2-3/16	**123749**	F4B-SCAH-203
	2-1/4	@	F4B-SCAH-204
	55mm	*@*	*F4B-SCAH-55M*
212	2-1/4	@	F4B-SCMAH-204
	2-7/16	**123750**	F4B-SCAH-207
	60mm	*@*	*F4B-SCAH-60M*
214	2-1/2	**050662**	F4B-SCMAH-208
	2-11/16	**124395**	F4B-SCAH-211
	70mm	*@*	*F4B-SCAH-70M*
215	2-15/16	**123751**	F4B-SCAH-215
	75mm	*@*	*F4B-SCAH-75M*

@ Assembled to order

Setscrew Ball Bearings

SCAH NORMAL DUTY AIR HANDLING 4-BOLT FLANGE BEARINGS

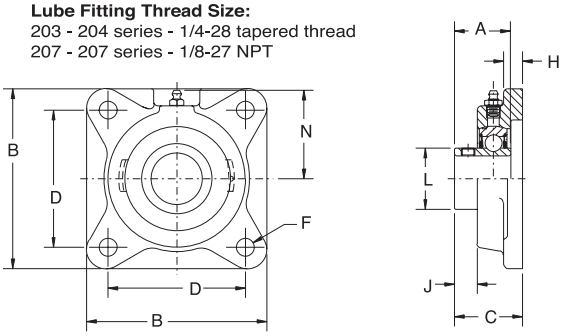
Series	Shaft Size	Weight lbs. *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	N
209	1-5/8 1-11/16 1-3/4 *45mm*	6.1 6.0 5.9 *2.7*	1-23/32 *43.7*	5-3/8 *136.5*	1-15/16 *49.2*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	2-3/4 *69.9*
210	1-15/16 2 *50mm*	6.7 6.6 *3.0*	1-3/4 *44.5*	5-5/8 *142.9*	2 *50.8*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	2-7/8 *73.0*
211	2 2-3/16 2-1/4 *55mm*	9.3 9.0 8.9 *4.1*	1-27/32 *46.8*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	3-1/4 *82.6*
212	2-1/4 2-7/16 *60mm*	11.1 10.6 *6.0*	1-63/64 *50.4*	6-7/8 *174.6*	2-9/32 *57.9*	5-5/8 *142.9*	5/8 *M16*	11/161 *7.5*	9/16 *14.3*	2-31/32 *75.4*	3-1/2 *88.9*
214	2-1/2 2-11/16 *70mm*	16.0 15.4 *6.9*	2-15/64 *56.8*	7-3/8 *187.3*	2-3/4 *69.9*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	3-5/16 *84.1*	3-11/16 *93.7*
215	2-15/16 *75mm*	17.6 *8.0*	2-9/32 *57.9*	7-3/4 *196.9*	2-57/64 *73.4*	6 *152.4*	3/4 *M18*	1 *25.4*	41/64 *16.3*	3-5/8 *92.1*	3-7/8 *98.4*

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCM MEDIUM DUTY 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 - 204 series - 1/4-28 tapered thread
207 - 207 series - 1/8-27 NPT



Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
206	1	**126226**	F4B-SCM-100	**052017**	F4B-SCM-100-NL	@	F4B-SCM-100-FF
	25mm	***125965***	*F4B-SCM-25M*	@	*F4B-SCM-25M-NL*	@	*F4B-SCM-25M-FF*
207	1-3/16	**126227**	F4B-SCM-103	@	F4B-SCM-103-NL	**064681**	F4B-SCM-103-FF
	1-1/4	**124206**	F4B-SC-104	**126528**	F4B-SC-104-NL	**052508**	F4B-SC-104-FF
	30mm	***125966***	*F4B-SCM-30M*	@	*F4B-SCM-30M-NL*	@	*F4B-SCM-30M-FF*
208	1-7/16	**126187**	F4B-SCM-107	@	F4B-SCM-107-NL	**053197**	F4B-SCM-107-FF
	35mm	***125967***	*F4B-SCM-35M*	@	*F4B-SCM-35M-NL*	@	*F4B-SCM-35M-FF*
209	1-1/2	**126188**	F4B-SCM-108	**062897**	F4B-SCM-108-NL	**054856**	F4B-SCM-108-FF
	1-5/8	**125170**	F4B-SC-110L	@	F4B-SC-110L-NL	@	F4B-SC-110L-FF
	40mm	***125968***	*F4B-SCM-40M*	@	*F4B-SCM-40M-NL*	@	*F4B-SCM-40M-FF*
210	1-11/16	**126189**	F4B-SCM-111	**065576**	F4B-SCM-111-NL	**050137**	F4B-SCM-111-FF
	1-3/4	**126190**	F4B-SCM-112	@	F4B-SCM-112-NL	**126274**	F4B-SCM-112-FF
	45mm	***125969***	*F4B-SCM-45M*	@	*F4B-SCM-45M-NL*	@	*F4B-SCM-45M-FF*
211	1-15/16	**126191**	F4B-SCM-115	**052302**	F4B-SCM-115-NL	**126115**	F4B-SCM-115-FF
	2	**126192**	F4B-SCM-200	**052004**	F4B-SCM-200-NL	**126132**	F4B-SCM-200-FF
	50mm	***125970***	*F4B-SCM-50M*	@	*F4B-SCM-50M-NL*	@	*F4B-SCM-50M-FF*
212	2-3/16	**126193**	F4B-SCM-203	**052003**	F4B-SCM-203-NL	**050276**	F4B-SCM-203-FF
	2-1/4	**126283**	F4B-SCM-204	**126537**	F4B-SCM-204-NL	**054482**	F4B-SCM-204-FF
	55mm	***125971***	*F4B-SCM-55M*	@	*F4B-SCM-55M-NL*	@	*F4B-SCM-55M-FF*
214	2-7/16	**126194**	F4B-SCM-207	**052002**	F4B-SCM-207-NL	**126116**	F4B-SCM-207-FF
	2-1/2	**126195**	F4B-SCM-208	**065653**	F4B-SCM-208-NL	**126326**	F4B-SCM-208-FF
	65mm	***125972***	*F4B-SCM-65M*	@	*F4B-SCM-65M-NL*	@	*F4B-SCM-65M-FF*
215	2-11/16	**126186**	F4B-SCM-211	@	F4B-SCM-211-NL	**064715**	F4B-SCM-211-FF
	70mm	***125973***	*F4B-SCM-70M*	@	*F4B-SCM-70M-NL*	@	*F4B-SCM-70M-FF*
216	2-15/16	**126196**	F4B-SCM-215	**126538**	F4B-SCM-215-NL	**051599**	F4B-SCM-215-FF
	3	**126197**	F4B-SCM-300	**126539**	F4B-SCM-300-NL	**126781**	F4B-SCM-300-FF
	75mm	***125974***	*F4B-SCM-75M*	@	*F4B-SCM-75M-NL*	@	*F4B-SCM-75M-FF*
218	3-7/16	**126198**	F4B-SCM-307	**126540**	F4B-SCM-307-NL	**126271**	F4B-SCM-307-FF
	3-1/2	**126199**	F4B-SCM-308	**126541**	F4B-SCM-308-NL	**056713**	F4B-SCM-308-FF
	85mm	***125975***	*F4B-SCM-85M*	@	*F4B-SCM-85M-NL*	@	*F4B-SCM-85M-FF*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings
SCM MEDIUM DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	F Bolt Dia.	H	J	L	N
206	1 *25mm*	3.0 *1.3*	1-25/64 *35.3*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	2-3/16 *55.6*
207	1-3/16 1-1/4 *30mm*	4.1 4.0 *1.4*	1-17/32 *38.9*	4-3/4 *120.7*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	2-7/16 *61.9*
208	1-7/16 *35mm*	5.0 *2.1*	1-11/16 *42.9*	5-1/8 *130.2*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	2-3/8 *60.3*
209	1-1/2 1-5/8 *40mm*	6.1 6.1 *2.7*	1-23/32 *43.7*	5-3/8 *136.5*	1-15/16 *49.2*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	2-3/4 *69.9*
210	1-11/16 1-3/4 *45mm*	7.1 6.9 *3.0*	1-3/4 *44.5*	5-5/8 *142.9*	2 *50.8*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	2-7/8 *73.0*
211	1-15/16 2 *50mm*	9.5 9.3 *4.1*	1-27/32 *46.8*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	3-1/4 *82.6*
212	2-3/16 2-1/4 *55mm*	11.3 11.1 *6.0*	1-63/64 *50.4*	6-7/8 *174.6*	2-9/32 *57.9*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-31/32 *75.4*	3-1/2 *88.9*
214	2-7/16 2-1/2 *65mm*	16.2 16.0 *7.3*	2-15/64 *56.8*	7-3/8 *187.3*	2-3/4 *69.9*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	3-5/16 *84.1*	3-11/16 *93.7*
215	2-11/16 *70mm*	18.3 *8.0*	2-9/32 *57.9*	7-3/4 *196.9*	2-57/64 *73.4*	6.0 *152.4*	3/4 *M18*	1 *25.4*	41/64 *16.3*	3-5/8 *92.1*	3-7/8 *98.4*
216	2-15/16 3 *75mm*	21.5 21.2 *9.4*	2-11/32 *59.5*	7-3/4 *196.9*	3-3/32 *78.6*	6 *152.4*	3/4 *M18*	7/8 *22.2*	19/32 *15.1*	3-53/64 *97.2*	4-3/32 *104.0*
218	3-7/16 3-1/2 *85mm*	28.0 27.4 *12.2*	2-31/64 *63.1*	8-7/16 *214.3*	3-11/32 *84.9*	6-3/4 *171.5*	3/4 *M18*	1 *25.4*	9/16 *14.3*	4-23/64 *110.7*	4-5/8 *117.5*

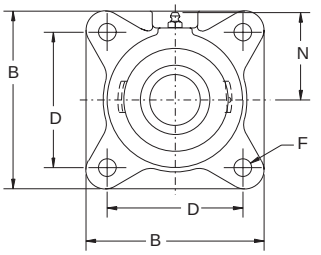
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

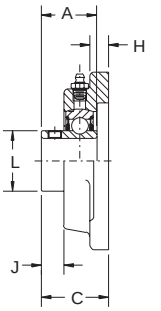
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCMAH AIR HANDLING MEDIUM DUTY 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT





Series	Shaft Size	Part No.	Description
206	1	**053901**	F4B-SCMAH-100
	25mm	*@*	*F4B-SCMAH-25M*
207	1-3/16	**050132**	F4B-SCMAH-103
	1-1/4	**123743**	F4B-SCAH-104
	30mm	*@*	*F4B-SCMAH-30M*
208	1-7/16	**123760**	F4B-SCMAH-107
	35mm	*@*	*F4B-SCMAH-35M*
209	1-1/2	**123761**	F4B-SCMAH-108
	1-5/8	@	F4B-SCAH-110L
	40mm	*@*	*F4B-SCMAH-40M*
210	1-11/16	**123762**	F4B-SCMAH-111
	1-3/4	**123763**	F4B-SCMAH-112
	45mm	***067829***	*F4B-SCMAH-45M*
211	1-15/16	**123764**	F4B-SCMAH-115
	2	@	F4B-SCMAH-200
	50mm	*@*	*F4B-SCMAH-50M*
212	2-3/16	**123765**	F4B-SCMAH-203
	2-1/4	**064586**	F4B-SCMAH-204
	55mm	*@*	*F4B-SCMAH-55M*
214	2-7/16	**123766**	F4B-SCMAH-207
	2-1/2	**050662**	F4B-SCMAH-208
	65mm	*@*	*F4B-SCMAH-65M*
215	2-11/16	**123767**	F4B-SCMAH-211
	70mm	*@*	*F4B-SCMAH-70M*
216	2-15/16	**123768**	F4B-SCMAH-215
	3	@	F4B-SCMAH-300
	75mm	*@*	*F4B-SCM-75M*
218	3-7/16	**123769**	F4B-SCMAH-307
	3-1/2	**057709**	F4B-SCMAH-308
	85mm	*@*	*F4B-SCMAH-85M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings

SCMAH AIR HANDLING MEDIUM DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kgs*	A	B	C	D	F Bolt Dia.	H	J	L	N
206	1 *25mm*	3.0 *1.3*	1-25/64 *35.3*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	2-3/16 *55.6*
207	1-3/16 1-1/4 *30mm*	4.1 *1.7*	1-17/32 *38.9*	4-3/4 *120.7*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	2-7/16 *61.9*
208	1-7/16 *35mm*	5.0 *2.1*	1-11/16 *42.9*	5-1/8 *130.2*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	2-3/8 *60.3*
209	1-1/2 1-5/8 *40mm*	6.1 *2.7*	1-23/32 *43.7*	5-3/8 *136.5*	1-15/16 *49.2*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	2-3/4 *69.9*
210	1-11/16 1-3/4 *45mm*	7.1 *3.0*	1-3/4 *44.5*	5-5/8 *142.9*	2 *50.8*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	2-7/8 *73.0*
211	1-15/16 2 *50mm*	9.5 *4.1*	1-27/32 *46.8*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	3-1/4 *82.6*
212	2-3/16 2-1/4 *55mm*	11.3 *6.0*	1-63/64 *50.4*	6-7/8 *174.6*	2-9/32 *57.9*	5-5/8 *142.9*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-31/32 *75.4*	3-1/2 *88.9*
214	2-7/16 2-1/2 *65mm*	16.2 *7.3*	2-15/64 *56.8*	7-3/8 *187.3*	2-3/4 *69.9*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	3-5/16 *84.1*	3-11/16 *93.7*
215	2-11/16 *70mm*	18.3 *8.0*	2-9/32 *57.9*	7-3/4 *196.9*	2-57/64 *73.4*	6 *152.4*	3/4 *M18*	1 *25.4*	41/64 *16.3*	3-5/8 *92.1*	3-7/8 *98.4*
216	2-15/16 3 *75mm*	21.5 *9.4*	2-11/32 *59.5*	7-3/4 *196.9*	3-3/32 *78.6*	6 *152.4*	3/4 *M18*	7/8 *22.2*	19/32 *15.1*	3-53/64 *97.2*	4-3/32 *104.0*
218	3-7/16 3-1/2 *85mm*	28.0 *12.2*	2-31/64 *63.1*	8-7/16 *214.3*	3-11/32 *84.9*	6-3/4 *171.5*	3/4 *M18*	1 *25.4*	9/16 *14.3*	4-23/64 *110.7*	4-5/8 *117.5*

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

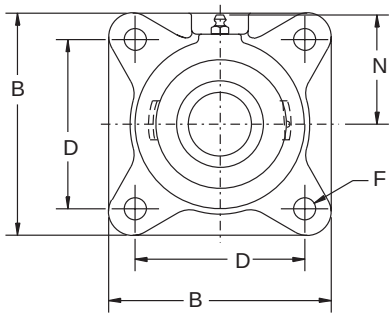
SELECTION/DIMENSIONS

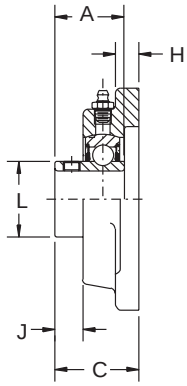
DODGE®

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY 4-BOLT FLANGE BEARINGS

Lube Fitting Thread Size:
203 series - 1/4-28 tapered thread
204 series and larger - 1/8-27 NPT





Series	Shaft Size	Standard		No-Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	**125524**	F4B-VSC-008	@	F4B-VSC-008-NL
	5/8	**125525**	F4B-VSC-010	@	F4B-VSC-010-NL
	17mm	***125694***	*F4B-VSC-17M*	@	*F4B-VSC-17MNL*
204	3/4	**123625**	F4B-VSC-012	@	F4B-VSC-012-NL
	20mm	***125695***	*F4B-VSC-20M*	@	*F4B-VSC-20M-NL*
205	7/8	**125526**	F4B-VSC-014	@	F4B-VSC-014-NL
	15/16	**125527**	F4B-VSC-015	@	F4B-VSC-015-NL
	1	**123626**	F4B-VSC-100	**062509**	F4B-VSC-100-NL
	25mm	***125696***	*F4B-VSC-25M*	@	*F4B-VSC-25M-NL*
206	1-1/8	**125528**	F4B-VSC-102	@	F4B-VSC-102-NL
	1-3/16	**123627**	F4B-VSC-103	@	F4B-VSC-103-NL
	1-1/4	**123634**	F4B-VSC-104S	@	F4B-VSC-104S-NL
	30mm	***125697***	*F4B-VSC-30M*	@	*F4B-VSC-30M-NL*
207	1-1/4	**123628**	F4B-VSC-104	**051891**	F4B-VSC-104-NL
	1-3/8	**125529**	F4B-VSC-106	@	F4B-VSC-106-NL
	1-7/16	**123629**	F4B-VSC-107	**050844**	F4B-VSC-107-NL
	35mm	***125698***	*F4B-VSC-40M*	@	*F4B-VSC-40M-NL*
208	1-1/2	**123630**	F4B-VSC-108	**051892**	F4B-VSC-108-NL
	40mm	***125699***	*F4B-VSC-40M*	@	*F4B-VSC-40M-NL*
209	1-11/16	**125530**	F4B-VSC-111	**050836**	F4B-VSC-111-NL
	1-3/4	**125531**	F4B-VSC-112	@	F4B-VSC-112-NL
	45mm	***125700***	*F4B-VSC-45M*	@	*F4B-VSC-45M-NL*
210	1-15/16	**123631**	F4B-VSC-115	@	F4B-VSC-115-NL
	2	**123632**	F4B-VSC-200	**068716**	F4B-VSC-200-NL
	50mm	***125701***	*F4B-VSC-50M*	@	*F4B-VSC-50M-NL*
211	2	**123652**	F4B-VSC-200L	@	F4B-VSC-200L-NL
	2-3/16	**123633**	F4B-VSC-203	**068809**	F4B-VSC-203-NL
	55mm	***125702***	*F4B-VSC-55M*	@	*F4B-VSC-55M-NL*

@Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY 4-BOLT FLANGE BEARINGS

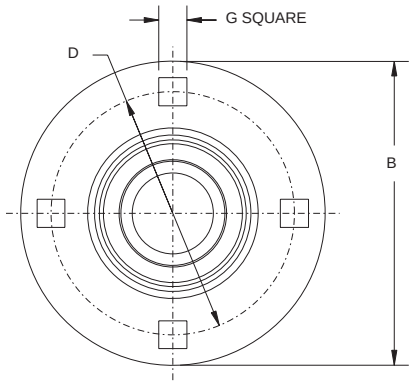
Series	Shaft Size	Weight lbs. *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
203	1/2 5/8 *17mm*	1.08 1.00 *0.48*	15/16 *23.8*	3 *76.2*	1-3/16 *30.2*	2-1/8 *54.0*	3/8 *M10*	7/16 *11.1*	11/32 *8.7*	31/32 *24.6*	1-11/16 *42.9*
204	3/4 *20mm*	1.50 *0.67*	1-1/16 *27.0*	3-3/8 *85.7*	1-3/8 *34.9*	2-1/2 *63.5*	3/8 *M10*	7/16 *11.1*	25/64 *9.9*	1-1/8 *28.6*	1-15/16 *49.2*
205	7/8 15/16 1 *25mm*	1.98 1.86 1.62 *0.84*	1-3/32 *27.8*	3-3/4 *95.3*	1-23/64 *34.5*	2-3/4 *69.9*	7/16 *M10*	1/2 *12.7*	25/64 *9.9*	1-21/64 *33.7*	2-1/16 *52.4*
206	1-1/8 1-3/16 1-1/4 *30mm*	2.78 2.68 2.50 *1.19*	1-19/64 *32.9*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	15/32 *11.9*	1-37/64 *40.1*	2-3/16 *55.6*
207	1-1/4 1-3/8 1-7/16 *35mm*	3.50 2.88 2.50 *1.28*	1-7/16 *36.5*	4-3/4 *120.7*	1-3/4 *44.5*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	1-27/32 *46.8*	2-7/16 *61.9*
208	1-1/2 *40mm*	4.50 *2.00*	1-9/16 *39.7*	5-1/8 *130.2*	1-7/8 *47.6*	4 *101.6*	1/2 *M12*	9/16 *14.3*	17/32 *13.5*	2-3/64 *52.0*	2-3/8 *60.3*
209	1-11/16 1-3/4 *45mm*	5.45 5.35 *2.42*	1-19/32 *40.5*	5-3/8 *136.5*	1-15/16 *49.2*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	17/32 *13.5*	2-7/32 *56.4*	2-3/4 *69.9*
210	1-15/16 2 *50mm*	6.25 6.00 *2.33*	1-5/8 *41.3*	5-5/8 *142.9*	2 *50.8*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	17/32 *13.5*	2-7/16 *61.9*	2-7/8 *73.0*
211	2 2-3/16 *55mm*	9.28 9.00 *4.12*	1-23/32 *43.7*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	9/16 *14.3*	2-23/32 *69.1*	3-1/4 *82.6*

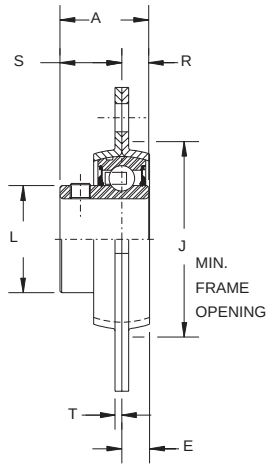
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings
SL LIGHT DUTY 4-BOLT FLANGE BEARINGS





Series	Shaft Size	Part No.	Description
208	1-1/2	**128088**	F4B-SL-108
	40mm	***067868***	*F4B-SL-40M*
210	1-15/16	**128089**	F4B-SL-115
	2	**128090**	F4B-SL-200
	50mm	*@*	*F4B-SL-50M*
211	2	**128182**	F4B-SL-200L
	2-3/16	**128091**	F4B-SL-203
	55mm	*@*	*F4B-SL-55M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings
SL LIGHT DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kg.*	A	B	D	E	G*	J	L	R	S	T	Load Rating (lbs)
208	1-1/2 *40mm*	2.64 *1.15*	1-9/16 *39.7*	5-13/16 *147.6*	4-11/16 *119.1*	13/32 *10.3*	17/32 *13.5*	3-9/16 *1.55*	2-3/64 *52.0*	15/32 *11.3*	13/32 *27.8*	0.134 *3.4*	1,700 *7,556*
210	1-15/16 2 *50mm*	2.95 2.86 *1.28*	1-5/8 *41.3*	6-1/8 *155.6*	5 *127.0*	7/16 *11.1*	17/32 *13.5*	4 *1.74*	2-7/16 *61.9*	15/32 *11.3*	1-5/32 *29.4*	0.149 *3.8*	1,900 *8,444*
211	2 2-3/16 *55mm*	3.73 3.63 *1.62*	1-23/32 *43.7*	6-9/16 *166.7*	5-7/16 *138.1*	15/32 *11.9*	17/32 *13.5*	4-7/16 *1.93*	2-23/32 *69.1*	1/2 *12.7*	1-7/32 *31.0*	0.149 *3.8*	2,300 *10,222*

* Mounting bolt holes will accept either carriage or machine bolts.

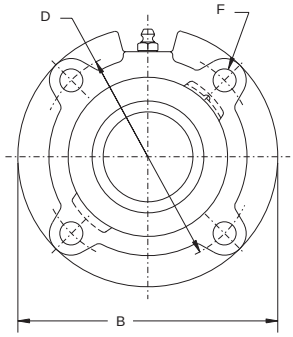
FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

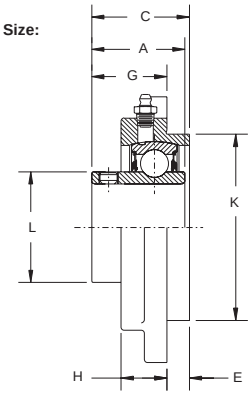
DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY PILOTED FLANGE BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
206	1-1/16	**124578**	FC-SC-101
	1-1/8	**124582**	FC-SC-102
	1-3/16	**124579**	FC-SC-103
	1-1/4	**124587**	FC-SC-104S
	30mm	***125865***	*FC-SC-30M*
207	1-1/4	**124224**	FC-SC-104
	1-5/16	**124237**	FC-SC-105
	1-3/8	**124235**	FC-SC-106
	1-7/16	**124236**	FC-SC-107
	35mm	***125866***	*FC-SC-35M*
208	1-1/2	**124225**	FC-SC-108
	1-5/8	**124226**	FC-SC-110
	40mm	***125867***	*FC-SC-40M*
209	1-5/8	**065644**	FC-SC-110L
	1-11/16	**124227**	FC-SC-111
	1-3/4	**124228**	FC-SC-112
	45mm	***125868***	*FC-SC-45M*
210	1-15/16	**124229**	FC-SC-115
	2	**124230**	FC-SC-200
	50mm	***125869***	*FC-SC-50M*
211	2	**126175**	FC-SCM-200
	2-3/16	**124231**	FC-SC-203
	2-1/4	**124232**	FC-SC-204
	55mm	***125870***	*FC-SC-55M*
212	2-1/4	**126177**	FC-SCM-204
	2-7/16	**124233**	FC-SC-207
	60mm	***125871***	*FC-SC-60M*
214	2-1/2	**126179**	FC-SCM-208
	2-11/16	**124729**	FC-SC-211
	70mm	***125872***	*FC-SC-70M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.2 3.1 3.0 2.9 *1.3*	1-25/64 *35.3*	4-3/8 *111.1*	1-1/2 *38.1*	3-5/8 *92.1*	1/4 *6.4*	3/8 *M10*	1-1/4 *31.8*	13/16 *20.6*	3 *76.2*	1-37/64 *40.1*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.2 4.1 4.0 3.9 *1.8*	1-17/32 *38.9*	5 *127.0*	1-49/64 *44.8*	4-1/8 *104.8*	3/8 *9.5*	3/8 *M10*	1-25/64 *35.3*	27/32 *21.4*	3-3/8 *85.7*	1-27/32 *46.8*
208	1-1/2 1-5/8 *40mm*	4.6 4.5 *2.0*	1-11/16 *42.9*	5-1/4 *133.4*	1-57/64 *48.0*	4-3/8 *111.1*	7/16 *11.1*	7/16 *M12*	1-29/64 *36.9*	57/64 *22.6*	3-5/8 *92.1*	2-3/64 *52.0*
209	1-5/8 1-11/16 1-3/4 *45mm*	5.6 5.5 5.4 *2.4*	1-23/32 *43.7*	5-3/4 *146.1*	1-57/64 *48.0*	4-3/4 *120.7*	7/16 *11.1*	1/2 *M12*	1-29/64 *36.9*	29/32 *23.0*	4 *101.6*	2-7/32 *56.4*
210	1-15/16 2 *50mm*	6.4 6.3 *2.9*	1-3/4 *44.5*	6-1/8 *155.6*	1-61/64 *49.6*	5-1/8 *130.2*	15/32 *11.9*	1/2 *M12*	1-31/64 *37.7*	59/64 *23.5*	4-1/4 *108.0*	2-7/16 *61.9*
211	2 2-3/16 2-1/4 *55mm*	7.3 7.2 7.1 *3.3*	1-27/32 *46.8*	6-3/8 *161.9*	2-7/32 *56.4*	5-3/8 *136.5*	5/8 *15.9*	1/2 *M12*	1-19/32 *40.5*	1 *25.4*	4-1/2 *114.3*	2-23/32 *69.1*
212	2-1/4 2-7/16 *60mm*	9.6 9.5 *4.3*	1-63/64 *50.4*	7-1/8 *181.0*	2-29/64 *62.3*	6 *152.40*	7/8 *22.2*	1/2 *M12*	1-37/64 *40.1*	1 *25.4*	5 *127.0*	2-31/32 *75.4*
214	2-1/2 2-11/16 *70mm*	13.0 12.9 *5.5*	2-15/64 *56.8*	7-5/8 *193.7*	2-49/64 *70.2*	6-1/2 *165.1*	1-1/8 *28.6*	1/2 *M12*	1-41/64 *41.7*	1-1/16 *27.0*	5-1/2 *139.7*	3-5/16 *84.1*

*+0.000, -0.002," * +0.00 -0.05mm

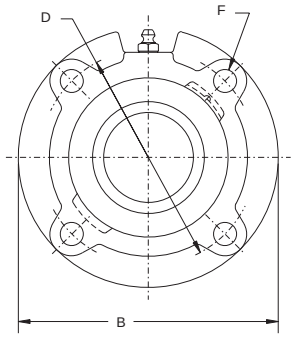
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

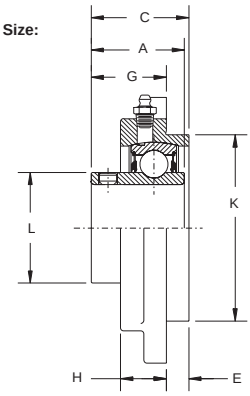
DODGE®

Setscrew Ball Bearings

SCM MEDIUM DUTY PILOTED FLANGE BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
206	1	**126167**	FC-SCM-100
	25mm	***125940***	*FC-SCM-25M*
207	1-3/16	**126168**	FC-SCM-103
	1-1/4	**124224**	FC-SC-104
	30mm	***125941***	*FC-SCM-30M*
208	1-7/16	**126170**	FC-SCM-107
	1-1/2	**126171**	FC-SCM-108
	35mm	***125942***	*FC-SCM-35M*
209	1-1/2	**056492**	FC-SCM-108L
	1-5/8	**065644**	FC-SC-110L
	40mm	***125943***	*FC-SCM-40M*
210	1-11/16	**126172**	FC-SCM-111
	1-3/4	**126173**	FC-SCM-112
	45mm	***125944***	*FC-SCM-45M*
211	1-15/16	**126174**	FC-SCM-115
	2	**126175**	FC-SCM-200
	50mm	***125945***	*FC-SCM-50M*
212	2-3/16	**126176**	FC-SCM-203
	2-1/4	**126177**	FC-SCM-204
	55mm	***125946***	*FC-SCM-55M*
214	2-7/16	**126178**	FC-SCM-207
	2-1/2	**126179**	FC-SCM-208
	65mm	***125947***	*FC-SCM-65M*
216	2-15/16	**126180**	FC-SCM-215
	3	**126182**	FC-SCM-300
	75mm	***125948***	*FC-SCM-75M*
218	3-7/16	**126183**	FC-SCM-307
	3-1/2	**126184**	FC-SCM-308
	85mm	***125949***	*FC-SCM-85M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

Setscrew Ball Bearings
SCM MEDIUM DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
206	1 *25mm*	3.3 *1.4*	1-25/64 *35.3*	4-3/8 *111.1*	1-1/2 *38.1*	3-5/8 *92.1*	1/4 *6.4*	3/8 *M10*	1-1/4 *31.8*	13/16 *20.6*	3 *76.2*	1-37/64 *40.1*
207	1-3/16 1-1/4 *30mm*	4.2 4.2 *1.9*	1-17/32 *38.9*	5 *127.0*	1-49/64 *44.8*	4-1/8 *104.8*	3/8 *9.5*	3/8 *M10*	1-25/64 *35.3*	27/32 *21.4*	3-3/8 *85.7*	1-27/32 *46.8*
208	1-7/16 1-1/2 *35mm*	4.8 4.6 *2.1*	1-11/16 *42.9*	5-1/4 *133.4*	1-57/64 *48.0*	4-3/8 *111.1*	7/16 *11.1*	7/16 *M12*	1-29/64 *36.9*	57/64 *22.6*	3-5/8 *92.1*	2-3/64 *52.0*
209	1-1/2 1-5/8 *40mm*	5.6 5.6 *2.5*	1-23/32 *43.7*	5-3/4 *146.1*	1-57/64 *48.0*	4-3/4 *120.7*	7/16 *11.1*	1/2 *M12*	1-29/64 *36.9*	29/32 *23.0*	4 *101.6*	2-7/32 *56.4*
210	1-11/16 1-3/4 *45mm*	6.4 6.3 *2.9*	1-3/4 *44.5*	6-1/8 *155.6*	1-61/64 *49.6*	5-1/8 *130.2*	15/32 *11.9*	1/2 *M12*	1-31/64 *37.7*	59/64 *23.4*	4-1/4 *108.0*	2-7/16 *61.9*
211	1-15/16 2 *50mm*	7.6 7.4 *3.4*	1-27/32 *46.8*	6-3/8 *161.9*	2-7/32 *56.4*	5-3/8 *136.5*	5/8 *15.9*	1/2 *M12*	1-19/32 *40.5*	1 *25.4*	4-1/2 *114.3*	2-23/32 *69.1*
212	2-3/16 2-1/4 *55mm*	9.5 9.8 *4.4*	1-63/64 *50.4*	7-1/8 *181.0*	2-29/64 *62.3*	6 *152.4*	7/8 *22.2*	1/2 *M12*	1-37/64 *40.1*	1 *25.4*	5 *127.0*	2-31/32 *75.4*
214	2-7/16 2-1/2 *65mm*	13.2 13.0 *5.9*	2-15/64 *56.8*	7-5/8 *193.7*	2-49/64 *70.2*	6-1/2 *165.1*	1-1/8 *28.6*	1/2 *M12*	1-41/64 *41.7*	1-1/16 *27.0*	5-1/2 *139.7*	3-5/16 *84.1*
216	2-15/16 3 *75mm*	18.8 18.6 *8.5*	2-11/64 *57.9*	8-3/4 *222.3*	3-1/32 *77.0*	7-1/2 *190.5*	1-1/4 *31.8*	5/8 *M16*	1-25/32 *45.2*	1-3/16 *30.2*	6-3/8 *161.9*	3-53/64 *92.1*
218	3-7/16 3-1/2 *85mm*	28.7 28.5 *13.5*	2-31/64 *63.1*	10-1/4 *260.4*	3-19/64 *83.7*	8-5/8 *219.1*	1-1/8 *34.9*	3/4 *M18*	2-11/64 *55.2*	1-5/8 *41.3*	7-3/8 *187.3*	4-23/64 *110.7*

* +.000-.002", +0.00 -0.05mm

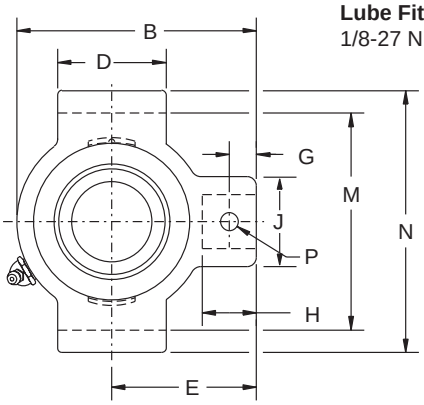
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

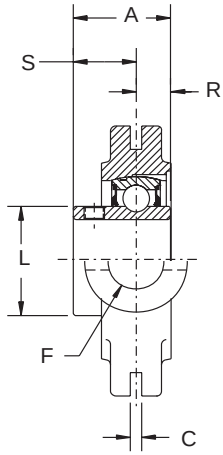
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SC NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size:
1/8-27 NPT





Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
204	1/2	**125328**	NSTU-SC-008	@	NSTU-SC-008-NL
	5/8	**125329**	NSTU-SC-010	@	NSTU-SC-010-NL
	3/4	**125050**	NSTU-SC-012	@	NSTU-SC-012-NL
	20mm	***125900***	*NSTU-SC-20M*	@	*NSTU-SC-20M-NL*
205	7/8	**125365**	NSTU-SC-014	@	NSTU-SC-014-NL
	15/16	**125051**	NSTU-SC-015	@	NSTU-SC-015-NL
	1	**125052**	NSTU-SC-100	**125054**	NSTU-SC-100-NL
	25mm	***125901***	*NSTU-SC-25M*	@	*NSTU-SC-25M-NL*
206	1-1/16	**125366**	NSTU-SC-101	@	NSTU-SC-101-NL
	1-1/8	**125367**	NSTU-SC-102	**065642**	NSTU-SC-102-NL
	1-3/16	**125153**	NSTU-SC-103	**052194**	NSTU-SC-103-NL
	1-1/4	**123174**	NSTU-SC-104S	@	NSTU-SC-104S-NL
	30mm	***125902***	*NSTU-SC-30M*	@	*NSTU-SC-30M-NL*
207	1-1/4	**125154**	NSTU-SC-104	**058897**	NSTU-SC-104-NL
	1-5/16	**125368**	NSTU-SC-105	**065681**	NSTU-SC-105-NL
	1-3/8	**125369**	NSTU-SC-106	**125378**	NSTU-SC-106-NL
	1-7/16	**125155**	NSTU-SC-107	**052199**	NSTU-SC-107-NL
	35mm	***125903***	*NSTU-SC-35M*	@	*NSTU-SC-35M-NL*

@ Assembled to order

See B15-9 for Take-Up Frames

DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	Take-Up Frame No. Ref.	A	B	C *	D	E	F Screw Dia	G	H	J	L	M #	N	P Pin Dia	R	S
204	1/2	1.6	NS210	1-5/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-1/8	2-5/8	3-1/8	5/16	27/64	47/64
	5/8	1.5																
	3/4	1.4																
	20mm	*0.8*		*29.4*	*88.9*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*28.6*	*66.7*	*79.4*	*7.9*	*10.7*	*18.7*
205	7/8	1.7	NS210	1-3/16	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-21/64	2-5/8	3-1/8	5/16	27/64	49/64
	15/16	1.6																
	1	1.5																
	25mm	*0.7*		*30.2*	*90.5*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*33.7*	*66.7*	*79.4*	*7.9*	*10.7*	*19.4*
206	1-1/16	2.9	NS308	1-25/64	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-37/64	3-1/2	4-1/8	5/16	31/64	29/32
	1-1/8	2.8																
	1-3/16	2.7																
	1-1/4	2.6																
	30mm	*1.2*		*35.3*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*40.1*	*88.9*	*104.8*	*7.9*	*12.3*	*23*
207	1-1/4	2.8	NS308	1-17/32	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-27/32	3-1/2	4-1/8	5/16	1/2	1-1/32
	1-5/16	2.7																
	1-3/8	2.6																
	1-7/16	2.5																
	35mm	*1.2*		*38.9*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*46.8*	*88.9*	*104.8*	*7.9*	*12.7*	*26.2*

*+ or -.015". + pr -.38mm

#+.010, -.020" +.25mm, -.50mm

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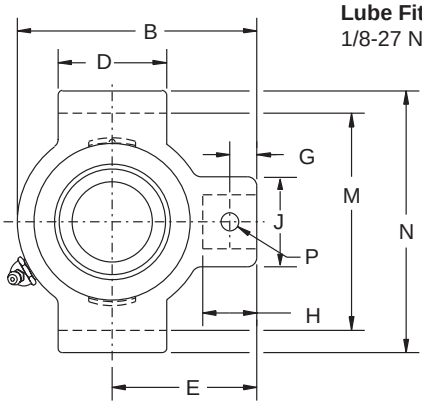
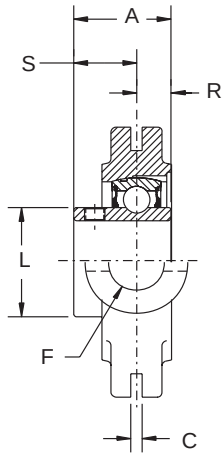
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SC NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Standard		Sealed For Life	
		Part No.	Description	Part No.	Description
208	1-1/2	**125156**	NSTU-SC-108	@	NSTU-SC-108-NL
	1-5/8	**125370**	NSTU-SC-110	@	NSTU-SC-110-NL
	40mm	***125904***	*NSTU-SC-40M*	@	*NSTU-SC-40M-NL*
209	1-5/8	**065593**	NSTU-SC-110L	@	NSTU-SC-110L-NL
	1-11/16	**125157**	NSTU-SC-111	**052939**	NSTU-SC-111-NL
	1-3/4	**125371**	NSTU-SC-112	**068184**	NSTU-SC-112-NL
	45mm	***125905***	*NSTU-SC-45M*	@	*NSTU-SC-45M-NL*
210	1-15/16	**125158**	NSTU-SC-115	**125159**	NSTU-SC-115-NL
	2	**125372**	NSTU-SC-200	**068659**	NSTU-SC-200-NL
	50mm	***125906***	*NSTU-SC-50M*	@	*NSTU-SC-50M-NL*
211	2	**135171**	NSTU-SCM-200	@	NSTU-SCM-200-NL
	2-3/16	**125160**	NSTU-SC-203	@	NSTU-SC-203-NL
	2-1/4	**125373**	NSTU-SC-204	@	NSTU-SC-204-NL
	55mm	***125907***	*NSTU-SC-55M*	@	*NSTU-SC-55M-NL*
212	2-1/4	**135172**	NSTU-SCM-204	@	NSTU-SCM-204-NL
	2-7/16	**125162**	NSTU-SC-207	@	NSTU-SC-207-NL
	60mm	***125908***	*NSTU-SC-60M*	@	*NSTU-SC-60M-NL*

@ Assembled to order

See B15-9 for Take-Up Frames

DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	Take-Up Frame No. Ref.	A	B	C *	D	E	F Screw Dia	G	H	J	L	M #	N	P Pin Dia	R	S
208	1-1/2	4.7	NS400	1-11/16	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/64	4	4-3/4	3/8	19/32	1-3/32
	1-5/8	4.6																
	40mm	*2.1*		*42.9*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*41.3*	*52.0*	*101.6*	*120.7*	*9.5*	*15.1*	*27.8*
209	1-5/8	4.9	NS400	1-23/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-7/32	4	4-3/4	3/8	19/32	1-1/8
	1-11/16	4.8																
	1-3/4	4.7																
	45mm	*2.1*		*43.7*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*56.4*	*101.6*	*120.7*	*9.5*	*15.1*	*28.6*
210	1-15/16	4.9	NS400	1-3/4	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1-5/8	2-7/16	4	4-3/4	3/8	19/32	1-5/32
	2	4.8																
	50mm	*2.2*		*44.5*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*15.1*	*27.8*	*41.3*	*61.9*	*101.6*	*120.7*	*9.5*	*15.1*	*29.4*
211	2	6.8	NS407	1-27/32	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	2-23/32	4-7/16	5-3/8	7/16	5/8	1-7/32
	2-3/16	6.6																
	2-1/4	6.5																
	55mm	*3.0*		*46.8*	*155.6*	*7.9*	*88.9*	*92.1*	*25.4*	*17.5*	*32.5*	*44.5*	*69.1*	*112.7*	*136.5*	*11.1*	*15.9*	*31.0*
212	2-1/4	8.7	NS415	1-63/64	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1-9/32	1-5/8	2-31/32	4-15/16	5-3/4	7/16	43/64	1-5/16
	2-7/16	8.4																
	60mm	*4.9*		*50.4*	*169.9*	*7.9*	*95.3*	*98.4*	*25.4*	*17.5*	*32.5*	*41.3*	*75.4*	*125.4*	*146.1*	*11.1*	*17.1*	*33.3*

*+/- .015" +/- .38mm

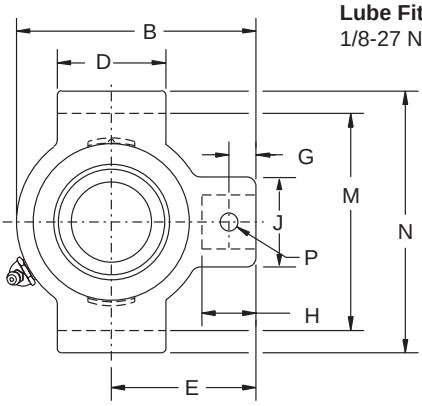
#+.010, -.020" +.25mm, -.50mm

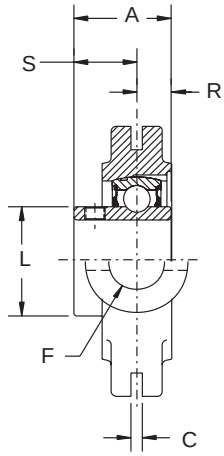
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SCM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size:
1/8-27 NPT





Series	Shaft Size	Part No.	Description
206	1	**135102**	NSTU-SCM-100
	25mm	***125980***	*NSTU-SCM-25M*
207	1-3/16	**135081**	NSTU-SCM-103
	1-1/4	**125154**	NSTU-SC-104
	30mm	***125981***	*NSTU-SCM-30M*
208	1-7/16	**135105**	NSTU-SCM-107
	35mm	***125982***	*NSTU-SCM-35M*
209	1-1/2	**135106**	NSTU-SCM-108
	1-5/8	**@**	NSTU-SC-110L
	40mm	***125983***	*NSTU-SCM-40M*
210	1-11/16	**135107**	NSTU-SCM-111
	1-3/4	**135170**	NSTU-SCM-112
	45mm	***125984***	*NSTU-SCM-45M*
211	1-15/16	**135109**	NSTU-SCM-115
	2	**135171**	NSTU-SCM-200
	50mm	***125985***	*NSTU-SCM-50M*
212	2-3/16	**135111**	NSTU-SCM-203
	2-1/4	**135172**	NSTU-SCM-204
	55mm	***125986***	*NSTU-SCM-55M*

@ Assembled to order

DODGE®

Setscrew Ball Bearings

SCM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. kgs.	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
206	1	3.0	NS308	1-25/64	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-37/64	3-1/2	4-1/8	5/16	31/64	29/32
	25mm	*1.2*		*35.3*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*40.1*	*88.9*	*104.8*	*7.9*	*12.3*	*23.0*
207	1-3/16 1-1/4	2.9 2.8	NS308	1-17/32	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-27/32	3-1/2	4-1/8	5/16	1/2	1-1/32
	30mm	*1.3*		*38.9*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*46.8*	*88.9*	*104.8*	*7.9*	*12.7*	*26.2*
208	1-7/16	4.7	NS400	1-11/16	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/64	4	4-3/4	3/8	19/32	1-3/32
	35mm	*2.2*		*42.9*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*41.3*	*52.0*	*101.60*	*120.7*	*9.5*	*15.1*	*27.8*
209	1-1/2 1-5/8	5.0 4.9	NS400	1-23/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-7/32	4	4-3/4	3/8	19/32	1-1/8
	40mm	*2.3*		*43.7*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*56.4*	*101.60*	*120.7*	*9.5*	*15.1*	*28.6*
210	1-11/16 1-3/4	5.3 5.2	NS400	1-3/4	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1-5/8	2-7/16	4	4-3/4	3/8	19/32	1-5/32
	45mm	*2.4*		*44.5*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*15.1*	*27.8*	*41.3*	*61.9*	*101.60*	*120.7*	*9.5*	*15.1*	*29.4*
211	1-15/16 2	7.0 6.8	NS407	1-27/32	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	2-23/32	4-7/16	5-3/8	7/16	5/8	1-7/32
	50mm	*3.2*		*46.8*	*155.6*	*7.9*	*88.9*	*92.1*	*25.4*	*17.5*	*32.5*	*44.5*	*69.1*	*112.7*	*136.5*	*11.1*	*15.9*	*31.0*
212	2-3/16 2-1/4	8.9 8.7	NS415	1-63/64	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1-9/32	1-5/8	2-31/32	4-15/16	5-3/4	7/16	43/64	1-5/16
	55mm	*4.0*		*50.4*	*169.9*	*7.9*	*95.3*	*98.4*	*25.4*	*17.5*	*32.5*	*41.3*	*75.4*	*125.4*	*146.1*	*11.1*	*17.1*	*33.3*

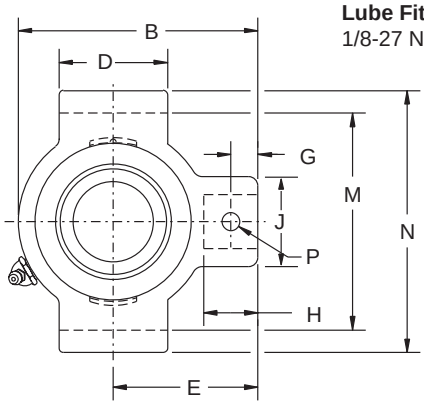
#+ or -.015", + or -.38mm"

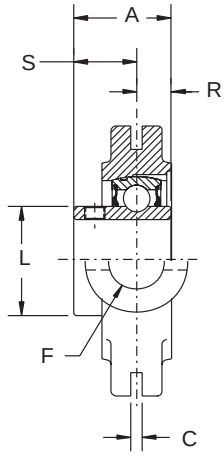
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC INTERMEDIATE DUTY NARROW SLOT TAKE-UP BEARINGS

Lube Fitting Thread Size:
1/8-27 NPT





Series	Shaft Size	Part No.	Description
204	3/4	**125533**	NSTU-VSC-012
	20mm	*@*	*NSTU-VSC-20M*
205	7/8	**125534**	NSTU-VSC-014
	15/16	**125535**	NSTU-VSC-015
	1	**125536**	NSTU-VSC-100
	25mm	*@*	*NSTU-VSC-25M*
206	1-1/8	**125537**	NSTU-VSC-102
	1-3/16	**125538**	NSTU-VSC-103
	1-1/4	**125540**	NSTU-VSC-104S
	30mm	*@*	*NSTU-VSC-30M*
207	1-1/4	**125539**	NSTU-VSC-104
	1-3/8	**125541**	NSTU-VSC-106
	1-7/16	**123680**	NSTU-VSC-107
	35mm	*@*	*NSTU-VSC-35M*
208	1-1/2	**125542**	NSTU-VSC-108
	40mm	*@*	*NSTU-VSC-40M*
209	1-11/16	**125543**	NSTU-VSC-111
	1-3/4	**125544**	NSTU-VSC-112
	45mm	*@*	*NSTU-VSC-45M*
210	1-15/16	**125545**	NSTU-VSC-115
	2	**125546**	NSTU-VSC-200
	50mm	*@*	*NSTU-VSC-50M*
211	2	**125547**	NSTU-VSC-200
	2-3/16	**125548**	NSTU-VSC-203
	55mm	*@*	*NSTU-VSC-55M*

@ Assembled to order

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY NARROW SLOT TAKE-UP BEARINGS

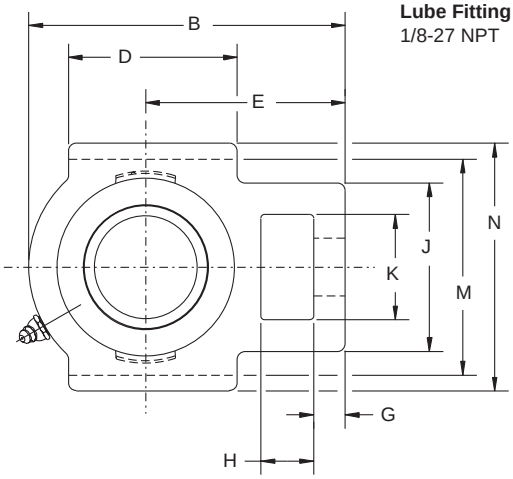
Series	Shaft Size	Weight lbs. kg.	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
204	3/4	1.25	NS210	1-1/16	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-1/8	2-5/8	3-1/8	5/16	21/64	47/64
	20mm	*0.58*		*27.0*	*88.9*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*28.6*	*66.7*	*79.4*	*7.9*	*8.3*	*18.7*
205	7/8	1.68	NS210	1-3/32	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-21/64	2-5/8	3-1/8	5/16	21/64	49/64
	15/16	1.58																
	1	1.48																
	25mm	*0.73*		*27.8*	*90.5*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*33.7*	*66.7*	*79.4*	*7.9*	*8.3*	*19.4*
206	1-1/8	2.78	NS308	1-19/64	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-37/64	3-1/2	4-1/8	5/16	25/64	29/32
	1-3/16	2.58																
	1-1/4	2.48																
	30mm	*1.19*		*32.9*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*40.1*	*88.9*	*104.8*	*7.9*	*9.9*	*23.0*
207	1-1/4	2.78	NS308	1-7/16	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-27/32	3-1/2	4-1/8	5/16	13/32	1-1/32
	1-3/8	2.58																
	1-7/16	2.48																
	35mm	*1.19*		*36.5*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*46.8*	*88.9*	*104.8*	*7.9*	*10.3*	*26.2*
208	1-1/2	4.68	NS400	1-9/16	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/64	4	4-3/4	3/8	15/32	1-3/32
	40mm	*2.16*		*39.7*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*41.3*	*52.0*	*101.6*	*120.7*	*9.5*	*11.9*	*27.8*
209	1-11/16	4.78	NS400	1-19/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-7/32	4	4-3/4	3/8	15/32	1-1/8
	1-3/4	4.68																
	45mm	*2.20*		*40.5*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*56.4*	*101.6*	*120.7*	*9.5*	*11.9*	*28.6*
210	1-15/16	4.88	NS400	1-5/8	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1-5/8	2-7/16	4	4-3/4	3/8	15/32	1-5/32
	2	4.78																
	50mm	*2.25*		*41.3*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*115.1*	*27.8*	*41.3*	*61.9*	*101.6*	*120.7*	*9.5*	*11.9*	*29.4*
211	2	6.78	NS407	1-23/32	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	2-23/32	4-7/16	5-3/8	7/16	1/2	1-7/32
	2-3/16	6.58																
	55mm	3.13		43.7	155.6	7.9	88.9	92.1	25.4	17.5	32.5	44.5	69.1	112.7	136.5	11.1	12.7	31.0

* + or -.015, + or -.38mm #+.010, -.020" +.25mm, -.50mm

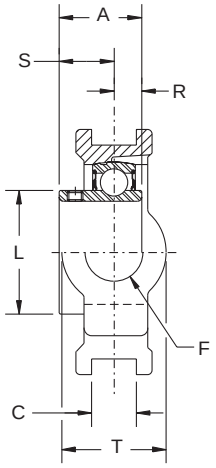
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
204	1/2	**125343**	WSTU-SC-008	@	WSTU-SC-008-NL
	5/8	**125344**	WSTU-SC-010	@	WSTU-SC-010-NL
	3/4	**125010**	WSTU-SC-012	@	WSTU-SC-012-NL
	20mm	***125910***	*WSTU-SC-20M*	@	*WSTU-SC-20M-NL*
205	7/8	**125356**	WSTU-SC-014	@	WSTU-SC-014-NL
	15/16	**125011**	WSTU-SC-015	@	WSTU-SC-015-NL
	1	**125012**	WSTU-SC-100	@	WSTU-SC-100-NL
	25mm	***125911***	*WSTU-SC-25M*	@	*WSTU-SC-25M-NL*
206	1-1/16	**125357**	WSTU-SC-101	@	WSTU-SC-101-NL
	1-1/8	**125358**	WSTU-SC-102	@	WSTU-SC-102-NL
	1-3/16	**125113**	WSTU-SC-103	@	WSTU-SC-103-NL
	1-1/4	**123175**	WSTU-SC-104S	@	WSTU-SC-104S-NL
	30mm	***125912***	*WSTU-SC-30M*	@	*WSTU-SC-30M-NL*
207	1-1/4	**125360**	WSTU-SC-104	@	WSTU-SC-104-NL
	1-5/16	**125359**	WSTU-SC-105	@	WSTU-SC-105-NL
	1-3/8	**125361**	WSTU-SC-106	@	WSTU-SC-106-NL
	1-7/16	**125114**	WSTU-SC-107	**050846**	WSTU-SC-107-NL
	35mm	***125913***	*WSTU-SC-35M*	@	*WSTU-SC-35M-NL*
208	1-1/2	**125120**	WSTU-SC-108	**049829**	WSTU-SC-108-NL
	1-5/8	**125355**	WSTU-SC-110	@	WSTU-SC-110-NL
	40mm	***125914***	*WSTU-SC-40M*	@	*WSTU-SC-40M-NL*

@ Assembled to order

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DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G
204	1/2 5/8 3/4 *20mm*	2.1 2.0 1.9 *0.9*	WS300	1-5/32 *29.4*	3-11/16 *93.7*	17/32 *13.5*	2 *50.8*	2-3/8 *60.3*	5/8 *15.9*	3/8 *9.5*
205	7/8 15/16 1 *25mm*	2.2 2.1 2.0 *1.0*	WS300	1-3/16 *30.2*	3-13/16 *96.8*	17/32 *13.5*	2 *50.8*	2-7/16 *61.9*	5/8 *15.9*	3/8 *9.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.1 3.0 2.9 2.8 *1.3*	WS308	1-25/64 *35.3*	4-3/8 *111.1*	17/32 *13.5*	2-1/4 *57.2*	2-3/4 *69.9*	3/4 *19.1*	3/8 *9.5*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	3.8 3.7 3.6 3.5 *1.6*	WS308	1-17/32 *38.9*	4-7/8 *123.8*	17/32 *13.5*	2-1/2 *63.5*	3-1/16 *77.8*	3/4 *19.1*	1/2 *12.7*
208	1-1/2 1-5/8 *40mm*	6.1 6.0 *2.8*	WS400	1-11/16 *42.9*	5-11/16 *144.5*	11/16 *17.5*	3-1/4 *82.6*	3-1/2 *88.9*	1 *25.4*	5/8 *15.9*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
204	1/2 5/8 3/4 *20mm*	5/8 *15.9*	2 *50.8*	1-1/4 *31.8*	1-1/8 *28.6*	3 *76.2*	3-5/8 *92.1*	27/64 *10.7*	47/64 *18.7*	1-3/8 *34.9*
205	7/8 15/16 1 *25mm*	5/8 *15.9*	2 *50.8*	1-5/16 *33.3*	1-21/64 *33.7*	3 *76.2*	3-5/8 *92.1*	27/64 *10.7*	49/64 *19.4*	1-3/8 *34.9*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	5/8 *15.9*	2-3/16 *55.6*	1-7/16 *36.5*	1-37/64 *40.1*	3-1/2 *88.9*	4-1/8 *104.8*	31/64 *12.3*	29/32 *23.0*	1-5/8 *41.3*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	5/8 *15.9*	2-1/2 *63.5*	1-7/16 *36.5*	1-27/32 *46.8*	3-1/2 *88.9*	4-1/8 *104.8*	1/2 *12.7*	1-1/32 *26.2*	1-5/8 *41.3*
208	1-1/2 1-5/8 *40mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-3/64 *52.0*	4 *101.6*	4-1/2 *114.3*	19/32 *15.1*	1-3/32 *27.8*	1-15/16 *49.2*

*+ or -.015", + or -.38mm

+.010, -.020" +.25mm, -.50mm

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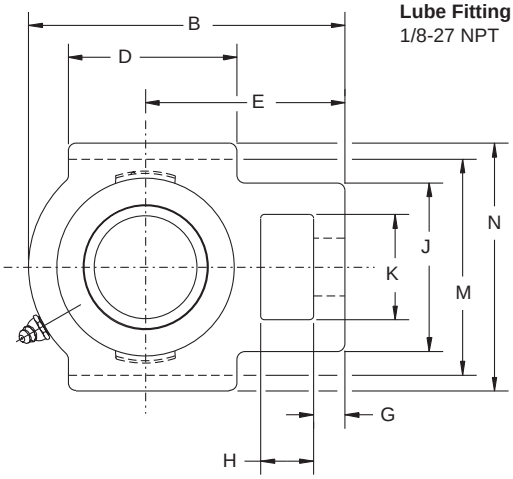
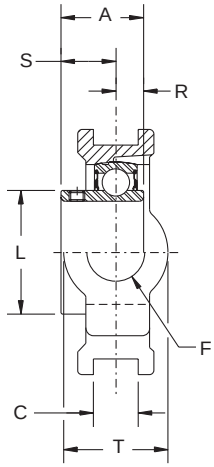
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SC NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
209	1-5/8	**125151**	WSTU-SC-110L	@	WSTU-SC-110L-NL
	1-11/16	**125115**	WSTU-SC-111	@	WSTU-SC-111-NL
	1-3/4	**125362**	WSTU-SC-112	@	WSTU-SC-112-NL
	1-13/16	**125121**	WSTU-SC-113	@	WSTU-SC-113-NL
	45mm	***125915***	*WSTU-SC-45M*	@	*WSTU-SC-45M-NL*
210	1-15/16	**125116**	WSTU-SC-115	**125071**	WSTU-SC-115-NL
	2	**125363**	WSTU-SC-200	**062691**	WSTU-SC-200-NL
	50mm	***125916***	*WSTU-SC-50M*	***068374***	*WSTU-SC-50M-NL*
211	2	**135183**	WSTU-SCM-200	**058705**	WSTU-SCM-200-NL
	2-3/16	**125117**	WSTU-SC-203	@	WSTU-SC-203-NL
	2-1/4	**125364**	WSTU-SC-204	@	WSTU-SC-204-NL
	55mm	***125917***	*WSTU-SC-55M*	@	*WSTU-SC-55M-NL*
212	2-1/4	**135184**	WSTU-SCM-204	@	WSTU-SCM-204-NL
	2-7/16	**125118**	WSTU-SC-207	@	WSTU-SC-207-NL
	60mm	***125918***	*WSTU-SC-60M*	@	*WSTU-SC-60M-NL*
214	2-1/2	**135185**	WSTU-SCM-208	@	WSTU-SCM-208-NL
	2-11/16	**064704**	WSTU-SC-211	@	WSTU-SC-211-NL
	70mm	***062975***	*WSTU-SC-70M*	@	*WSTU-SC-70M-NL*
215	2-15/16	**125119**	WSTU-SC-215	@	WSTU-SC-215-NL
	75mm	***125919***	*WSTU-SC-75M*	@	*WSTU-SC-75M-NL*

@ Assembled to order

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DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G
209	1-5/8 1-11/16 1-3/4 1-13/16 *45mm*	6.1 6.0 5.9 5.8 *2.7*	WS400	1-23/32 *43.7*	5-5/8 *142.9*	11/16 *17.5*	3-1/4 *82.6*	3-7/16 *87.3*	1 *25.4*	5/8 *15.9*
210	1-15/16 2 *50mm*	6.4 6.2 *2.9*	WS400	1-3/4 *44.5*	5-13/16 *147.6*	11/16 *17.5*	3-3/8 *85.7*	3-9/16 *90.5*	1 *25.4*	5/8 *15.9*
211	2 2-3/16 2-1/4 *55mm*	10.1 10.0 9.8 *4.5*	WS502	1-27/32 *46.8*	6-11/16 *169.9*	1-1/16 *27.0*	3-3/4 *95.3*	4-3/16 *106.4*	1-1/4 *31.8*	3/4 *19.1*
212	2-1/4 2-7/16 *60mm*	11.2 10.8 *4.9*	WS502	1-63/64 *50.4*	7-1/2 *190.5*	1-1/16 *27.0*	4 *101.6*	4-11/16 *119.1*	1-1/4 *31.8*	3/4 *19.1*
214	2-1/2 2-11/16 *70mm*	18.0 17.8 *8.0*	WS515	2-15/64 *56.8*	8 -9/16 *217.5*	1-1/16 *27.0*	4-3/4 *120.7*	5 -3/8 *136.5*	1-1/2 *38.1*	13/16 *20.6*
215	2-15/16 *75mm*	18.9 *8.6*	WS515	2-9/32 *57.9*	9-1/8 *231.8*	1-1/16 *27.0*	4-3/4 *120.7*	5-1/2 *139.7*	1-1/2 *38.1*	13/16 *20.6*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
209	1-5/8 1-11/16 1-3/4 1-13/16 *45mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/32 *56.4*	4 *101.6*	4-3/4 *120.7*	19/32 *15.1*	1-1/8 *28.6*	1-15/16 *49.2*
210	1-15/16 2 *50mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/16 *61.9*	4 *101.6*	4-3/4 *120.7*	19/32 *15.1*	1-5/32 *29.4*	1-15/16 *49.2*
211	2 2-3/16 2-1/4 *55mm*	1 *25.4*	4 *101.6*	2-1/2 *63.5*	2-23/32 *69.1*	5-1/8 *130.2*	5-7/8 *149.2*	5/8 *15.9*	1-7/32 *31.0*	2-1/2 *63.5*
212	2-1/4 2-7/16 *60mm*	1-1/4 *31.8*	4 *101.6*	2-1/2 *63.5*	2-31/32 *75.4*	5-1/8 *130.2*	5-7/8 *149.2*	43/64 *17.1*	1-5/16 *33.3*	2-1/2 *63.5*
214	2-1/2 2-11/16 *70mm*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	3-5/16 *84.1*	5-15/16 *150.8*	6-9/16 *166.7*	51/64 *20.2*	1-7/16 *36.5*	2-3/4 *69.9*
215	2-15/16 *75mm*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	3-5/8 *92.1*	5-15/16 *150.8*	6-11/16 *169.9*	13/16 *20.6*	1-15/32 *37.3*	2-3/4 *69.9*

*+ or -.015", + or -.38mm

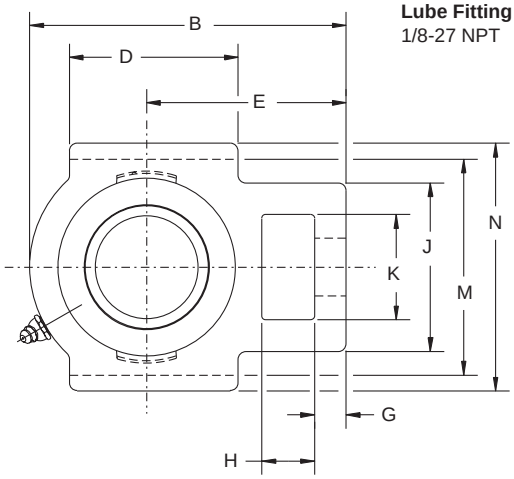
+.010, -.020" +.25mm, -.50mm

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

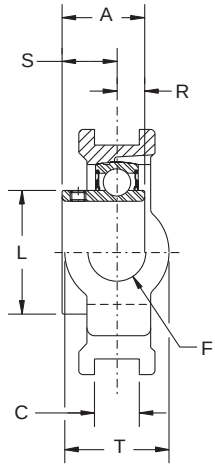
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
206	1	**135117**	WSTU-SCM-100
	25mm	***125989***	*WSTU-SCM-25M*
207	1-3/16	**135118**	WSTU-SCM-103
	1-1/4	**125360**	WSTU-SC-104
	30mm	***125990***	*WSTU-SCM-30M*
208	1-7/16	**135116**	WSTU-SCM-107
	35mm	***125991***	*WSTU-SCM-35M*
209	1-1/2	**135120**	WSTU-SCM-108
	40mm	***125992***	*WSTU-SCM-40M*
210	1-11/16	**135121**	WSTU-SCM-111
	1-3/4	**135182**	WSTU-SCM-112
	45mm	***125993***	*WSTU-SCM-45M*

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DODGE®

Setscrew Ball Bearings

SCM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G
206	1 *25mm*	2.9 *1.4*	WS308	1-25/64 *35.3*	4-3/8 *111.1*	17/32 *13.5*	2-1/4 *57.2*	2-3/4 *69.9*	3/4 *19.1*	3/8 *9.5*
207	1-3/16 1-1/4 *30mm*	3.9 3.8 *1.7*	WS308	1-17/32 *38.9*	4-7/8 *123.8*	17/32 *13.5*	2-1/2 *63.5*	3-1/16 *77.8*	3/4 *19.1*	1/2 *12.7*
208	1-7/16 *35mm*	6.1 *2.9*	WS400	1-11/16 *42.9*	5-11/16 *144.5*	11/16 *17.5*	3-1/4 *82.6*	3-1/2 *88.9*	1 *25.40*	5/8 *15.9*
209	1-1/2 *40mm*	6.0 *2.8*	WS400	1-23/32 *43.7*	5-5/8 *142.9*	11/16 *17.5*	3-1/4 *82.6*	3-7/16 *87.3*	1 *25.40*	5/8 *15.9*
210	1-11/16 1-3/4 *45mm*	6.5 6.4 *3.0*	WS400	1-3/4 *44.5*	5-13/16 *147.6*	11/16 *17.5*	3-3/8 *85.7*	3-9/16 *90.5*	1 *25.40*	5/8 *15.9*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
206	1 *25mm*	5/8 *15.9*	2-3/16 *55.6*	1-7/16 *36.5*	1-37/64 *40.1*	3-1/2 *88.9*	4-1/8 *104.8*	31/64 *12.3*	29/32 *23.0*	1-5/8 *41.3*
207	1-3/16 1-1/4 *30mm*	5/8 *15.9*	2-1/2 *63.5*	1-7/16 *36.5*	1-27/32 *46.8*	3-1/2 *88.9*	4-1/8 *104.8*	1/2 *12.7*	1-1/32 *26.2*	1-5/8 *41.3*
208	1-7/16 *35mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-3/64 *52.0*	4 *101.6*	4-1/2 *114.3*	19/32 *15.1*	1-3/32 *27.8*	1-15/16 *49.2*
209	1-1/2 *40mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/32 *56.4*	4 *101.6*	4-3/4 *120.7*	19/32 *15.1*	1-1/8 *28.6*	1-15/16 *49.2*
210	1-11/16 1-3/4 *45mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/16 *61.9*	4 *101.6*	4-3/41 *20.7*	19/32 *15.1*	1-5/32 *29.4*	1-15/16 *49.2*

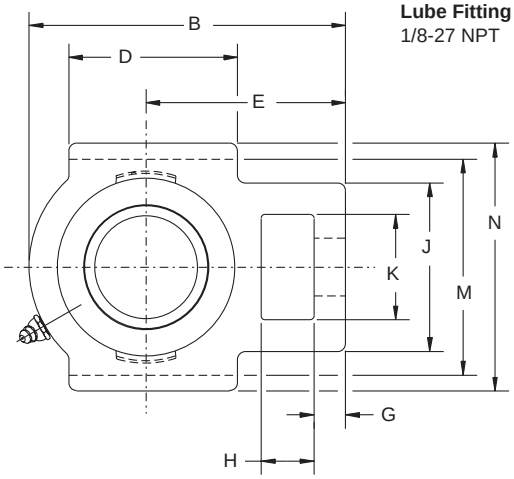
*+ or -.015, + or -.38mm #+.010, -.020" +.25mm, -.50mm

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

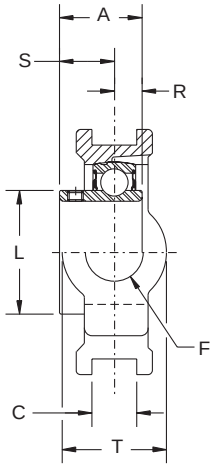
SELECTION/DIMENSIONS

Setscrew Ball Bearings

SCM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
211	1-15/16	**135123**	WSTU-SCM-115
	2	**135183**	WSTU-SCM-200
	50mm	***125994***	*WSTU-SCM-50M*
212	2-3/16	**135125**	WSTU-SCM-203
	2-1/4	**135184**	WSTU-SCM-204
	55mm	***125995***	*WSTU-SCM-55M*
214	2-7/16	**135127**	WSTU-SCM-207
	2-1/2	**135185**	WSTU-SCM-208
	65mm	***125996***	*WSTU-SCM-65M*
215	2-11/16	**135129**	WSTU-SCM-211
	70mm	***125997***	*WSTU-SCM-70M*
216	2-15/16	**135130**	WSTU-SCM-215
	3	**135181**	WSTU-SCM-300
	75mm	***125998***	*WSTU-SCM-75M*

DODGE®

Setscrew Ball Bearings
SCM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. *kgs.*	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G
211	1-15/16 2 *50mm*	10.1 10.2 *4.7*	WS502	1-27/32 *46.8*	6-11/16 *159.9*	1-1/16 *27.0*	3-3/4 *95.3*	4-3/16 *106.4*	1-1/4 *31.8*	3/4 *19.1*
212	2-3/16 2-1/4 *55mm*	11.4 11.2 *5.1*	WS502	1-63/64 *50.4*	7-1/2 *190.5*	1-1/16 *27.0*	4 *101.60*	4-11/16 *119.1*	1-1/4 *31.8*	3/4 *19.1*
214	2-7/16 2-1/2 *65mm*	18.2 18.0 *8.1*	WS515	2-15/64 *56.8*	8-9/16 *217.5*	1-1/16 *27.0*	4-3/4 *120.7*	5-3/8 *136.5*	1-1/2 *38.1*	13/16 *20.6*
215	2-11/16 *70mm*	19.0 *8.9*	WS515	2-9/32 *57.9*	9-1/8 *231.8*	1-1/16 *27.0*	4-3/4 *120.7*	5-1/2 *139.7*	1-1/2 *38.1*	13/16 *20.6*
216	2-15/16 3 *75mm*	21.7 21.5 *9.5*	WS608	2-11/64 *55.2*	9-1/8 *231.8*	1-1/16 *27.0*	4-3/4 *120.7*	5-1/2 *139.7*	1-1/2 *38.1*	13/16 *20.6*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
211	1-15/16 2 *50mm*	1 *25.4*	4 *101.6*	2-1/2 *63.5*	2-23/32 *69.1*	5-1/8 *130.2*	5-7/8 *149.2*	5/8 *15.9*	1-7/32 *31.0*	2-1/2 *63.5*
212	2-3/16 2-1/4 *55mm*	1-1/4 *31.8*	4 *101.60*	2-1/2 *63.5*	2-31/32 *75.4*	5-1/8 *130.2*	5-7/8 *149.2*	43/64 *17.1*	1-5/16 *33.3*	2-1/2 *63.5*
214	2-7/16 2-1/2 *65mm*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	3-5/16 *84.1*	5-15/16 *150.8*	6-9/16 *166.7*	51/64 *20.2*	1-7/16 *36.5*	2-3/4 *69.9*
215	2-11/16 *70mm*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	3-5/8 *92.1*	5-15/16 *150.8*	6-11/16 *169.9*	13/16 *20.6*	1-15/32 *37.3*	2-3/4 *69.9*
216	2-15/16 3 75mm	1-1/4 31.8	4-3/8 111.1	2-3/4 69.9	3-53/64 97.2	6-1/2 165.1	7-1/4 184.2	43/64 17.1	1-1/23 38.1	2-3/4 69.9

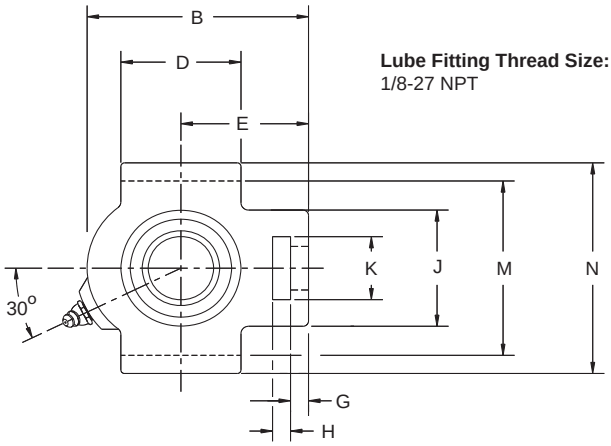
*+ or -.015, + or -.38mm #+.010, -.020" +.25mm, -.50mm

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

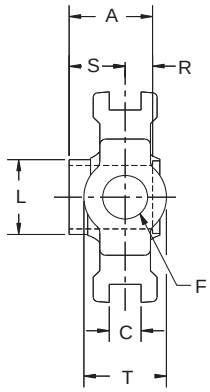
SELECTION/DIMENSIONS

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
204	3/4	**125549**	WSTU-VSC-012
	20mm	*@*	*WSTU-VSC-20M*
205	7/8	**125550**	WSTU-VSC-014
	15/16	**125551**	WSTU-VSC-015
	1	**125552**	WSTU-VSC-100
	25mm	*@*	*WSTU-VSC-25M*
206	1-1/8	**125553**	WSTU-VSC-102
	1-3/16	**125554**	WSTU-VSC-103
	1-1/4	**125556**	WSTU-VSC-104S
	30mm	*@*	*WSTU-VSC-30M*
207	1-1/4	**125555**	WSTU-VSC-104
	1-3/8	**125557**	WSTU-VSC-106
	1-7/16	**125558**	WSTU-VSC-107
	35mm	*@*	*WSTU-VSC-35M*

@ Assembled to order

DODGE®

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. kg.	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G
204	3/4 *20mm*	1.9 *0.87*	WS300	1-1/16 *27.0*	3-11/16 *93.7*	17/32 *13.5*	2 *50.8*	2-3/8 *60.3*	5/8 *15.9*	3/8 *9.5*
205	7/8 15/16 1 *25mm*	2.2 2.1 2.0 *0.96*	WS300	1-3/32 *27.8*	3-13/16 *96.8*	17/32 *13.5*	2 *50.8*	2-7/16 *61.9*	5/8 *15.9*	3/8 *9.5*
206	1-1/8 1-3/16 1-1/4 *30mm*	3.0 2.9 2.8 *1.33*	WS308	1-19/64 *32.9*	4-3/8 *111.1*	17/32 *13.5*	2-1/4 *57.2*	2-3/4 *69.9*	3/4 *19.1*	3/8 *9.5*
207	1-1/4 1-3/8 1-7/16 *35mm*	3.8 3.6 3.5 *1.65*	WS308	1-7/16 *36.5*	4-7/8 *123.8*	17/32 *13.5*	2-1/2 *63.5*	3-1/16 *77.8*	3/4 *19.1*	1/2 *12.7*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
204	3/4 *20mm*	5/8 *15.9*	2 *50.8*	1-1/4 *31.8*	1-1/8 *28.6*	3 *76.2*	3-5/8 *92.1*	5/16 *7.9*	21/64 *8.3*	1-3/8 *34.9*
205	7/8 15/16 1 *25mm*	5/8 *15.9*	2 *50.8*	1-5/16 *33.3*	1-21/64 *33.7*	3 *76.2*	3-5/8 *92.1*	5/16 *7.9*	21/64 *8.3*	1-3/8 *34.9*
206	1-1/8 1-3/16 1-1/4 *30mm*	5/8 *15.9*	2-3/16 *55.6*	1-7/16 *36.5*	1-37/64 *40.1*	3-1/2 *88.9*	4-1/8 *104.8*	5/16 *7.9*	25/64 *9.9*	1-5/8 *41.3*
207	1-1/4 1-3/8 1-7/16 *35mm*	5/8 *15.9*	2-1/2 *63.5*	1-7/16 *36.5*	1-27/32 *46.8*	3-1/2 *88.9*	4-1/8 *104.8*	5/16 *7.9*	13/32 *10.3*	1-5/8 *41.3*

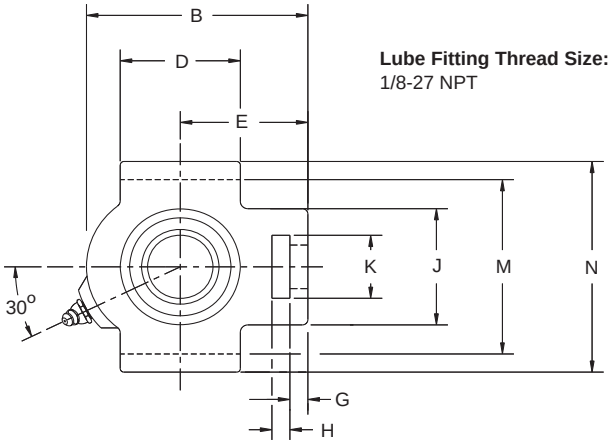
*+ or.015", + or -.38mm

+.010, -.020" +.25, -.50mm

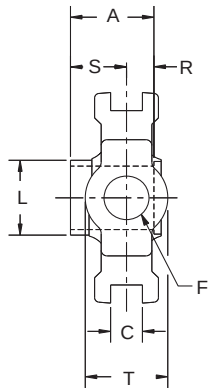
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
208	1-1/2	**125559**	WSTU-VSC-108
	40mm	*@*	*WSTU-VSC-40M*
209	1-11/16	**125560**	WSTU-VSC-111
	1-3/4	**125561**	WSTU-VSC-112
	45mm	*@*	*WSTU-VSC-45M*
210	1-15/16	**125562**	WSTU-VSC-115
	2	**125563**	WSTU-VSC-200
	50mm	*@*	*WSTU-VSC-50M*
211	2	**125564**	WSTU-VSC-200L
	2-3/16	**125565**	WSTU-VSC-203
	55mm	*@*	*WSTU-VSC-55M*

@ Assembled to order

DODGE®

Setscrew Ball Bearings

VSC INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs. *kg.*	Take-Up Frame No. Ref.	A	B	C*	D	E	F Screw Dia.	G
208	1-1/2 *40mm*	6.1 *2.80*	WS400	1-9/16 *39.7*	5-11/16 *144.5*	11/16 *17.5*	3-1/4 *82.6*	3-1/2 *88.9*	1 *25.4*	5/8 *15.9*
209	1-11/16 1-3/4 *45mm*	6.0 5.9 *2.76*	WS400	1-19/32 *40.5*	5-5/8 *142.9*	11/16 *17.5*	3-1/4 *82.6*	3-7/16 *87.3*	1 *25.4*	5/8 *15.9*
210	1-15/16 2 *50mm*	6.4 6.2 *2.94*	WS400	1-5/8 *41.3*	5-13/16 *147.6*	11/16 *17.5*	3-3/8 *85.7*	3-9/16 *90.5*	1 *25.4*	5/8 *15.9*
211	2 2-3/16 *55mm*	10.1 10.0 *4.65*	WS502	1-23/32 *43.7*	6-11/16 *169.9*	1-1/16 *27.0*	3-3/4 *95.3*	4-3/16 *106.4*	1-1/4 *31.8*	3/4 *19.1*

Series	Shaft Size	H	J	K	L	M#	N	R	S	T
208	1-1/2 *40mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-3/64 *52.0*	4 *101.6*	4-1/2 *114.3*	3/8 *9.5*	15/32 *11.9*	1-15/16 *49.2*
209	1-11/16 1-3/4 *45mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/32 *56.4*	4 *101.6*	4-3/4 *120.7*	3/8 *9.5*	15/32 *11.9*	1-15/16 *49.2*
210	1-15/16 2 *50mm*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-7/16 *61.9*	4 *101.6*	4-3/4 *120.7*	3/8 *9.5*	15/32 *11.9*	1-15/16 *49.2*
211	2 2-3/16 *55mm*	1 *25.4*	4 *101.6*	2-1/2 *63.5*	2-23/32 *69.1*	5-1/8 *130.2*	5-7/8 *149.2*	7/16 *11.1*	1/2 *12.7*	2-1/2 *63.5*

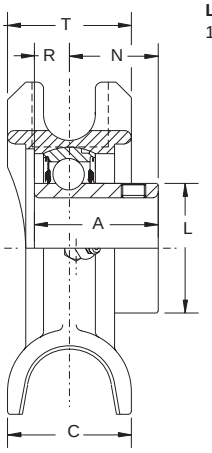
*+ or.015", + or -.38mm # +.010, -.020" +.25, -.50mm

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

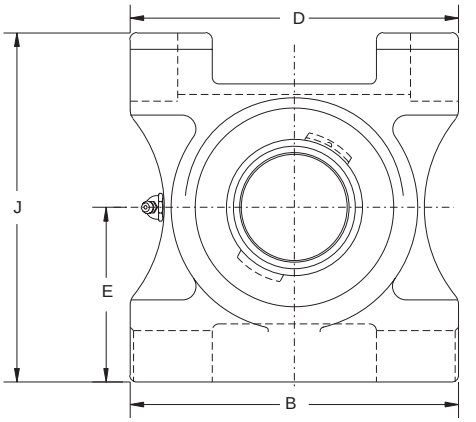
SELECTION/DIMENSIONS

Setscrew Ball Bearings

TYPE G NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
210	1-15/16	**012340**	TP-G-115
	2	**012302**	TP-G-200
211	2	**136081**	TP-GM-200
	2-3/16	**012341**	TP-G-203
	2-1/4	**012303**	TP-G-204
212	2-1/4	**136082**	TP-GM-204
	2-7/16	**012342**	TP-G-207
214	2-1/2	**136083**	TP-GM-208
	2-11/15	**@**	TP-G-211
215	2-15/16	**012343**	TP-G-215

@ Assembled to order

Setscrew Ball Bearings

TYPE G NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS

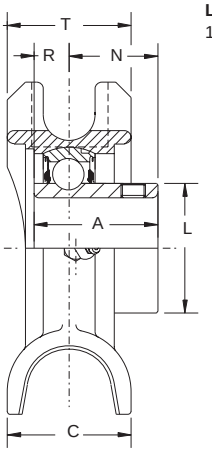
Series	Shaft Size	Weight lbs.	Frame Size	A	B	C	D	E	J	L	N	R	T
210	1-15/16 2	10.2 10.0	TP10	1-3/4	6-1/2	2-3/8	6	3-1/4	6-3/8	2-7/16	1-5/32	19/32	2-3/8
211	2 2-3/16 2-1/4	12.5 12.4 1.02	TP20	1-27/32	7	2-1/2	6-3/4	3-3/8	6-7/8	2-23/32	1-7/32	5/8	2-3/8
212	2-1/4 2-7/16	16.0 15.9	TP30	1-63/64	7-1/2	2-3/4	7	3-1/2	7-7/16	2-31/32	1-5/16	43/64	2-3/4
214	2-1/2 2-11/15	21.3 21.1	TP40	2-15/64	8-1/2	2-1/2	8	4	8-15/16	3-5/16	1-7/16	51-64	2-3/4
215	2-15/16	21.2	TP40	2-9/64	8-1/2	2-1/2	8	4	8-5/16	3-5/8	1-15/32	13/16	2-3/4

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

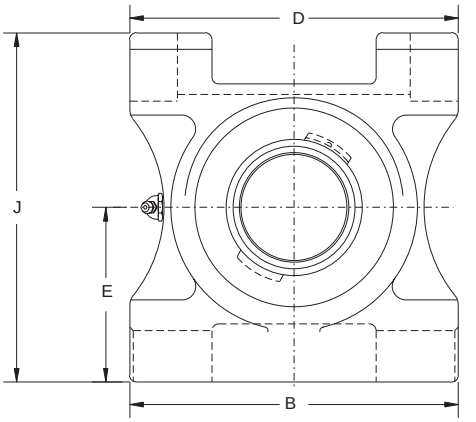
SELECTION/DIMENSIONS

Setscrew Ball Bearings

TYPE GM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS



Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
210	1-11/16	**136070**	TP-GM-111
	1-3/4	**136080**	TP-GM-112
211	1-15/16	**136071**	TP-GM-115
	2	**136081**	TP-GM-200
212	2-3/16	**136072**	TP-GM-203
	2-1/4	**136082**	TP-GM-204
214	2-7/16	**136073**	TP-GM-207
	2-1/2	**136083**	TP-GM-208
215	2-11/16	**136076**	TP-GM-211
216	2-15/16	**136074**	TP-GM-215
	3	**136084**	TP-GM-300
218	3-7/16	**136075**	TP-GM-307
	3-1/2	**136085**	TP-GM-308

Setscrew Ball Bearings

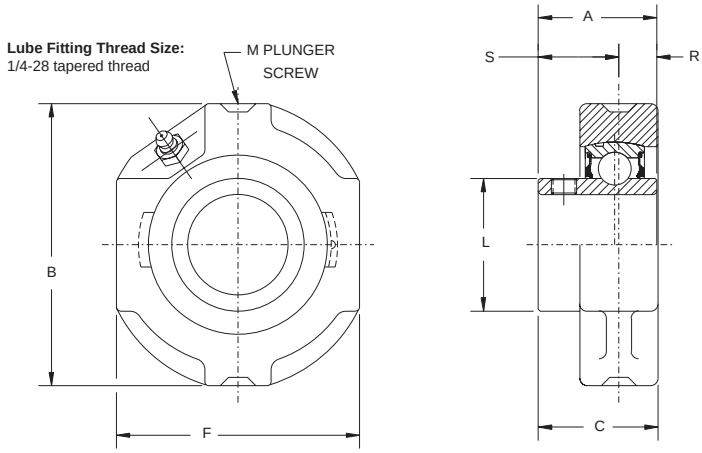
TYPE GM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs.	Frame Size	A	B	C	D	E	J	L	N	R	T
210	1-11/16 1-3/4	10.4 10.0	TP10	1-3/4	6-1/2	2-3/8	6	3-1/4	6-3/8	2-7/16	1-5/32	19/32	2-3/8
211	1-15/16 2	12.8 12.5	TP20	1-27/32	7	2-1/2	6-3/4	3-3/8	6-7/8	2-23/32	1-7/32	5/8	2-3/8
212	2-3/16 2-1/4	16.2 16.0	TP30	1-63/64	7-1/2	2-3/4	7	3-1/2	7-7/16	2-31/32	1-5/16	43/64	2-3/4
214	2-7/16 2-1/2	21.7 21.0	TP40	2-15/64	8-1/2	2-1/2	8	4	8-5/16	3-5/16	1-7/16	51/64	2-3/4
215	2-11/16	25.0	TP40	2-9/32	8-1/2	2-1/2	8	4	8-5/16	3-5/8	1-15/32	13/16	2-3/4
216	2-15/16 3	29.8 29.5	TP50	2-11/64	9-1/2	2-3/4	9	4-1/2	9-5/8	3-53/64	1-1/2	43/64	3-1/8
218	3-7/16 3-1/2	40.2 40.0	TP60	2-31/64	11	3-1/8	10-1/2	5-1/2	11	4-23/64	1-9/16	59/64	3-1/8

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY HANGER BEARINGS



Series	Shaft Size	Part No.	Description
206	1-1/16	**124420**	HNG-SC-101
	1-1/8	**124421**	HNG-SC-102
	1-3/16	**124240**	HNG-SC-103
	1-1/4	**123176**	HNG-SC-104S
207	1-1/4	**124422**	HNG-SC-104
	1-5/16	**124423**	HNG-SC-105
	1-3/8	**124424**	HNG-SC-106
	1-7/16	**124242**	HNG-SC-107
210	1-15/16	**124245**	HNG-SC-115
	2	**124393**	HNG-SC-200

These bearings are designed for use in 4-point hanger frames.

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY HANGER BEARINGS

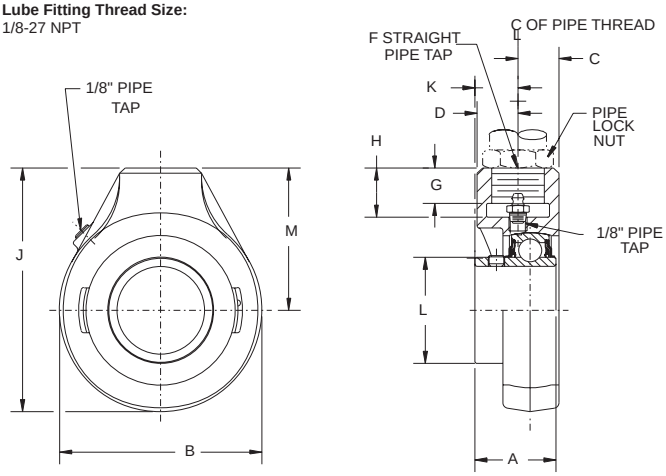
Series	Shaft Size	Weight lbs.	A	B	C	F	L	M	R	S
206	1-1/16 1-1/8 1-3/16 1-1/4	2.0 1.9 1.8 1.7	1-25/64	3-5/8	1-15/32	3	1-37/64	1/2	31/64	29/32
207	1-1/4 1-5/16 1-3/8 1-7/16	2.8 2.6 2.4 2.2	1-17/32	4-1/4	1-43/64	3-1/2	1-27/32	1/2	1/2	1-1/32
210	1-15/16 2	6.2 6.0	1-3/4	5	1-31/32	4-3/16	2-7/16	5/8	19/32	1-5/32

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS

Lube Fitting Thread Size:
1/8-27 NPT



Series	Shaft Size	Part No.	Description
206	1	**057878**	SCHB-SC-100
	1-1/8	@	SCHB-SC-102
207	1-3/16	**057220**	SCHB-SC-103
	1-1/4	**124996**	SCHB-SC-104
	1-3/8	**058630**	SCHB-SC-106
208	1-7/16	**126049**	SCHB-SC-107
	1-1/2	**124290**	SCHB-SC-108
	1-5/8	**124404**	SCHB-SC-110
210	1-11/16	**124408**	SCHB-SC-111
	1-3/4	**124299**	SCHB-SC-112
	1-15/16	**124405**	SCHB-SC-115
	2	**124291**	SCHB-SC-200
212	2-3/16	**124409**	SCHB-SC-203
	2-1/4	**124419**	SCHB-SC-204
	2-7/16	**124292**	SCHB-SC-207
216	2-15/16	**124406**	SCHB-SC-215
	3	**124293**	SCHB-SC-300
218	3-7/16	**053320**	SCHB-SC-307
	3-1/2	**057361**	SCHB-SC-308

@ Assembled to order

DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS

Series	Size	Weight Lbs.	A	B	C	D	F*	G	H	J	K	L	M
206	1 1-1/8	3.0	1-25/64	3-1/8	53/64	47/64	3/4 - 14	3/4	15/16	4-1/16	55/64	1-37/64	2-1/2
207	1-3/16 1-1/4 1-3/8	3.5 3.5 3.5	1-17/32	3-7/8	53/64	53/64	3/4 - 14	5/8	15/16	4-11/16	31/32	1-27/32	2-3/4
208	1-7/16 1-1/2 1-5/8	3.4 3.4 3.8	1-11/16	4	53/64	53/64	3/4 - 14	5/8	15/16	4-7/8	59/64	2-3/64	2-7/8
210	1-11/16 1-3/4 1-15/16 2	5.4 4.8 4.5 4.4	1-3/4	4-5/8	15/16	7/8	1 - 11-1/2	13/16	1-1/8	5-9/16	7/8	2-7/16	3-1/4
212	2-3/16 2-1/4 2-7/16	5.0 5.0 7.4	1-63/64	5-1/2	1-5/32	1-5/32	1-1/4 - 11-1/2	1-1/8	1-7/16	6-3/4	31/32	2-31/32	4
216	2-15/16 3	14.0 14.6	2-11/64	7	1-23/64	1-13/32	1-1/2 - 11-1/2	1-1/4	1-11/16	8-3/8	1-11/64	3-53/64	4-7/8
218	3-7/16 3-1/2	21.2 21.0	2-31/64	8-5/16	1-3/4	1-3/4	2 - 11-1/2	1-3/4	2-3/16	10-5/32	1-23/64	4-23/64	6

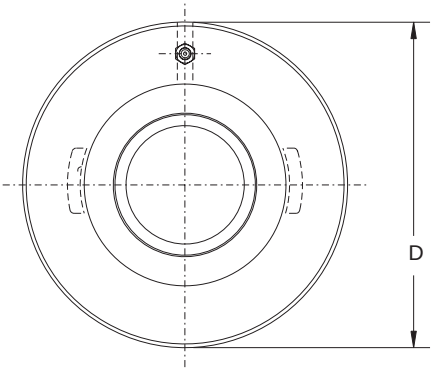
Use straight thread for the pipe. Bearing to be secured with a heavy locknut
Pipe plug and lube fitting are factory installed and may be reversed from position shown

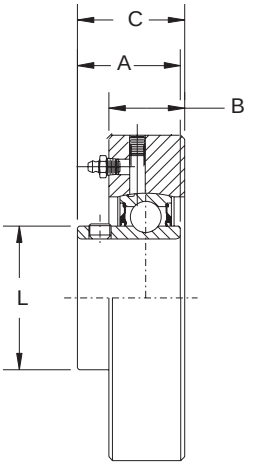
NOTE: Inserts use the ProGuard Plus (-FF) seals. 1, 1-3/16, 1-7/16, 1-11/16, 1-3/4, 2-3/16, 2-1/4
2-15/16, 3, 3-7/16 & 3-1/2 use SCM inserts with flingers.

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY CYLINDRICAL UNITS

Lube Fitting Thread Size:
1/4-28 tapered thread





Series	Shaft Size	Part No.	Description
205	7/8	**124394**	CYL-SC-014
	15/16	**124148**	CYL-SC-015
	1	**124149**	CYL-SC-100
206	1-1/16	**124427**	CYL-SC-101
	1-1/8	**124428**	CYL-SC-102
	1-3/16	**124250**	CYL-SC-103
	1-1/4	**123177**	CYL-SC-104S
207	1-1/4	**124251**	CYL-SC-104
	1-5/16	**124429**	CYL-SC-105
	1-3/8	**124430**	CYL-SC-106
	1-7/16	**124253**	CYL-SC-107

FEATURES/BENEFITS PAGE B3-2 | NOMENCLATURE PAGE B3-4 | SELECTION PAGE B3-5 | RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY CYLINDRICAL UNITS

Series	Shaft Size	Weight lbs.	A	B	C	D#	L
205	7/8 15/16 1	1.4 1.3 1.2	1-3/16	27/32	1-11/64	3-1/8	1-21/64
206	1-1/16 1-1/8 1-3/16 1-1/4	2.2 2.1 2.0 1.9	1-25/64	15/16	1-11/32	3-1/2	1-37/64
207	1-1/4 1-5/16 1-3/8 1-7/16	2.8 2.7 2.6 2.5	1-17/32	1-1/16	1-17/32	3-7/8	1-27/32

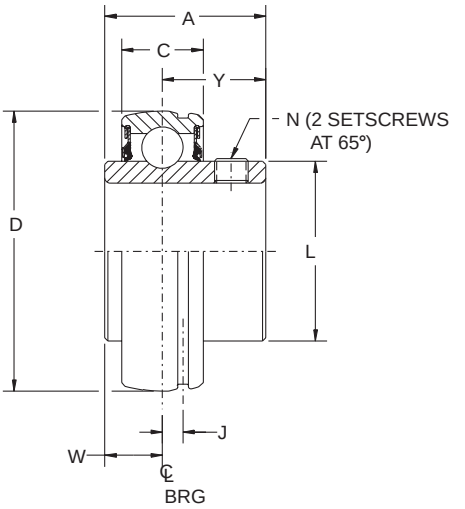
+.000" -.002

To prevent the housing from rotating in the machine frame, tap a hole on the joint between the housing O. D. and the machine frame bore and lock with a setscrew.

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

Setscrew Ball Bearings
SC NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Standard Insert		Insert With Flingers		Corrosion Resistant Insert		High Temp	
		Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**123328**	INS-SC-008	**052159**	INS-SC-008-FF	**059759**	INS-SC-008-CR*	---------	INS-SC-008-HT
	5/8	**123329**	INS-SC-010	@	INS-SC-010-FF	@	INS-SC-010-CR*	---------	INS-SC-010-HT
	17mm	***125800***	*INS-SC-17M*	@	*INS-SC-17M-FF*	@	*INS-SC-17M-CR**	---------	*INS-SC-17M-HT*
204	1/2	**123330**	INS-SC-008L	@	INS-SC-008L-FF	**052981**	INS-SC-008L-CR*	@	INS-SC-008L-HT
	5/8	**123331**	INS-SC-010L	**124932**	INS-SC-010L-FF	**127073**	INS-SC-010L-CR*	@	INS-SC-010L-HT
	3/4	**123332**	INS-SC-012	**123070**	INS-SC-012-FF	**045600**	INS-SC-012-CR	**052032**	INS-SC-012-HT
	13/16	@	INS-SC-013	@	INS-SC-013-FF	@	INS-SC-013-CR*	@	INS-SC-013-HT
	20mm	***125802***	*INS-SC-20M*	***050524***	*INS-SC-20M-FF*	***125873***	*INS-SC-20M-CR**	@	*INS-SC-20M-HT*
205	7/8	**123333**	INS-SC-014	**124931**	INS-SC-014-FF	**058665**	INS-SC-014-CR*	**068013**	INS-SC-014-HT
	15/16	**123334**	INS-SC-015	**123069**	INS-SC-015-FF	@	INS-SC-015-CR*	@	INS-SC-015-HT
	1	**123335**	INS-SC-100	**123071**	INS-SC-100-FF	**045601**	INS-SC-100-CR	**054949**	INS-SC-100-HT
	25mm	***125804***	*INS-SC-25M*	***052620***	*INS-SC-25M-FF*	***050580***	*INS-SC-25M-CR*	@	*INS-SC-25M-HT*
206	1-1/16	**123336**	INS-SC-101	@	INS-SC-101-FF	@	INS-SC-101-CR*	@	INS-SC-101-HT
	1-1/8	**123337**	INS-SC-102	**123234**	INS-SC-102-FF	@	INS-SC-102-CR*	@	INS-SC-102-HT
	1-3/16	**123338**	INS-SC-103	**123072**	INS-SC-103-FF	**045602**	INS-SC-103-CR	**067902**	INS-SC-103-HT
	1-1/4	**123469**	INS-SC-104S	**123073**	INS-SC-104S-FF	**045603**	INS-SC-104S-CR	@	INS-SC-104S-HT
	30mm	***125806***	*INS-SC-30M*	***052621***	*INS-SC-30M-FF*	***125874***	*INS-SC-30M-CR*	@	*INS-SC-30M-HT*
207	1-1/4	**123339**	INS-SC-104	**123074**	INS-SC-104-FF	**045412**	INS-SC-104-CR	**053776**	INS-SC-104-HT
	1-5/16	**123340**	INS-SC-105	**057102**	INS-SC-105-FF	**058345**	INS-SC-105-CR*	**057201**	INS-SC-105-HT
	1-3/8	**123341**	INS-SC-106	**123460**	INS-SC-106-FF	**058965**	INS-SC-106-CR*	**057354**	INS-SC-106-HT
	1-7/16	**123368**	INS-SC-107	**123075**	INS-SC-107-FF	**045604**	INS-SC-107-CR	**052645**	INS-SC-107-HT
	35mm	***125808***	*INS-SC-35M*	***052622***	*INS-SC-35M-FF*	***050653***	*INS-SC-35M-CR*	@	*INS-SC-35M-HT*

@ Assembled to order

* 20 piece minimum

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

DODGE®

Setscrew Ball Bearings
SC NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kgs,*	A	C	D	J	L	N	W	Y
203	1/2 5/8 *17mm*	.25 .23 *.10*	1 *25.4*	.511 *13.0*	1.5748 *40.0*	0.150 *3.0*	31/32 *24.6*	10-32 *M5x.8*	23/64 *9.1*	41/64 *16.3*
204	1/2 5/8 3/4 13/16 *20mm*	.38 .35 .32 .29 *.16*	1-5/32 *29.4*	.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-1/8 *28.6*	10-32 10-32 1/4-28 1/4-28 *M6x1*	27/64 *10.7*	47/64 *18.7*
205	7/8 15/16 1 *25mm*	.43 .40 .37 *.18*	1-3/16 *30.2*	.5906 *15.0*	2.0472 *52.0*	.152 *3.9*	1-21/64 *33.7*	1/4-28 *M6x1*	27/64 *10.7*	49/64 *19.4*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	.67 .63 .60 .58 *.27*	1-25/64 *35.3*	.7067 *18.0*	2.4409 *62.0*	.190 *4.8*	1-37/64 *40.1*	5/16-24 5/16-24 5/16-24 1/4-28 *M8x1.25*	31/64 *12.3*	29/32 *23.0*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.02 .97 .92 .86 *.44*	1-17/32 *38.9*	.7480 *19.0*	2.8346 *72.0*	.202 *5.1*	1-27/32 *46.8*	5/16-24 *M8x1.25*	1/2 *12.7*	1-1/32 *26.2*

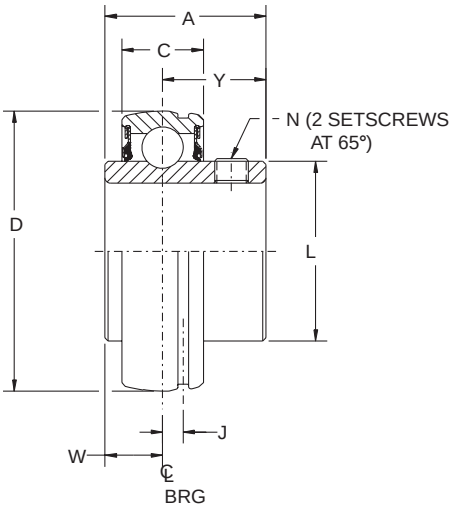
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings

SC NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Standard Insert		Insert With Flingers		Corrosion Resistant Insert		High Temp	
		Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
208	1-1/2	**123342**	INS-SC-108	**123075**	INS-SC-108-FF	**045605**	INS-SC-108-CR	**064149**	INS-SC-108-HT
	1-5/8	**123343**	INS-SC-110	**123409**	INS-SC-110-FF	@	INS-SC-110-CR*	@	INS-SC-110-HT
	40mm	***125810***	*INS-SC-40M*	***052623***	*INS-SC-40M-FF*	***050654***	*INS-SC-40M-CR*	***064865***	*INS-SC-40M-HT*
209	1-5/8	**045874**	INS-SC-110L	@	INS-SC-110L-FF	@	INS-SC-110L-CR*	@	INS-SC-110L-HT
	1-11/16	**123344**	INS-SC-111	@	INS-SC-111-FF	**125004**	INS-SC-111-CR	**053565**	INS-SC-111-HT
	1-3/4	**123345**	INS-SC-112	**045677**	INS-SC-112-FF	**054145**	INS-SC-112-CR*	@	INS-SC-112-HT
	1-13/16	**054225**	INS-SC-113	@	INS-SC-113-FF	@	NS-SC-113-CR*	@	INS-SC-113-HT
	45mm	***125812***	*INS-SC-45M*	***064877***	*INS-SC-45M-FF*	***125005***	*INS-SC-45M-CR**	@	*INS-SC-45M-HT*
210	1-15/16	**123346**	INS-SC-115	**123077**	INS-SC-115-FF	**045606**	INS-SC-115-CR	**054019**	INS-SC-115-HT
	2	**123347**	INS-SC-200	**123413**	INS-SC-200-FF	**045338**	INS-SC-200-CR	**054431**	INS-SC-200-HT
	50mm	***125814***	*INS-SC-50M*	@	*INS-SC-50M-FF*	***050656***	*INS-SC-50M-CR*	@	*INS-SC-50M-HT*
211	2	**123358**	INS-SCM-200	**068604**	INS-SCM-200-FF	**125175**	INS-SCM-200-CR*	**058157**	INS-SCM-200-HT
	2-3/16	**123348**	INS-SC-203	**058230**	INS-SC-203-FF	**058178**	INS-SC-203-CR*	@	INS-SC-203-HT
	2-1/4	**123349**	INS-SC-204	**058220**	INS-SC-204-FF	**053825**	INS-SC-204-CR*	@	INS-SC-204-HT
	55mm	***125816***	*INS-SC-55M*	@	*INS-SC-55M-FF*	@	*INS-SC-55M-CR**	@	*INS-SC-55M-HT*
212	2-1/4	**123360**	INS-SCM-204	**064636**	INS-SCM-204-FF	**053900**	INS-SCM-204-CR*	@	INS-SCM-204-HT
	2-7/16	**123350**	INS-SC-207	**123416**	INS-SC-207-FF	**057681**	INS-SC-207-CR*	**054196**	INS-SC-207-HT
	60mm	***125818***	*INS-SC-60M*	@	*INS-SC-60M-FF*	@	*INS-SC-60M-CR**	***057802***	*INS-SC-60M-HT*
214	2-1/2	**123362**	INS-SCM-208	@	INS-SCM-208-FF	**053831**	INS-SCM-208-CR*	@	INS-SCM-208-HT
	2-11/16	**123326**	INS-SC-211	@	INS-SC-211-FF	@	INS-SC-211-CR*	@	INS-SC-211-HT
	70mm	***125820***	*INS-SC-70M*	@	*INS-SC-70M-FF*	@	*INS-SC-70M-CR**	@	*INS-SC-70M-HT*
215	2-15/16	**123352**	INS-SC-215	**050365**	INS-SC-215-FF	@	INS-SC-215-CR*	@	INS-SC-215-HT
	75mm	***125822***	*INS-SC-75M*	@	*INS-SC-75M-FF*	@	*INS-SC-75M-CR**	@	*INS-SC-75M-HT*
218	*90mm*	@	*INS-SC-90M*	@	*INS-SC-90M-FF*	@	*INS-SC-90M-CR**	@	*INS-SC-90M-HT*

@ Assembled to order.

* 20 piece minimum

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Setscrew Ball Bearings
SC NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kgs,*	A	C	D	J	L	N	W	Y
208	1-1/2 1-5/8 *40mm*	1.27 1.13 *0.51*	1-11/16 *42.9*	.8661 *22.0*	3.149 *80.0*	.224 *5.7*	2-3/64 *52.0*	5/16-24 *M8x1.25*	19/32 *15.1*	1-3/32 *27.8*
209	1-5/8 1-11/16 1-3/4 1-13/16 *45mm*	1.49 1.43 1.36 1.30 *0.62*	1-23/32 *43.7*	.8661 *22.0*	3.3465 *85.0*	.248 *6.3*	2-7/32 *56.4*	5/16-24 *M8x1.25*	19/32 *15.1*	1-1/8 *28.6*
210	1-15/16 2 *50mm*	1.48 1.39 *0.67*	1-3/4 *44.5*	.8661 *22.0*	3.5433 *90.0*	.248 *6.3*	2-7/16 *61.9*	3/8-24 *M10x1.5*	19/32 *15.1*	1-5/32 *29.4*
211	2 2-3/16 2-1/4 *55mm*	2.26 1.97 1.87 *0.89*	1-27/32 *46.8*	.9449 *24.0*	3.9370 *100.0*	.267 *6.8*	2-23/32 *69.1*	3/8-24 *M10x1.5*	5/8 *15.9*	1-7/32 *31.0*
212	2-1/4 2-7/16 *60mm*	2.85 2.49 *1.13*	1-63/64 *50.4*	1.0240 *26.0*	4.3307 *110.0*	.250 *6.4*	2-31/32 *75.4*	3/8-24 *M10x1.5*	43/64 *17.1*	1-5/16 *33.3*
214	2-1/2 2-11/16 *70mm*	4.25 3.60 *1.63*	2-15/64 *56.8*	1.1020 *28.0*	4.9213 *125.0*	.264 *6.7*	3-5/16 *84.1*	3/8-24 *M10x1.5*	51/64 *20.2*	1-7/16 *36.5*
215	2-15/16 *75mm*	3.86 *1.75*	2-9/32 *57.9*	1.1420 *29.0*	5.1181 *130.0*	.265 *6.7*	3-5/8 *92.1*	3/8-24 *M10x1.5*	13/16 *20.6*	1-15/32 *37.3*
218	*90mm*	*3.30*	*63.1*	*34.0*	*160.0*	*7.6*	*110.7*	*M10x1.5*	*23.4*	*39.7*

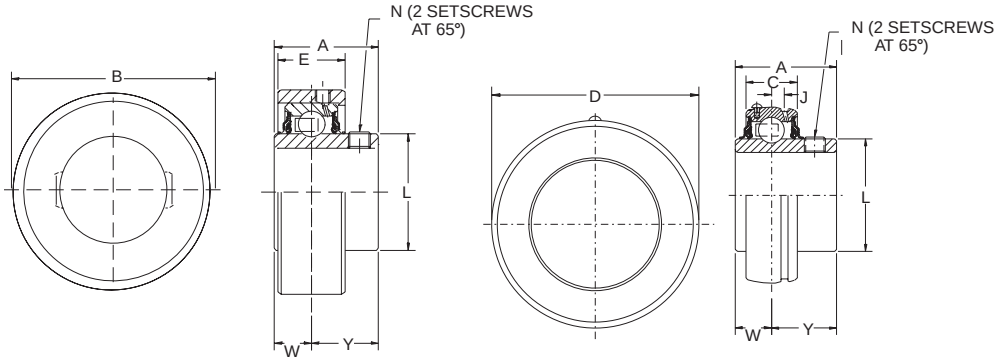
FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION PAGE B3-5	RELATED PRODUCTS PAGE B3-133

SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings

SCH-E EXPANSION AND SCH NON-EXPANSION NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Expansion		Non-Expansion	
		Part No.	Description	Part No.	Description
206	1	@	INS-SCMH-100-E	@	INS-SCMH-100
	1-1/16	@	INS-SCH-101-E	@	INS-SCH-101M
	1-1/8	@	INS-SCH-102-E	@	INS-SCH-102
	1-3/16	**126495**	INS-SCH-103-E	**126490**	INS-SCH-103
	1-1/4	@	INS-SCH-104S-E	@	INS-SCH-104S
	30mm	***049925***	*INS-SCH-30M-E*	@	*INS-SCH-30M*
207	1-1/4	@	INS-SCH-104-E	@	INS-SCH-104
	1-5/16	@	INS-SCH-105-E	@	INS-SCH-105
	1-3/8	@	INS-SCH-106-E	@	INS-SCH-106
	1-7/16	**126496**	INS-SCH-107-E	**126491**	INS-SCH-107
	35mm	@	*INS-SCH-35M-E*	@	*INS-SCH-35M*
209	1-1/2	@	INS-SCMH-108-E	@	INS-SCMH-108
	1-5/8	@	INS-SCH-110-E	@	INS-SCH-110
	1-11/16	**068478**	INS-SCH-111-E	@	INS-SCH-111
	1-3/4	@	INS-SCH-112-E	@	INS-SCH-112
	45mm	@	*INS-SCH-45M-E*	@	*INS-SCH-45M*
210	1-11/16	@	INS-SCMH-111-E	@	INS-SCMH-111
	1-3/4	@	INS-SCMH-112-E	@	INS-SCMH-112
	1-15/16	**126497**	INS-SCH-115-E	**126492**	INS-SCH-115
	2	@	INS-SCH-200-E	@	INS-SCH-200
	50mm	@	*INS-SCH-50M-E*	@	*INS-SCH-50M*
211	1-15/16	@	INS-SCMH-115-E	@	INS-SCMH-115
	2	@	INS-SCMH-200-E	@	INS-SCMH-200
	2-3/16	**126498**	INS-SCH-203-E	**126493**	INS-SCH-203
	2-1/4	@	INS-SCH-204-E	@	INS-SCH-204
	55mm	@	*INS-SCH-55M-E*	@	*INS-SCH-55M*
212	2-3/16	@	INS-SCMH-203-E	@	INS-SCMH-203
	2-1/4	@	INS-SCMH-204-E	@	INS-SCMH-204
	2-7/16	**126499**	INS-SCH-207-E	**126494**	INS-SCH-207
	60mm	@	*INS-SCH-60M-E*	@	*INS-SCH-60M*

@Assembled to order

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Setscrew Ball Bearings

SCH-E EXPANSION AND SCH NON-EXPANSION NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight - Expansion lbs *kgs*	Weight - Non-Expansion lbs *kgs*	A	B	C	D	E	J	L	N	W	Y
206	1	1.29	0.69	1-25/64	2.875	15/16	2.4409	15/16	0.190	1-37/64	5/16-24	31/64	29/32
	1-1/16	1.26	0.66										
	1-1/8	1.23	0.63										
	1-3/16	1.20	0.60										
	1-1/4	1.18	0.58										
	30mm	*0.54*	*0.26*	*35.3*	*73.0*	*23.8*	*62.0*	*23.8*	*4.8*	*40.1*	*M8x1.25*	*12.3*	*23.0*
207	1-1/4	1.50	1.02	1-17/32	3.272	1	2.8346	1	0.190	1-27/32	5/16-24	1/2	1-1/32
	1-5/16	1.49	0.97										
	1-3/8	1.48	0.92										
	1-7/16	1.47	0.86										
	35mm	*0.67*	*0.44*	*38.9*	*83.1*	*25.4*	*72.0*	*25.4*	*5.1*	*46.8*	*M8x1.25*	*12.7*	*26.2*
209	1-1/2	2.51	1.62	1-23/32	3.813	1-1/4	3.3465	1-1/4	0.248	2-7/32	5/16-24	19/32	1-1/8
	1-5/8	2.48	1.49										
	1-11/16	2.45	1.43										
	1-3/4	2.43	1.36										
	45mm	*1.10*	*1.30*	*43.7*	*96.8*	*31.8*	*85.0*	*31.8*	*6.3*	*56.4*	*M8x1.25*	*15.1*	*28.6*
210	1-11/16	2.56	1.82	1-3/4	4.000	1-13/32	3.5433	1-13/32	0.248	2-7/16	3/8-24	19/32	1-5/32
	1-3/4	2.53	1.74										
	1-15/16	2.50	1.48										
	2	2.48	1.39										
	50mm	*1.13*	*0.67*	*44.5*	*101.6*	*35.7*	*90.0*	*35.7*	*6.3*	*61.9*	*M10x1.5*	*15.1*	*29.4*
211	1-15/16	3.46	2.36	1-27/32	4.475	1-7/16	3.9370	1-7/16	0.267	2-23/32	3/8-24	5/8	1-7/32
	2	3.43	2.26										
	2-3/16	3.40	1.97										
	2-1/4	3.38	1.87										
	55mm	*1.53*	*0.89*	*46.8*	*113.7*	*36.5*	*100.0*	*36.5*	*6.3*	*69.1*	*M10x1.5*	*15.9*	*31.0*
212	2-3/16	4.56	2.97	1-63/64	5.035	1-5/8	4.3307	1-5/8	0.250	2-31/32	3/8-24	43/64	1-5/16
	2-1/4	4.53	2.85										
	2-7/16	4.50	2.49										
	60mm	*2.04*	*1.13*	*50.4*	*127.9*	*41.3*	*110.0*	*41.3*	*6.4*	*75.4*	*M10x1.5*	*17.1*	*33.3*

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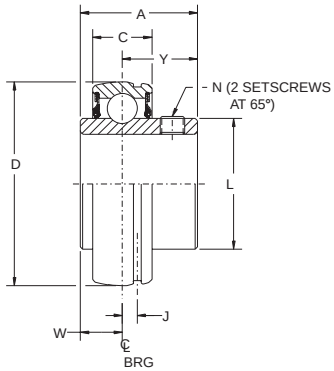
SELECTION/DIMENSIONS

DODGE®

Setscrew Ball Bearings

SCM MEDIUM DUTY BEARING INSERTS



Series	Shaft Size	Standard Insert		Insert With Flingers		Corrosion Resistant Insert		High Temp	
		Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
206	1	**123419**	INS-SCM-100	@	INS-SCM-100-FF	@	INS-SCM-100-CR*	@	INS-SCM-100-HT
	25mm	***125825***	*INS-SCM-25M*	***064878***	*INS-SCM-25M-FF*	@	*INS-SCM-25M-CR**	@	*INS-SCM-25M-HT*
207	1-3/16	**123420**	INS-SCM-103	**052841**	INS-SCM-103-FF	@	INS-SCM-103-CR*	@	INS-SCM-103-HT
	1-1/4	**123339**	INS-SC-104	**123074**	INS-SC-104-FF	**045412**	INS-SC-104-CR	**053776**	INS-SC-104-HT
	30mm	***125826***	*INS-SCM-30M*	@	*INS-SCM-30M-FF*	@	*INS-SCM-30M-CR**	@	*INS-SCM-30M-HT*
208	1-7/16	**123353**	INS-SCM-107	**123445**	INS-SCM-107-FF	@	INS-SCM-107-CR*	**049945**	INS-SCM-107-HT
	1-1/2#	**123342**	INS-SC-108	**123076**	INS-SC-108-FF	**045605**	INS-SC-108-CR	**064149**	INS-SC-108-HT
	35mm	***125828***	*INS-SCM-35M*	@	*INS-SCM-35M-FF*	@	*INS-SCM-35M-CR**	@	*INS-SCM-35M-HT*
209	1-1/2	**123354**	INS-SCM-108	**068477**	INS-SCM-108-FF	@	INS-SCM-108-CR*	**068889**	INS-SCM-108-HT
	1-5/8	**045874**	INS-SC-110L	@	INS-SC-110L-FF	@	INS-SC-110L-CR*	@	INS-SC-110L-HT
	40mm	***125830***	*INS-SCM-40M*	@	*INS-SCM-40M-FF*	@	*INS-SCM-40M-CR**	@	*INS-SCM-40M-HT*
210	1-11/16	**123355**	INS-SCM-111	**051787**	INS-SCM-111-FF	@	INS-SCM-111-CR*	@	INS-SCM-111-HT
	1-3/4	**123356**	INS-SCM-112	@	INS-SCM-112-FF	@	INS-SCM-112-CR*	@	INS-SCM-112-HT
	45mm	***125832***	*INS-SCM-45M*	@	*INS-SCM-45M-FF*	@	*INS-SCM-45M-CR**	@	*INS-SCM-45M-HT*
211	1-15/16	**123357**	INS-SCM-115	**050493**	INS-SCM-115-FF	**058397**	INS-SCM-115-CR*	@	INS-SCM-115-HT
	2	**123358**	INS-SCM-200	**068604**	INS-SCM-200-FF	**125175**	INS-SCM-200-CR*	**058157**	INS-SCM-200-HT
	50mm	***125834***	*INS-SCM-50M*	@	*INS-SCM-50M-FF*	@	*INS-SCM-50M-CR**	@	*INS-SCM-50M-HT*
212	2-3/16	**123359**	INS-SCM-203	**050186**	INS-SCM-203-FF	@	INS-SCM-203-CR*	@	INS-SCM-203-HT
	2-1/4	**123360**	INS-SCM-204	**064636**	INS-SCM-204-FF	**053900**	INS-SCM-204-CR*	@	INS-SCM-204-HT
	55mm	***125836***	*INS-SCM-55M*	@	*INS-SCM-55M-FF*	@	*INS-SCM-55M-CR**	@	*INS-SCM-55M-HT*
214	2-7/16	**123361**	INS-SCM-207	**123424**	INS-SCM-207-FF	@	INS-SCM-207-CR*	**056912**	INS-SCM-207-HT
	2-1/2	**123362**	INS-SCM-208	@	INS-SCM-208-FF	**053831**	INS-SCM-208-CR*	@	INS-SCM-208-HT
	60mm	***125838***	*INS-SCM-65M*	@	*INS-SCM-65M-FF*	@	*INS-SCM-65M-CR**	@	*INS-SCM-65M-HT*
215	2-11/16	**123363**	INS-SCM-211	@	INS-SCM-211-FF	@	INS-SCM-211-CR*	@	INS-SCM-211-HT
	70mm	***125840***	*INS-SCM-70M*	@	*INS-SCM-70M-FF*	@	*INS-SCM-70M-CR**	@	*INS-SCM-70M-HT*
216	2-15/16	**123364**	INS-SCM-215	**123456**	INS-SCM-215-FF	**045764**	INS-SCM-215-CR*	**049918**	INS-SCM-215-HT
	3	**123365**	INS-SCM-300	**123457**	INS-SCM-300-FF	@	INS-SCM-300-CR*	@	INS-SCM-300-HT
	75mm	***125842***	*INS-SCM-75M*	@	*INS-SCM-75M-FF*	@	*INS-SCM-75M-CR**	@	*INS-SCM-75M-HT*
218	3-7/16	**123366**	INS-SCM-307	**123423**	INS-SCM-307-FF	**045765**	INS-SCM-307-CR*	@	INS-SCM-307-HT
	3-1/2	**123367**	INS-SCM-308	@	INS-SCM-308-FF	@	INS-SCM-308-CR*	@	INS-SCM-308-HT
	85mm	***125844***	*INS-SCM-85M*	@	*INS-SCM-85M-FF*	@	*INS-SCM-85M-CR**	**062570**	*INS-SCM-85M-HT*

@ Assembled to order

SCM Piloted Flange Only

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DODGE®

Setscrew Ball Bearings
SCM MEDIUM DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs.	A	C	D	J	L	N	W	Y
206	1	0.71	1-25/64	.7067	2.4409	.190	1-37/64	5/16-24	31/64	29/32
	25mm	*0.32*	*35.3*	*18.0*	*62.0*	*4.8*	*40.1*	*M8x1.25*	*23.0*	*23.0*
207	1-3/16	1.07	1-17/32	.7480	2.8346	.202	1-27/32	5/16-24	1/2	1-1/32
	1-1/4	1.02								
	30mm	*0.53*	*38.9*	*19.0*	*72.0*	*5.1*	*46.8*	*M8x1.25*	*12.7*	*26.2*
208	1-7/16	1.32	1-11/16	.8661	3.1496	.224	2-3/64	5/16-24	19/32	1-3/32
	1-1/2	1.27								
	35mm	0.60	42.9	22.0	80.0	5.7	52.0	M8x1.25	15.1	27.8
209	1-1/2	1.62	1-23/32	.8661	3.3465	.248	2-7/32	5/16-24	19/32	1-1/8
	1-5/8	1.49								
	40mm	*0.71*	*43.7*	*22.0*	*85.0*	*6.3*	*56.4*	*M8x1.25*	*15.1*	*28.6*
210	1-11/16	1.82	1-3/4	.8661	3.5433	.248	2-7/16	3/8-24	19/32	1-5/32
	1-3/4	1.74								
	45mm	*0.76*	*44.5*	*22.0*	*90.0*	*6.3*	*61.9*	*M10x1.5*	*15.1*	*29.4*
211	1-15/16	2.36	1-27/32	.9449	3.9370	.267	2-23/32	3/8-24	5/8	1-7/32
	2	2.26								
	50mm	*1.03*	*46.8*	*24.0*	*100.0*	*6.8*	*69.1*	*M10x1.5*	*15.9*	*31*
212	2-3/16	2.97	1-63/64	1.0240	4.3307	.250	2-31/32	3/8-24	43/64	1-5/16
	2-1/4	2.85								
	55mm	*1.27*	*50.4*	*26.0*	*110.0*	*6.4*	*75.4*	*M10x1.5*	*17.1*	*33.3*
214	2-7/16	4.39	2-15/64	1.1020	4.9213	.265	3-5/16	3/8-245	51/64	1-7/16
	2-1/2	4.25								
	60mm	*1.86*	*56.8*	*28.0*	*110.0*	*6.7*	*84.1*	*M10x1.*	*20.2*	*36.5*
215	2-11/16	4.49	2-9/32	1.1420	5.1181	.265	3-5/8	3/8-24	13/16	1-15/32
	70mm	*1.98*	*57.9*	*29.0*	*130.0*	*6.7*	*92.1*	*M10x1.5*	*20.6*	*37.3*
216	2-15/16	5.54	2-11/32	1.1810	5.5118	.285	3-53/64	3/8-24	43/64	1-1/2
	3	5.52								
	75mm	*2.51*	*59.5*	*30.0*	*140.0*	*7.2*	*97.2*	*M10x.15*	*17.1*	*38.1*
218	3-7/16	7.35	2-31/64	1.3400	6.2992	.300	4-23/64	3/8-24	59/64	1-9/16
	3-1/2	7.33								
	85mm	*3.33*	*63.1*	*34.0*	*160.0*	*7.6*	*110.7*	*M10x1.5*	*23.4*	*39.7*

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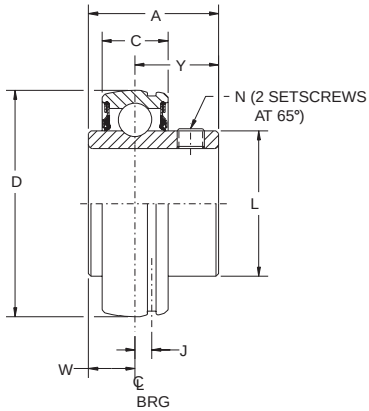
SELECTION/DIMENSIONS

Setscrew Ball Bearings
VSC INTERMEDIATE DUTY BEARING INSERTS



Series	Shaft Size	Part No.	Description
203	1/2	**389923**	INS-VSC-008
	5/8	**389924**	INS-VSC-010
	17mm	***125636***	*INS-VSC-17M*
204	3/4	**389925**	INS-VSC-012
	20mm	***125637***	*INS-VSC-20M*
205	7/8	**389936**	INS-VSC-014
	15/16	**389937**	INS-VSC-015
	1	**389926**	INS-VSC-100
	25mm	***125638***	*INS-VSC-25M*
206	1-1/8	**389938**	INS-VSC-102
	1-3/16	**389927**	INS-VSC-103
	1-1/4	**389934**	INS-VSC-104S
	30mm	***123235***	*INS-VSC-30M*
207	1-1/4	**389928**	INS-VSC-104
	1-3/8	**389939**	INS-VSC-106
	1-7/16	**389929**	INS-VSC-107
	35mm	***125639***	*INS-VSC-35M*
208	1-1/2	**389930**	INS-VSC-108
	40mm	***125640***	*INS-VSC-40M*
209	1-11/16	**389940**	INS-VSC-111
	1-3/4	**389941**	INS-VSC-112
	45mm	***125641***	*INS-VSC-45M*
210	1-15/16	**389931**	INS-VSC-115
	2	**389932**	INS-VSC-200
	50mm	***125642***	*INS-VSC-50M*
211	2	**389935**	INS-VSC-200L
	2-3/16	**389933**	INS-VSC-203
	55mm	***125643***	*INS-VSC-55M*

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DODGE®

Setscrew Ball Bearings
VSC INTERMEDIATE DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kg.*	A	C	D	J	L	N	W	Y
203	1/2 5/8 *17mm*	0.23 0.21 *0.10*	15/16 *23.8*	0.5110 *13.0*	1.5748 *40.0*	0.150 *3.8*	31/32 *24.6*	10-32 *M5 x.8*	19/64 *7.5*	41/64 *16.3*
204	3/4 *20mm*	0.25 *0.11*	1-1/16 *27.0*	0.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-21/64 *28.6*	1/4-28 *M6 x 1*	21/64 *8.3*	49/64 *18.7*
205	7/8 15/16 1 *25mm*	0.41 0.38 0.25 *0.17*	1-3/32 *27.8*	0.5906 *15.0*	2.0472 *52.0*	0.152 *3.9*	1-37/64 *33.7*	5/16-24 *M6 x 1*	25/64 *8.3*	29/32 *19.4*
206	1-1/8 1-3/16 1-1/4 *30mm*	0.61 0.58 0.56 *0.25*	1-19/64 *32.9*	0.7067 *18.0*	2.4409 *62.0*	0.190 *4.8*	1-27/32 *40.1*	5/16-24 *M8 x 1.25*	13/32 *9.9*	1-1/32 *23.0*
207	1-1/4 1-3/8 1-7/16 *35mm*	0.92 0.88 0.75 *0.38*	1-7/16 *36.5*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-3/64 *46.8*	5/16-24 *M8 x 1.25*	15/32 *10.3*	1-3/32 *26.2*
208	1-1/2 *40mm*	1.20 *0.52*	1-9/16 *39.7*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-7/32 *52.0*	5/16-24 *M8 x 1.25*	15/32 *11.9*	1-1/8 *27.8*
209	1-11/16 1-3/4 *45mm*	1.41 1.34 *0.61*	1-19/32 *40.5*	0.8661 *22.0*	3.3465 *85.0*	0.248 *6.3*	2-7/16 *56.4*	3/8-24 *M8 x 1.25*	15/32 *11.9*	1-5/32 *28.6*
210	1-15/16 2 *50mm*	1.46 1.37 *0.63*	1-5/8 *41.3*	0.8661 *22.0*	3.5433 *90.0*	0.248 *6.3*	2-23/32 *61.9*	3/8-24 *M10 x 1.5*	1/2 *11.9*	1-7/32 *29.4*
211	2 2-3/16 *55mm*	2.24 1.95 *0.97*	1-23/32 *43.7*	0.9449 *24.0*	3.9370 *100.0*	0.267 *6.8*	2-23/32 *69.1*	3/8-24 *M10 x 1.5*	1/2 *12.7*	1-7/32 *31.0*

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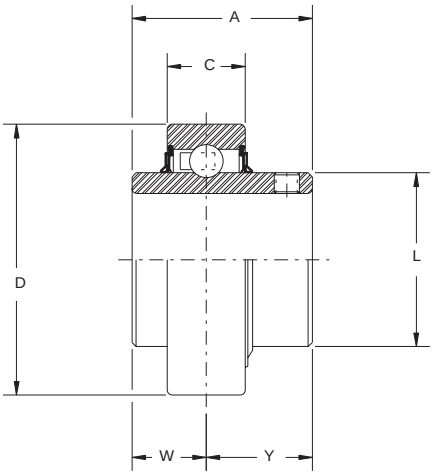
SELECTION/DIMENSIONS

Setscrew Ball Bearings

CC BALL BEARING FAN AND BLOWER INSERTS



Series	Shaft Size	Part No.	Description
205	15/16	**134161**	INS-CC-015
	1	**134162**	INS-CC-100
206	1-1/8	**134164**	INS-CC-102
	1-3/16	**134165**	INS-CC-103
207	1-1/4	**134166**	INS-CC-104
	1-3/8	**134168**	INS-CC-106
	1-7/16	**134169**	INS-CC-107
209	1-11/16	**134170**	INS-CC-111
	1-3/4	**134171**	INS-CC-112
210	1-15/16	**134172**	INS-CC-115
211	2-3/16	**134174**	INS-CC-203

Setscrew Ball Bearings

CC BALL BEARING FAN AND BLOWER INSERTS

Series	Shaft Size	Weight lbs.	A	Nominal C in/mm	Nominal D in/mm	L	W	Y
205	15/16 1	.54 .51	1-23/64	.5906 *15*	2.0472 *52*	1-5/16	9/16	51/64
206	1-1/8 1-3/16	.89 .83	1-9/16	.6299 *16*	2.4409 *62*	1-19/32	39/64	61/64
207	1-1/4 1-3/8 1-7/16	1.44 1.26 1.20	1-49/64	.6693 *17*	2.8346 *72*	1-27/32	21/32	1-7/64
209	1-11/16 1-3/4	1.87 1.82	2-1/32	.7480 *19*	3.3465 *85*	2-9/32	51/64	1-15/64
210	1-15/16	2.18	2-3/32	.7874	3.5433	2-15/32	53/64	1-17/64
211	2-3/16	2.88	2-1/4	.8268 *21*	3.9370 *100*	2-3/4	27/32	1-13/32

The insert is relubricated through the back seal area of the bearing.

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MODIFICATIONS/ ACCESSORIES

DODGE®

Setscrew Ball Bearings

LUBRICANTS

DODGE ball bearings are factory lubricated with a lithium complex base lubricant. For applications where extreme ambient temperatures or speeds are anticipated or environmental considerations require a different lubricant, DODGE has a wide variety of lubricants available. Special lubricant options usually require set-up charges and premiums.

SEALS

The PROGUARD PLUS seal is a highly effective positive contact, land riding seal with flingers pressed on to each side of the inner ring offering added protection from wash down or extreme contamination. For high speeds or where seal drag would be an impediment, an all metallic labyrinth seal is available.

HIGH TEMPERATURE

DODGE high temperature bearings are designed to operate in temperatures from 225˚F (108˚C) to 400˚F (205˚C). The bearings have adjusted internal clearances, metallic labyrinth seals, high temperature retainers, heat stabilized outer rings, and lubricants to meet the temperature needs of the application. To insure proper replacement, the bearing is identified by a six digit part number etched on a stainless steel nameplate riveted to the housing. The part number identifies the specific feature of the bearing. High temperature bearings are factory assembled to order and are available at extra cost. Consult Dodge Engineering for application assistance at (864)284-5700 or fax (864) 281-2317.

AIR HANDLING

Industrial fans and blowers generally operate at high speeds with bearing requirements of long life and quiet operation. Dodge stocks SC, and SCM Air Handling Pillow Blocks and flange bearings that are specifically designed to meet the requirements of the air handling industry. These bearings are 100% noise tested, and have an air handling fit for long life and quiet operation. These bearings are recommended for fan and blower applications. Sizes and housing configurations not listed can be supplied on a made to order basis.

HOUSING MATERIAL

For extra corrosion resistance, a variety of housing finishes are available. Special materials include stainless steel or polymer housing, as an option. These coatings conform to U.S.D.A. and F.D.A. requirements. SC and SCM inserts can be supplied with a corrosion resistant coating on the inner and outer rings, stainless steel balls and set-screws, and nickel plated flingers as well as F.D.A. lubricant.

OTHER MODIFICATIONS

For applications requiring modifications not listed, we encourage you to contact our Customer Order Engineering Department at (864)284-5700 or fax (864)281-2317.

DODGE®

Setscrew Ball Bearings

HIGH TEMPERATURE SC & SCM BALL BEARINGS

Series	Shaft Size	Pillow Blocks		2 Bolt Flanges		4 Bolt Flanges	
		Part No.	Description	Part No.	Description	Part No.	Description
204	1/2	@	P2B-SC-008L-HT	**054843**	F2B-SC-008L-HT	@	F4B-SC-008L-HT
	5/8	@	P2B-SC-010L-HT	**057474**	F2B-SC-010L-HT	**067710**	F4B-SC-010L-HT
	3/4	**053670**	P2B-SC-012-HT	**052618**	F2B-SC-012-HT	**058263**	F4B-SC-012-HT
	20 mm	@	*P2B-SC-20M-HT*	@	*F2B-SC-20M-HT*	@	*F4B-SC-20M-HT*
205	7/8	@	P2B-SC-014-HT	**051906**	F2B-SC-014-HT	@	F4B-SC-014-HT
	15/16	@	P2B-SC-015-HT	**056864**	F2B-SC-015-HT	**054190**	F4B-SC-015-HT
	1	**051513**	P2B-SC-100-HT	**052294**	F2B-SC-100-HT	**052015**	F4B-SC-100-HT
	25 mm	@	*P2B-SC-25M-HT*	***059821***	*F2B-SC-25M-HT*	@	*F4B-SC-25M-HT*
206	1	**054782**	P2B-SCM-100-HT	@	F2B-SCM-100-HT	@	F4B-SCM-100-HT
	1-1/8	@	P2B-SC-102-HT	**062877**	F2B-SC-102-HT	**068290**	F4B-SC-102-HT
	1-3/16	**053169**	P2B-SC-103-HT	**052604**	F2B-SC-103-HT	**054419**	F4B-SC-103-HT
	1-1/4	**062829**	P2B-SC-104S-HT	@	F2B-SC-104S-HT	**049462**	F4B-SC-104S-HT
	30 mm	@	*P2B-SC-30M-HT*	@	*F2B-SC-30M-HT*	***054534***	*F4B-SC-30M-HT*
206 (SCU)	1-1/8	@	P2B-SCU-102-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	1-3/16	**059737**	P2B-SCU-103-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	1-1/4	**057847**	P2B-SCU-104S-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	30 mm	@	*P2B-SCU-30M-HT*	- - - - - -	- - - - - -	- - - - - -	- - - - - -
207	1-3/16	**054314**	P2B-SCM-103-HT	@	F2B-SCM-103-HT	@	F4B-SCM-103-HT
	30mm	@	*P2B-SCM-30M-HT*	***059673***	*F2B-SCM-30M-HT*	@	*F4B-SCM-30M-HT*
	1-1/4	**058262**	P2B-SC-104-HT	**052311**	F2B-SC-104-HT	**051826**	F4B-SC-104-HT
	1-3/8	@	P2B-SC-106-HT	@	F2B-SC-106-HT	**068185**	F4B-SC-106-HT
	1-7/16	**050189**	P2B-SC-107-HT	**054300**	F2B-SC-107-HT	**052540**	F4B-SC-107-HT
	1-7/16	**052531**	P2B-SCB-107-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	35 mm	@	*P2B-SC-35M-HT*	@	*F2B-SC-35M-HT*	***058690***	*F4B-SC-35M-HT*
208	1-7/16	**054276**	P2B-SCM-107-HT	@	F2B-SCM-107-HT	**054342**	F4B-SCM-107-HT
	1-1/2	**057338**	P2B-SC-108-HT	**054203**	F2B-SC-108-HT	**051827**	F4B-SC-108-HT
	1-5/8	@	P2B-SC-110-HT	@	F2B-SC-110-HT	**058194**	F4B-SC-110-HT
	40 mm	***062572***	*P2B-SC-40M-HT*	@	*F2B-SC-40M-HT*	@	*F4B-SC-40M-HT*

@ Assembled to order.

RELATED PRODUCTS

DODGE®

Setscrew Ball Bearings

HIGH TEMPERATURE SC & SCM BALL BEARINGS

Series	Shaft Size	Pillow Blocks		2 Bolt Flanges		4 Bolt Flanges	
		Part No.	Description	Part No.	Description	Part No.	Description
209	1-1/2	**058380**	P2B-SCM-108-HT	**054203**	F2B-SCM-108-HT	**064557**	F4B-SCM-108-HT
	1-5/8	@	P2B-SC-110L-HT	@	F2B-SC-110L-HT	@	F4B-SC-110L-HT
	1-11/16	**053563**	P2B-SC-111-HT	@	F2B-SC-111-HT	**057212**	F4B-SC-111-HT
	1-11/16	**058619**	P2B-SCB-111-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	1-3/4	@	P2B-SC-112-HT	**062157**	F2B-SC-112-HT	**051825**	F4B-SC-112-HT
	45 mm	@	*P2B-SC-45M-HT*	@	*F2B-SC-45M-HT*	@	*F4B-SC-45M-HT*
210	1-11/16	**054315**	P2B-SCM-111-HT	@	F2B-SCM-111-HT	**054593**	F4B-SCM-111-HT
	1-3/4	@	P2B-SCM-112-HT	**057114**	F2B-SCM-112-HT	**057368**	F4B-SCM-112-HT
	1-15/16	**052047**	P2B-SC-115-HT	@	F2B-SC-115-HT	**052048**	F4B-SC-115-HT
	1-15/16	**052532**	P2B-SCB-115-HT	- - - - - -	- - - - - -	- - - - - -	- - - - - -
	2	**058183**	P2B-SC-200-HT	**062309**	F2B-SC-200-HT	**057132**	F4B-SC-200-HT
	50 mm	@	*P2B-SC-50M-HT*	***062779***	*F2B-SC-50M-HT*	***068066***	*F4B-SC-50M-HT*
211	1-15/16	**052276**	P2B-SCM-115-HT	@	F2B-SCM-115-HT	**057363**	F4B-SCM-115-HT
	2	**054934**	P2B-SCM-200-HT	@	F2B-SCM-200-HT	**054065**	F4B-SCM-200-HT
	2-3/16	**053955**	P2B-SC-203-HT	**059954**	F2B-SC-203-HT	**058852**	F4B-SC-203-HT
	2-1/4	@	P2B-SC-204-HT	@	F2B-SC-204-HT	**054918**	F4B-SC-204-HT
	55mm	@	*P2B-SC-55M-HT*	@	*F2B-SC-55M-HT*	***049894***	*F4B-SC-55M-HT*
212	2-3/16	**054412**	P2B-SCM-203-HT	@	F2B-SCM-203-HT	@	F4B-SCM-203-HT
	2-1/4	@	P2B-SCM-204-HT	@	F2B-SCM-204-HT	**067830**	F4B-SCM-204-HT
	2-7/16	**059614**	P2B-SC-207-HT	@	F2B-SC-207-HT	**057487**	F4B-SC-207-HT
	60 mm	***057800***	*P2B-SC-60M-HT*	***057800***	*F2B-SC-60M-HT*	***057801***	*F4B-SC-60M-HT*
214	2-7/16	**054316**	P2B-SCM-207-HT	- - - - - -	- - - - - -	**054917**	F4B-SCM-207-HT
	2-1/2	@	P2B-SCM-208-HT	- - - - - -	- - - - - -	**056630**	F4B-SCM-208-HT
	2-11/16	**067774**	P2B-SC-211-HT	- - - - - -	- - - - - -	@	F4B-SC-211-HT
	70 mm	@	*P2B-SC-70M-HT*	- - - - - -	- - - - - -	@	*F4B-SC-70M-HT*
215	2-15/16	**056588**	P2B-SC-215-HT	- - - - - -	- - - - - -	**052550**	F4B-SC-215-HT
	75 mm	@	*P2B-SC-75M-HT*	- - - - - -	- - - - - -	@	*F4B-SC-75M-HT*
216	2-15/16	**054556**	P2B-SCM-215-HT	- - - - - -	- - - - - -	**052478**	F4B-SCM-215-HT
	3	@	P2B-SCM-300-HT	- - - - - -	- - - - - -	**059696**	F4B-SCM-300-HT
	75mm	@	*P2B-SCM-75M-HT*	- - - - - -	- - - - - -	***062182***	*F4B-SCM-75M-HT*
218	3-7/16	**049991**	P2B-SCM-307-HT	- - - - - -	- - - - - -	**057708**	F4B-SCM-307-HT
	3-1/2	@	P2B-SCM-308-HT	- - - - - -	- - - - - -	***058633***	F4B-SCM-308-HT

@ Assembled to order.

DODGE®

Setscrew Ball Bearings

HIGH TEMPERATURE SC & SCM BALL BEARINGS

Series	Shaft Size	Tapped Base Pillow Blocks		Flanged Bracket	
		Part Number	Description	Part Number	Description
204	3/4	**059636**	TB-SC-012-HT	@	FB-SC-012-HT
205	1	**057906**	TB-SC-100-HT	@	FB-SC-100-HT
207	1-1/4	@	TB-SC-104-HT	**056578**	FB-SC-104-HT
211	2-3/16	**050555**	TB-SC-203-HT		

Series	Shaft Size	Non Expansion Pillow Blocks		Expansion Pillow Blocks	
		Part Number	Description	Part Number	Description
206	1-3/16	- - - - - -	- - - - - - - - - -	**054063**	P2B-SCH-103-EHT
207	1-7/16	**053894**	P2B-SCH-107-HT	**053895**	P2B-SCH-107-EHT

Series	Shaft Size	Piloted Flanges	
		Part Number	Description
206	1	**058652**	FC-SCM-100-HT
208	1-1/2	**053871**	FC-SC-108-HT
	1-1/2	**057683**	FC-SCM-108-HT
211	1-15/16	**058915**	FC-SCM-115-HT
	2-1/4	**058233**	FC-SC-204-HT
212	2-7/16	**058738**	FC-SC-207-HT
	55 mm	**054837**	FC-SCM-55M-HT
216	2-15/16	**054831**	FC-SCM-215-HT
	3	**056911**	FC-SCM-300-HT
218	3-7/16	**068239**	FC-SCM-307-HT

Series	Shaft Size	Wide Slot Take-up		Narrow Slot Take-up	
		Part Number	Description	Part Number	Description
210	1-15/16	**057265**	WSTU-SC-115-HT	**054580**	NSTU-SC-115-HT
211	55 mm	**049893**	WSTU-SC-55M-HT	@	NSTU-SC-55M-HT
	1-15/16	**049891**	WSTU-SCM-115-HT	@	NSTU-SCM-115-HT
212	2-7/16	**057839**	WSTU-SC-207-HT	@	NSTU-SC-207-HT
214	2-7/16	**049811**	WSTU-SCM-207-HT	@	- - - - - - -
215	2-15/16	**059844**	WSTU-SC-215-HT	@	- - - - - - -

@ Assembled to order.

RELATED PRODUCTS

DODGE Ball Bearing End Covers*

- Fits all styles of DODGE cast iron housed ball bearings.: Pillow Blocks, 2 and 4 Bolt Flanges, and Take-Up bearings
- Injected molded, impact resistant, OSHA safety yellow end covers meet requirements for exposed rotating shaft
- Stainless steel “C” washer for gripping power
- No modification or machining of existing housings required
- Concentric knockout grooves on inside of end cover for thru-shaft
- DODGE six digit part number and description embossed inside
- Operating temperature to 250° F
- For non relubricable/sealed for life applications (-NL), part number **430020** hex head plug is available

Nomenclature

EC - 205 - P

- P: “Blank” fits all housing styles as noted; P = Pillow Blocks, including tapped base; X = All other housing styles as noted
- 205: IOS & ABMA ring size
- EC: End Cover

FEATURES/BENEFITS PAGE B3-2	NOMENCLATURE PAGE B3-4	SELECTION/DIMENSION PAGE B3-10	MODIFICATION/ACCESSORIES PAGE B3-132

RELATED PRODUCTS

DODGE Ball Bearing End Covers*

Series	Pillow Blocks Std, U, B	Tapped Base PB	2 Bolt Flange	Flanged Bracket	4 Bolt Flange	Piloted Flange (FC)	Narrow Slot Take-Up	Wide Slot Take-Up
203	X		X		X			
204	X	X	X	X	X		X	X
205	X	X	X	X	X		X	X
206	X	X	X	X	X	@	X	X
207	X	X	X	X	X	@	X	X
208	X	X	X		X	@	X	X
209	X	X	X		X	@	X	X
210	X	X	X	X	X	@	X	X
211	X	X	X		X	NA	X	X
212	X		X		X	NA	X	X
214	X				X	NA		X
215	X				X			X
216	X				X	X		X
218	X				X	X		

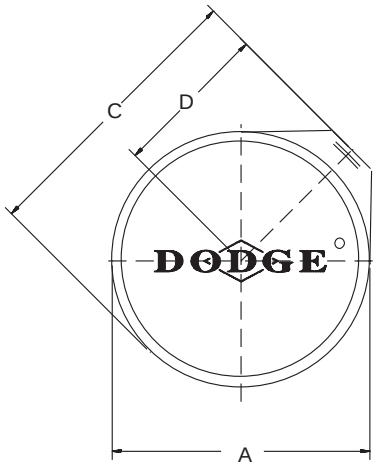
* = Will not fit LF, LFT, SCHB, HNGR & CYL
@ = Some modification required

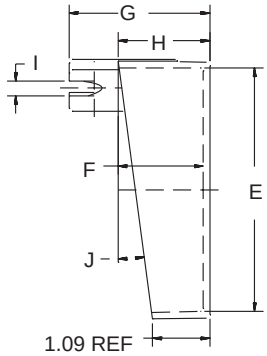
NA = Will not fit
X = Will fit

RELATED PRODUCTS

DODGE Ball Bearing End Covers*

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS





Series	Shaft Size*		Part Number	Description
	SC, VSC, DL, SXR, SXV	SCM, DLM, SCH, SXRH, DLH		
203	1/2 & 5/8 *17mm*	- - - - -	**128200**	EC-203-P
204	1/2 - 3/4 *20mm*	- - - - -	**128202**	EC-204-P
205	7/8 - 1 *25mm*	- - - - -	**128204**	EC-205-P
206	1-1/16 - 1-1/4 *30mm*	1 *25mm*	**128206**	EC-206-P
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	**128208**	EC-207-P
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	**128210**	EC-208-P
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	**128212**	EC-209-P
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	**128214**	EC-210-P
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128216**	EC-211-P
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	**128218**	EC-212-P

*NOTE: SCH, SXRH, and DLH use the next larger end cover. E.g. A P2B-DLH-103 would use a EC-207-P.

For no re-lube (_NL) applications, part number 430030, hex head plus is available

DODGE®

DODGE Ball Bearing End Covers*

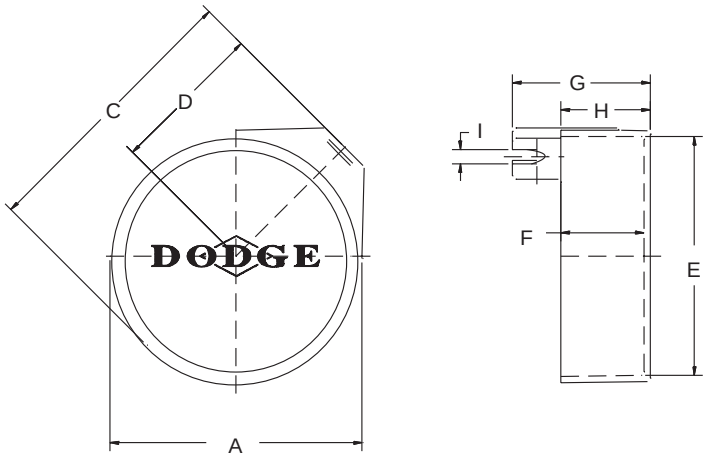
BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size*		A	B	C	D	E	F	G	H	I	J
	SC, VSC, DL, SXR, SXV	SCM, DLM, SCH, SXRH, DLH										
203	1/2 & 5/8 *17mm*	- - - - -	1-25/32 *45.2*	1-43/64 *42.4*	2-7/64 *53.6*	1-3/32 *27.7*	1-41/64 *41.7*	49/64 *19.56*	1-29/64 *37.1*	29/32 *22.9*	1/4 *6.4*	9°
204	1/2 - 3/4 *20mm*	- - - - -	2-3/64 *52.0*	1-27/32 *46.7*	2-37/64 *65.3*	1-19/64 *33.0*	1-55/64 *47.2*	1-1/64 *25.65*	1-49/64 *45.0*	1-5/32 *29.5*	5/16 *7.9*	11°
205	7/8 - 1 *25mm*	- - - - -	2-3/8 *60.2*	2-3/16 *55.6*	2-13/16 *71.4*	1-3/16 *35.0*	2-5/32 *54.9*	1-1/16 *26.92*	1-7/8 *47.8*	1-7/32 *31.0*	11/32 *8.6*	9°
206	1-1/16 - 1-1/4 *30mm*	1 *25mm*	2-47/64 *69.3*	2-17/32 *64.3*	3-21/64 *84.3*	1-45/64 *43.2*	2-1/2 *63.5*	1-15/64 *31.5*	2-5/32 *54.9*	1-13/32 *35.6*	23/64 *8.9*	9°
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	3-1/4 *82.6*	3 *76.20*	3-51/64 *96.3*	1-29/32 *48.5*	3-1/64 *76.7*	1-5/16 *33.27*	2-11/32 *59.4*	1-31/64 *37.6*	3/8 *9.4*	7° 3’
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	3-3/8 *85.9*	3-1/8 *79.5*	4 *101.60*	2-1/16 *52.3*	3-7/64 *79.0*	1-19/64 *33.02*	2-13/32 *61.0*	1-1/2 *38.1*	27/64 *10.7*	6°
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	3-11/16 *93.7*	3-15/32 *88.1*	4-17/64 *108.2*	2-11/64 *55.1*	3-13/32 *86.6*	1-21/64 *33.78*	2-21/64 *59.2*	1-17/32 *38.9*	25/64 *9.9*	7°
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	3-7/8 *98.6*	3-37/64 *90.9*	4-1/2 *114.3*	2-19/32 *59.2*	3-37/64 *90.9*	1-23/64 *34.29*	2-1/2 *63.5*	1-9/16 *39.6*	31/64 *12.5*	9°
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	4-27/64 *12.3*	4 *101.60*	5-1/16 *128.5*	2-19/32 *66.0*	4-1/8 *104.7*	1-13/32 *35.81*	2-37/64 *65.3*	1-5/8 *41.2*	29/64 *11.4*	7°
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	4-59/64 *125.0*	4-15/32 *113.3*	5-29/64 *138.7*	2-3/4 *69.9*	4-39/64 *117.1*	1-17/32 *38.86*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.4*	8°

RELATED PRODUCTS

DODGE Ball Bearing End Covers*

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS



Series	Shaft Size*		Part Number	Description
	SC, VSC, DL,SXR, SXV	SCM & DLM		
203	1/2 & 5/8 *17mm*	- - - - - - - - - -	**128201**	EC-203-X
204	1/2 - 3/4 *20mm*	- - - - - - - - - -	**128203**	EC-204-X
205	7/8 - 1 *25mm*	- - - - - - - - - -	**128205**	EC-205-X
206	1-1/16 - 1-1/4 *30mm*	1 *25mm*	**128207**	EC-206-X
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	**128209**	EC-207-X
208	1-1/2 - 1-5/8 *40mm*	1-7/1 *35mm*	**128211**	EC-208-X
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	**128213**	EC-209-X
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	**128215**	EC-210-X
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128217**	EC-211-X
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	**128219**	EC-212-X

***NOTE:** Above end covers will not fit the LF and LFT bearings
For no re-lube (_NL) applications, part number 430030, hex head plus is available

DODGE Ball Bearing End Covers*

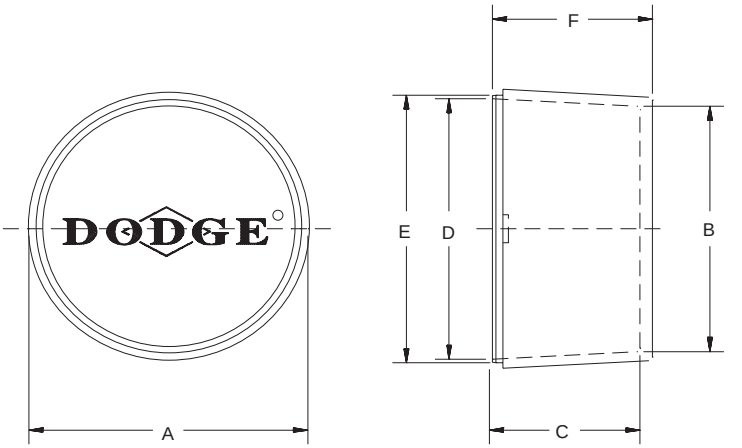
BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size*		Weight lbs *gm*	A	B	C	D	E	F	G	H	I
	SC, VSC, DL,SXR, SXV	SCM & DLM										
203	1/2 & 5/8	- - - - -	0.02	1-51/64	1-43/64	2-13/64	1-3/16	1-41/64	51/64	1-29/64	15/16	1/4
	17mm	- - - - -	*1*	*45.5*	*42.4*	*56.1*	*30.2*	*41.7*	*20.3*	*37.1*	*23.9*	*6.4*
204	1/2 - 3/4	- - - - -	0.03	2-7/32	2	2-47/64	1-25/64	2-1/32	1-1/64	1-13/16	1-5/32	5/16
	20mm	- - - - -	*15*	*56.1*	*50.8*	*69.6*	*35.3*	*51.6*	*25.7*	*45.7*	*29.5*	*7.9*
205	7/8 - 1	- - - - -	0.05	2-3/8	2-3/16	3-3/64	1-19/32	2-5/32	1-1/64	1-53/64	1-11/64	11/32
	25mm	- - - - -	*24*	*60.2*	*55.6*	*77.2*	*40.6*	*54.9*	*25.7*	*46.5*	*29.7*	*8.7*
206	1-1/16 - 1-1/4	1	0.08	2-47/64	2-17/32	3-21/64	1-45/64	2-1/2	1-3/16	2-1/16	1-23/64	23/64
	30mm	*25mm*	*36*	*69.3*	*64.3*	*84.3*	*43.2*	*63.5*	*30.2*	*52.3*	*34.5*	*8.9*
207	1-1/4 - 1-7/16	1-3/16 & 1-1/4	0.12	3-1/4	3	3-27/32	1-31/32	3-1/64	1-11/32	2-11/32	1-17/32	3/8
	35mm	*30mm*	*53*	*82.6*	*76.2*	*97.5*	*50.0*	*76.7*	*34.5*	*59.4*	*38.9*	*9.4*
208	1-1/2 - 1-5/8	1-7/16	0.14	3-3/8	3-1/8	4	2-1/16	3-7/64	1-19/64	2-13/32	1-1/2	27/64
	40mm	*35mm*	*64*	*85.9*	*79.5*	*101.60*	*52.3*	*79.0*	*33.0*	*61.0*	*38.1*	*10.7*
209	1-5/8 - 1-3/4	1-1/2	0.16	3-11/16	3-15/32	4-17/64	2-11/64	3-13/32	1-23/64	2-21/64	1-17/32	25/64
	45mm	*40mm*	*73*	*93.7*	*88.1*	*108.2*	*55.1*	*86.6*	*34.3*	*59.2*	*38.9*	*9.9*
210	1-15/16 & 2	1-11/16 & 1-3/4	0.18	3-7/8	3-37/64	4-1/2	2-21/64	3-9/16	1-23/64	2-33/64	1-9/16	31/64
	50mm	*45mm*	*82*	*98.6*	*90.9*	*114.3*	*59.2*	*90.9*	*34.3*	*63.8*	*39.6*	*12.4*
211	2 - 2-1/4	1-15/16 & 2	0.24	4-27/64	4	5-1/16	2-19/32	4-1/8	1-29/64	2-37/64	1-21/32	29/64
	55mm	*50mm*	*108*	*112.3*	*101.6*	*128.5*	*66.0*	*104.7*	*36.8*	*65.3*	*42.2*	*11.4*
212	2-1/4 - 2-7/16	2-3/16 - 2-1/4	0.27	4-59/64	4-15/32	5-15/32	2-3/4	4-39/64	1-35/64	2-11/16	1-3/4	13/32
	60mm	*55mm*	*124*	*125*	*113.3*	*138.7*	*69.9*	*117.1*	*39.1*	*68.3*	*44.5*	*10.4*

RELATED PRODUCTS

DODGE Ball Bearing End Covers*

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER



Series	Shaft Size		Part Number	Description
	SC, VSC, DL, SXR, SXV, SCH-E,SXRH-E, DLH-E	SC, VSC, DL, SCM & DLM		
214	2-1/2 & 2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	**480037**	EC-080
215	2-15/16 *75mm*	2-11/16 *70mm*	**480455**	EC-090
216	- - - - - - - - - -	2-15/16 & 3 *75mm*	**480456**	EC-100
218	- - - - - - - - - -	3-7/16 & 3-1/2 *85mm*	**480457**	EC-110

DODGE®

DODGE Ball Bearing End Covers*

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER

Series	Shaft Size		Weight lbs *gm*	A	B	C	D	E	F
	SC, VSC, DL, SXR, SXV, SCHSXRH, DLH	SC, VSC, DL, SCM & DLM							
214	2-1/2 & 2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	0.33 *151*	4-15/16 *125.5*	4-7/16 *112.8*	2-39/64 *66.3*	4-39/64 *117.1*		2-53/64 *71.9*
215	2-15/16 *75mm*	2-11/16 *70mm*	0.36 *164*	5-3/32 *129.3*	4-49/64 *120.9*	2-29/64 *62.5*	4-3/4 *120.7*		2-7/8 *72.9*
216	- - - - - - - - - -	2-15/16 & 3 *75mm*	0.44 *201.00*	5-9/16 *141.2*	5-15/64 *132.8*	2-47/64 *69.6*	5-13/64 *132.1*	*135.9-*	2-63/64 *75.7*
218	- - - - - - - - - -	3-7/16 & 3-1/2 *85mm*	0.57 *257*	6-5/16 *160.3*	5-29/32 *149.9*	2-27/32 *72.1*	5-15/16 *150.6*		3-3/32 *78.5*

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FEATURES/BENEFITS

Eccentric Collar Ball Bearings

For more than 70 years, DODGE® has been talking to mounted bearing users and listening to their needs. This experience led to design of the optimum mounted ball bearings.

The result is the DODGE SXR/SXV/SLX line is the most current eccentric collar mounted ball bearing design on the market and provides the user unmatched quality and true total value.

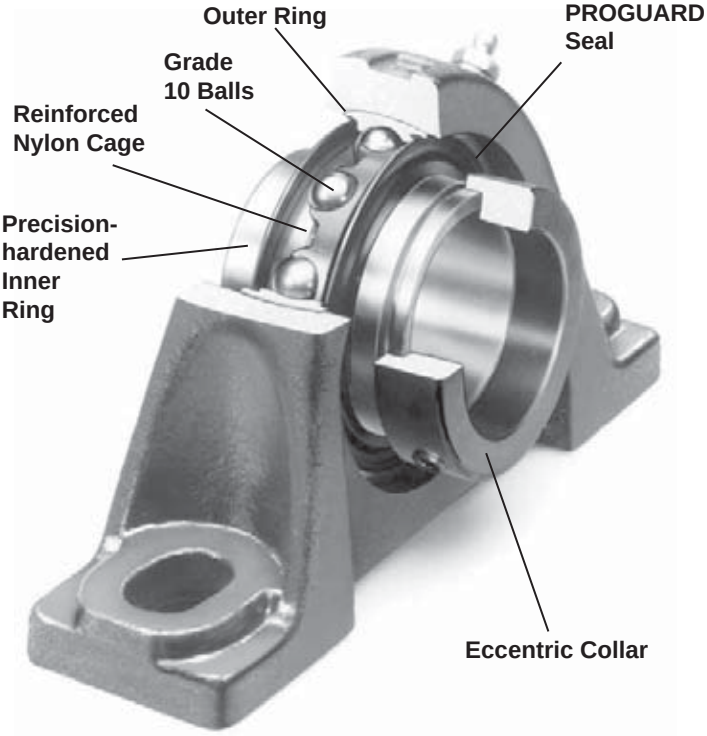
The DODGE eccentric ball bearing is manufactured at the state-of-the-art DODGE bearing plant in Rogersville, Tennessee - an ISO 9002 certified plant.

- Precision-hardened inner ring
- Light Duty Narrow Inner Ring (SLX)
- Intermediate Duty Narrow Inner Ring (SXV)
- Normal-Duty Wide Inner Ring (SXR)
- Eccentric collar locking system
- DODGE PROGUARD™ land-riding, positive contact seal
- Stronger, flexible ball cage
- Simplified anti-rotation device
- Wide variety of housing configurations
- Available in 1/2" to 2-15/16", 17 to 75mm bore sizes
- SXR Seal options:
  - flingers
  - low torque labyrinth
- Other options:
  FDA/USDA lubricant and other special lubricants

DODGE End Covers
Available from stock to fit SXR and SXV mounted units, these end covers are designed for added protection from containments as well as for OSHA requirements. Covers are OSHA yellow.

DODGE Self-Locking Collar

The inner ring of the bearing is locked to the shaft by a quarter-turn of the eccentric collar in the direction of shaft rotation. The collar is secured in place with a single setscrew.



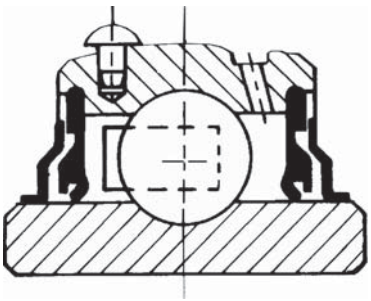
Eccentric Collar Ball Bearings

Flingers

DODGE PROGUARD™ Seal

DODGE SXR/SXV/SLX mounted ball bearings use the PROGUARD land-riding contact seal with steel shield protection. This highly effective, positive seal design assures uniform lip contact with the inner ring to seal out contaminants and seal in lubricants

DODGE PROGUARD PLUS® SEAL



On SXR bearings, optional flingers can be added to form a tight labyrinth with the PROGUARD Seal and provide additional seal protection against contaminants and debris.

Stronger Flexible Cage

The ball cage is made of heat-stabilized nylon with 33% fill short fiberglass reinforcement for added strength. The nylon material provides a natural lubricity for longer life. Fiberglass reinforcement allows higher operating temperatures than plain nylon, yet it is more resistant to fatigue than metallic cages.

Short fiberglass allows greater flexibility than steel or normal fiberglass, especially under misalignment. That means longer life in mounted bearings where some degree of misalignment is unavoidably encountered.

Anti-Rotation Pin

An anti-rotation pin prevents rotation of the outer race within the housing.

Simple and effective, it makes system inserts easier to replace. There is no need to remove and replace grease fittings, location pins or other devices.

Wide Variety Of Housing Configurations

DODGE provides a wide variety of durable eccentric mounted ball bearings. Housing configurations include:

- Pillow blocks (2-bolt and tapped base)
- Flange bearings (2- and 4-bolt)
- Hanger bearings
- Cylindrical units
- Take-up bearings
- Take-up frames

In Stock Near You

The complete line of DODGE mounted ball bearings is available at your local authorized DODGE distributor. For more information, check the yellow pages for your local distributor, call (864) 297-4800 or fax (864)-281-2318.

NOMENCLATURE

Eccentric Collar Ball Bearings

Nomenclature

P2B - SXR - 104 - NL

- **NL** — Modification or feature
  - E = Expansion
  - FF = ProGard Plus seals (with Flingers)
  - HT = High Temperature option (400° F maximum)
  - LL = Low torque labyrinth seal
  - MOD = Modified
  - NL = No Lube (sealed for life)
  - RL = Relube (used with SLX flanges)
- **104** — Shaft size
  - Inches:
    - First digit = Number of inches
    - Second & third digits = Number of sixteenths of an inch
      - 104 = Indicates 1-4/16 or 1-1/4
    - S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
    - L = Next larger ring size. E.g. 1/2 204 would be written as 008L
  - Metric:
    - First two digits = number of millimeters
    - M = Metric
- **SXR** — Bearing type:
  - SLX = Narrow inner ring, light duty, stamped steel housing, Eccentric locking Collar
  - SXR = Wide inner ring, normal duty, Eccentric locking Collar
  - SXV = Narrow inner ring, intermediate duty, Eccentric locking Collar
  - Suffixes to the above:
    - B = Low backing height pillow block
    - H = High backing height (used with non-expansion and expansion units)
    - U = Higher back pillow block (for interchangeability with competitor pillow blocks)
- **P2B** — Housing:
  - CYL = Cylindrical Unit
  - F2B = 2 bolt flange
  - F2BZ = 2 bolt flange with pilot machined on the back side
  - F3B = 3 bolt flange
  - F4B = 4 bolt flange
  - FB = Flange bracket
  - FC = Flanged cartridge (piloted flange)
  - F&B = Fan and blower pillow block
  - HNG = Hanger bearing
  - LF = 3 bolt light duty flange
  - LFT = 2 bolt light duty flange
  - NSTU = Narrow slot take-up
  - P2B = 2 bolt base pillow block
  - SCHB = Screw conveyor hanger bearing
  - TB = Tapped base pillow block
  - TP = Top angle take-up
  - WSTU = Wide slot take-up

Eccentric Collar Ball Bearings

DODGE mounted ball bearings are primarily designed for radial loading. However, they have the capacity to carry thrust loads and combined radial/thrust loads. The maximum recommended load which can be applied is limited by various components in the system, such as bearing, housing, shaft attachments, speed and life requirements. DODGE mounted ball bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Engineering for applications which exceed these recommendations.

Select a bearing from the Selection Chart that has a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial load for a desired L10 life. This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L_{10} Hours Life-is the life which may be expected for at least 90% of a given group of bearings operating under identical conditions. For an L_{10} hours life other than those listed in the Selection Chart, multiply the equivalent Radial load by one of the following factors. For 50,000 L_{10} hours life, use a factor of 1.18 and for 80,000, use 1.39. Then select a bearing from the bold face (30,000) L10 ratings only in the Selection Chart that has a rating equal to or greater than this value.

Heavy Service-For heavy shock loads, frequent shock loads or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult Application Engineering for additional selection assistance.

A thrust load value of C/10 is recommended as a guide for general applications and will give adequate L_{10} life. Where substantial radial load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices, such as sheer bars, are advisable for side or end-loading of pillow blocks and radial loads for flange units.

To determine the L_{10} hours life for loads and RPM's not listed use the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^3 \times \frac{16667}{RPM}$$

Where:

L_{10} = Life, hours

C = Dynamic Capacity, lbs. or N

P = Equivalent Radial Load, lbs. or N

When the load on a ball bearing is solely a radial load with no thrust (axial) load, the Equivalent Radial Load (P) is equal to the actual radial load. However, when a thrust (axial) load is applied, the radial and thrust loads applied must be converted into an Equivalent Radial Load. The use of the X (radial factor) and Y (thrust factor) from Table 1 convert the actual applied thrust and radial loads to an Equivalent Radial Load which has the same effect on the life of a bearing as a radial load of this magnitude.

$P = (X \times FR) + (Y \times FA)$

Where:

P = Equivalent Radial Load, lbs.
F_R = Radial load, lbs.
F_A = Thrust load, lbs.
e = Thrust load to radial load factor (Table 1)
X = Radial load factor (Table 1)
Y = Thrust factor (Table 1)
C_0 = Basic static capacity

To find X and Y, first calculate F_A/C_0 to determine e. Calculate F_A/F_R and compare to e to determine the X and Y factors to use from Table 1 .

Substitute all known values into the Equivalent Radial Load equation. The Equivalent Radial loads (P) thus determined can be used in the L_{10} life formula or compared to the allowable Equivalent Radial Load rating desired in the expanded rating chart to select a bearing (Table 2).

If calculated value of P is less than F_R, use $P=F_R$.

Table 1

FA Co	e	Radial/thrust Factors			
		If FA/FR is equal to or less than e		If FA/FR is greater than e	
		FA/FR <= e		FA/FR > e	
		X	Y	X	Y
.014	.19	1	0	.56	2.30
.021	.21	1	0	.56	2.15
.028	.22	1	0	.56	1.99
.042	.24	1	0	.56	1.85
.056	.26	1	0	.56	1.71
.070	.27	1	0	.56	1.63
.084	.28	1	0	.56	1.55
.110	.30	1	0	.56	1.45
.170	.34	1	0	.56	1.31
.280	.38	1	0	.56	1.15
.420	.42	1	0	.56	1.04
.560	.44	1	0	.56	1.00

Lubrication-DODGE Ball Bearings are lubricated at the factory and are ready to run. The bearings are initially lubricated with a lithium complex base grease and should be relubricated with the same or some equivalent. For high speeds, high loads, extreme temperatures and other abnormal operating conditions, special greases may be required. Contact DODGE Application Engineering for recommendations on these types of applications.
Misalignment-DODGE Ball Bearings are designed to allow a maximum of w2- static misalignment. These bearings are not suitable for dynamic misalignment. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Shaft Tolerances		
Normal Shaft Size Inches	Commercial Shaft Tolerances Inches	Recommended Shaft Tolerances Eccentric Lock Ball Bearings Inches
Up to 1-1/2	+0.000 -0.002	+0.0000 -0.0005
Over 1-1/2 to 2-1/2	+0.000 -0.003	+0.0000 -0.0010
Over 2-1/2 to 4	+0.000 -0.004	+0.0000 -0.0010

SELECTION

DODGE®

Eccentric Collar Ball Bearings - Inch

Table 2: Easy Selection Table For Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE SXR,SXV, SLX	DYNAMIC CAPACITY (lbs)	STATIC CAPACITY Co (lbs)	L_{10} LIFE, HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (LBS.) AT VARIOUS RPM*							
					50	150	250	500	750	1000	1500	1750
203	1/2 5/8	2,158	1,000	20,000	550	380	320	255	225	205	175	170
				30,000	480	335	280	225	195	175	155	145
				40,000	440	305	255	205	175	160	140	135
				60,000	380	265	225	175	155	140	125	115
				100,000	320	225	190	150	130	120	105	100
204	3/4	2,899	1,390	20,000	740	515	435	345	300	275	240	225
				30,000	645	450	380	300	260	240	210	200
				40,000	590	410	345	275	240	215	190	180
				60,000	515	355	300	240	210	190	165	155
				100,000	435	300	255	200	175	160	140	130
205	7/8 15/16 1	3,146	1,565	20,000	805	560	470	375	325	295	260	245
				30,000	705	485	410	325	285	260	225	215
				40,000	640	445	375	295	260	235	205	195
				60,000	560	385	325	260	225	205	180	170
				100,000	470	325	275	220	190	175	150	145
206	1-1/16 1-1/8 1-3/16 1-1/4	4,368	2,250	20,000	1115	775	655	520	455	410	360	340
				30,000	975	675	570	455	395	360	315	300
				40,000	885	615	520	410	360	325	285	270
				60,000	775	535	455	360	315	285	250	235
				100,000	655	455	380	305	265	240	210	200
207	1-1/4 1-5/16 1-3/8 1-7/16	5,759	3,065	20,000	1475	1020	860	685	595	545	475	450
				30,000	1285	890	755	595	520	475	415	395
				40,000	1170	810	685	545	475	430	375	355
				60,000	1020	710	595	475	415	375	330	310
				100,000	860	595	505	400	350	315	275	265
208	1-1/2	7,332	4,005	20,000	1875	1300	1095	870	760	690	605	575
				30,000	1640	1135	960	760	665	605	525	500
				40,000	1490	1030	870	690	605	550	480	455
				60,000	1300	900	760	605	525	480	420	400
				100,000	1095	760	640	510	445	405	355	335
209	1-5/8 1-11/16 1-3/4	7,891	4,450	20,000	2020	1400	1180	935	820	745	650	615
				30,000	1765	1225	1030	820	715	650	570	540
				40,000	1600	1110	935	745	650	590	515	490
				60,000	1400	970	820	650	570	515	450	430
				100,000	1180	820	690	550	480	435	380	360
210	1-15/16 2	7,891	4,450	20,000	2020	1400	1180	935	820	745	650	615
				30,000	1765	1225	1030	820	715	650	570	540
				40,000	1600	1110	935	745	650	590	515	490
				60,000	1400	970	820	650	570	515	450	430
				100,000	1180	820	690	550	480	435	380	360
211	2-3/16	9,755	5,630	20,000	2491	1727	1457	1156	1010	918	802	761
				30,000	2176	1509	1272	1010	882	802	700	665
				40,000	1977	1371	1156	918	802	728	636	604
				60,000	1727	1197	1010	802	700	636	556	528
				100,000	1457	1010	852	676	591	537	469	445
212	2-1/4 2-7/16	11,791	6,955	20,000	3015	2090	1765	1400	1225	1110	970	925
				30,000	2635	1825	1540	1225	1070	970	880	805
				40,000	2395	1660	1400	1110	970	880	770	730
				60,000	2090	1450	1225	970	850	770	675	640
				100,000	1765	1225	1030	820	715	650	570	540
215	2-15/16	14,872	9,255	20,000	3805	2640	225	1765	1545	1400	1225	1165
				30,000	3325	2305	1945	1545	1350	1225	1070	1015
				40,000	3020	2095	1765	1400	1225	1115	975	925
				60,000	2640	1830	1545	1225	1070	975	850	805
				100,000	2225	1545	1300	1035	905	820	715	680

* Slight interference fit required when operating in the shaded area

Eccentric Collar Ball Bearings - Metric

Table 2 (Continued): Easy Selection Table for Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE SXR, SXV, SLX	DYNAMIC CAPACITY C (lbs)	STATIC CAPACITY Co (lbs)	L_{10} LIFE, HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (LBS.) AT VARIOUS RPM*									
					2000	2500	3000	3500	4000	4500	5000	5500	6500	7500
203	1/2 5/8	2,158	1,000	20,000	160	150	140	135	130	125	120	115	110	105
				30,000	140	130	125	115	110	105	105	100	95	90
				40,000	130	120	110	105	100	95	95	90	85	80
				60,000	110	105	95	95	90	85	80	80	75	70
				100,000	95	85	80	80	75	70	70	65	65	60
204	3/4	2,899	1,390	20,000	215	200	190	180	170	165	160	155	145	140
				30,000	190	175	165	155	150	145	140	135	130	120
				40,000	170	160	150	145	135	130	125	125	115	110
				60,000	150	140	130	125	120	115	110	105	100	95
				100,000	125	115	110	105	100	90	95	90	85	80
205	7/8 15/16 1	3,146	1,565	20,000	235	220	205	195	185	180	175	170	160	150
				30,000	205	190	180	170	165	155	150	145	140	130
				40,000	185	175	165	155	150	140	135	135	125	120
				60,000	165	150	140	135	130	125	120	115	110	105
				100,000	135	125	120	115	110	105	100	100	95	90
206	1-1/16 1-1/8 1-3/16 1-1/4	4,368	2,250	20,000	325	305	285	270	260	250	240	235	220	
				30,000	285	265	250	235	225	220	210	205	195	
				40,000	260	240	225	215	205	200	190	185	175	
				60,000	225	210	200	190	180	175	165	160	155	
				100,000	190	175	165	160	150	145	140	135	130	
207	1-1/4 1-5/16 1-3/8 1-7/16	5,759	3,065	20,000	430	400	375	355	340	330	315	305		
				30,000	375	350	330	310	300	285	275	270		
				40,000	340	315	300	285	275	260	250	245		
				60,000	300	275	260	250	235	230	220	215		
				100,000	250	235	220	210	200	190	185	180		
208	1-1/2	7,332	4,005	20,000	550	510	480	455	435	420	405			
				30,000	480	445	420	400	380	365	355			
				40,000	435	405	380	360	345	330	320			
				60,000	380	355	330	315	300	290	280			
				100,000	320	300	280	265	255	245	235			
209	1-5/8 1-11/16 1-3/4	7,891	4,450	20,000	590	550	515	490	470	450	435			
				30,000	515	480	450	430	410	395	380			
				40,000	470	435	410	390	370	360	345			
				60,000	410	380	360	340	325	310	300			
				100,000	345	320	300	285	275	265	255			
210	1-15/16 2	7,891	4,450	20,000	590	550	515	490	470	450				
				30,000	515	480	450	430	410	395				
				40,000	470	435	410	390	370	360				
				60,000	410	380	360	340	325	310				
				100,000	345	320	300	285	275	265				
211	2-3/16	9,755	5,630	20,000	729	676	636	604	578					
				30,000	636	591	556	528	505					
				40,000	578	537	505	480	459					
				60,000	505	469	441	419	401					
				100,000	426	395	372	353	338					
212	2-1/4 2-7/16	11,791	6,955	20,000	880	820	770	730						
				30,000	770	715	675	640						
				40,000	700	650	610	580						
				60,000	610	570	535	510						
				100,000	515	480	450	430						
215	2-15/16	14,872	9,255	20,000	1115	1035	975							
				30,000	975	905	850							
				40,000	885	820	770							
				60,000	770	715	675							
				100,000	650	605	570							

* Slight interference fit required when operating to the right of the heavy line

SELECTION

DODGE®

Eccentric Collar Ball Bearings - Metric

Table 2 (Continued): Easy Selection Table for Ball Bearing Mounted Units

RING SIZE	SHAFT SIZE SXR,SXV, SLX	DYNAMIC CAPACITY C (N)	STATIC CAPACITY Co (N)	L10 LIFE, HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (N) AT VARIOUS RPM*							
					50	150	250	500	750	1000	1500	1750
203	17mm	9,600	4,450	20,000	2446	1690	1423	1134	1001	912	778	758
				30,000	2135	1490	1245	1001	867	778	689	645
				40,000	1957	1357	1134	912	778	712	623	600
				60,000	1690	1179	1001	778	689	623	556	512
				100,000	1423	1001	845	667	578	534	467	445
204	20mm	12,895	6,185	20,000	3292	2291	1835	1535	1334	1223	1068	1001
				30,000	2869	2002	1690	1334	1156	1068	934	890
				40,000	2624	1824	1535	1223	1068	956	845	801
				60,000	2291	1579	1334	1068	934	845	734	689
				100,000	1935	1334	1134	890	778	712	623	578
205	25mm	13.995	6,964	20,000	3581	2491	2091	1668	1446	1312	1156	1090
				30,000	3136	2157	1824	1446	1268	1156	1001	956
				40,000	2847	1979	1668	1312	1156	1045	912	867
				60,000	2491	1712	1446	1156	1001	912	801	756
				100,000	2091	1446	1223	979	845	778	667	645
206	30mm	19,438	10,013	20,000	4960	3447	2913	1313	2024	1824	1601	1512
				30,000	4337	3002	2535	2024	1757	1601	1401	1334
				40,000	3936	2736	2313	1824	1601	1446	1268	1201
				60,000	3447	2380	2024	1601	1401	1268	1112	1045
				100,000	2913	2024	1690	1357	1179	1068	934	890
207	35mm	25,628	13,639	20,000	6561	4537	3825	3047	2647	2424	2113	2002
				30,000	5716	3959	3358	2647	2313	2113	1846	1757
				40,000	5204	3603	3047	2424	2113	1913	1668	1579
				60,000	4537	3158	2647	2113	1846	1668	1468	1379
				100,000	3825	2647	2246	1779	1557	1401	1223	1179
208	40mm	32,627	17,822	20,000	8340	5782	4871	3870	3380	3069	2691	2558
				30,000	7295	5048	4270	3380	2958	2691	2335	2224
				40,000	6628	4581	3870	3069	2691	2446	2135	2024
				60,000	5782	4003	3380	2691	2335	2135	1868	1779
				100,000	4871	3380	2847	2268	1979	1801	1579	1490
209	45mm	35,115	19,803	20,000	8985	6227	5249	4159	3647	3314	2891	2736
				30,000	7851	5449	4581	3647	3180	2891	2535	2402
				40,000	7117	4937	4159	3314	2891	2624	2291	2180
				60,000	6227	4315	3647	2891	2535	2291	2002	1913
				100,000	5249	3647	3069	2446	2135	1935	1690	1601
210	50mm	35,115	19,803	20,000	8985	6227	5249	4159	3647	3314	2891	2736
				30,000	7851	5449	4581	3647	3180	2891	2535	2402
				40,000	7177	4937	4159	3314	2891	2624	2291	2180
				60,000	6227	4315	3647	2891	2535	2291	2002	1913
				100,000	5249	3647	3069	2446	2135	1935	1690	1601
211	55mm	43,394	25,054	20,000	11079	7682	6479	5142	4492	4082	3566	3387
				30,000	9678	6711	5660	4492	3924	3566	3115	2959
				40,000	8793	6097	5142	4082	3566	3240	2830	2688
				60,000	7682	5326	4492	3566	3115	2830	2472	2348
				100,000	6479	4492	3789	3007	2627	2387	2085	1981
212	60mm	52,470	30,950	20,000	13411	9296	7851	6227	5449	4937	4315	4114
				30,000	11720	8118	6850	5449	4759	4315	3914	3481
				40,000	10653	7384	6227	4937	4315	3914	3425	3247
				60,000	9296	6450	5449	4315	3781	3425	3002	2847
				100,000	7851	5449	4581	3647	3180	2891	2535	2402
215	75mm	66,180	41,185	20,000	16925	11743	9897	7851	6872	6227	5449	5182
				30,000	14790	10253	8651	6872	6005	5449	4759	4515
				40,000	13433	9319	7851	6227	5449	4960	4337	4114
				60,000	11743	8140	6872	5449	4759	4337	3781	3581
				100,000	9897	6872	5782	4604	4025	3647	3180	3025

* Slight interference fit required when operating in the shaded area

Eccentric Collar Ball Bearings - Metric

Table 2 (Continued): Easy Selection Table for Ball Bearing Mounted Units

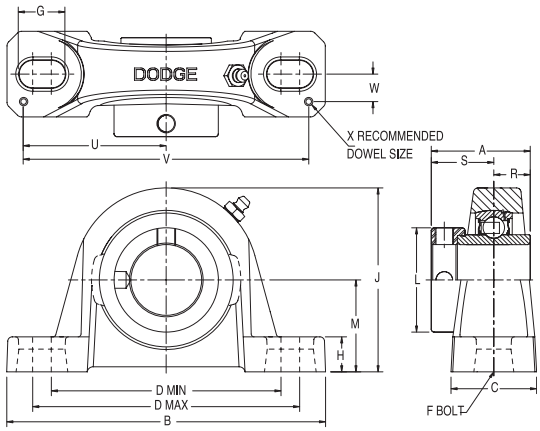
RING SIZE	SHAFT SIZE SXR, SXV, SLX	DYNAMIC CAPACITY C (N)	STATIC CAPACITY Co (N)	L_{10} LIFE, HOURS	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (N) AT VARIOUS RPM*									
					2000	2500	3000	3500	4000	4500	5000	5500	6500	7500
203	17mm	9,600	4,450	20,000	0712	667	623	600	578	556	534	512	489	457
				30,000	623	578	556	512	489	467	467	445	423	400
				40,000	578	534	489	467	445	423	423	400	378	358
				60,000	489	467	423	423	400	378	356	356	334	311
				100,000	423	378	356	356	334	311	311	289	289	267
204	20mm	12,895	6,185	20,000	956	890	845	801	756	734	712	689	645	623
				30,000	845	778	734	689	667	645	623	600	578	534
				40,000	756	712	667	645	600	578	556	556	512	489
				60,000	667	623	578	556	534	512	489	457	445	423
				100,000	556	512	489	467	445	400	423	400	378	356
205	25mm	13.995	6,964	20,000	1045	979	912	867	823	801	778	756	712	667
				30,000	912	845	801	756	734	689	667	645	623	578
				40,000	823	778	734	689	667	623	600	600	556	534
				60,000	734	667	623	600	578	556	534	512	489	467
				100,000	600	556	534	512	489	467	445	445	423	400
206	30mm	19,438	10,013	20,000	1446	1357	1268	1201	1156	1112	1068	1045	979	
				30,000	1268	1179	1112	1045	1001	979	934	912	867	
				40,000	1156	1068	1001	956	912	890	845	823	778	
				60,000	1001	934	890	845	801	778	734	712	689	
				100,000	845	778	734	712	667	645	623	600	578	
207	35mm	25,628	13,639	20,000	1913	1779	1668	1579	1512	1468	1401	1357		
				3,000	1668	1557	1468	1379	1334	1268	1223	1201		
				40,000	1512	1401	1334	1268	1201	1156	1112	1090		
				60,000	1334	1223	1156	1112	1045	1023	979	956		
				100,000	1112	1045	979	934	890	845	823	801		
208	40mm	32,627	17,822	20,000	2446	2268	2135	2024	1935	1868	1801			
				30,000	2135	1979	1868	1779	1680	1624	1579			
				40,000	1935	1801	1690	1601	1535	1468	1423			
				60,000	1690	1579	1468	1401	1334	1290	1245			
				100,000	1423	1334	1245	1179	1134	1090	1045			
209	45mm	35,115	19,803	20,000	2624	2446	2291	2180	2091	2002	1935			
				30,000	2291	2135	2002	1913	1824	1757	1690			
				40,000	2091	1935	1824	1735	1646	1601	1535			
				60,000	1824	1690	1601	1512	1446	1379	1334			
				100,000	1535	1423	1334	1268	1223	1179	1134			
210	50mm	35,115	19,803	20,000	2624	2446	2291	2180	2091	2002				
				30,000	2291	2135	2002	1913	1824	1757				
				40,000	2091	1935	1824	1735	1646	1601				
				60,000	1824	1690	1601	1512	1446	1379				
				100,000	1535	1423	1334	1268	1223	1179				
211	55mm	43,394	25,054	20,000	3241	3007	2830	2688	2571					
				30,000	2831	2627	2472	2348	2246					
				40,000	2572	2387	2246	2134	2041					
				60,000	2247	2085	1962	1864	1783					
				100,000	1895	1759	1655	1572	1504					
212	60mm	52,470	30,950	20,000	3914	3647	3425	3247						
				30,000	3425	3180	3002	2847						
				40,000	3114	2891	2713	2580						
				60,000	2713	2535	2380	2268						
				100,000	2291	2135	2002	1913						
215	75mm	66,180	41,185	20,000	4960	4604	4337							
				30,000	4337	4025	3781							
				40,000	3936	3647	3425							
				60,000	3425	3180	3002							
				100,000	2891	2691	2535							

* Slight interference fit required when operating to the right of the heavy line

SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings
SXR AND SXRU NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Standard		Sealed for Life	
		Part No.	Description	Part No.	Description
203	1/2	**131800**	P2B-SXR-008	@	P2B-SXR-008-NL
	5/8	**131801**	P2B-SXR-010	@	P2B-SXR-010-NL
	17mm	@	*P2B-SXR-17M*	@	*P2B-SXR-17M-NL*
203 (SXRU)	1/2	**131341**	P2B-SXRU-008	@	P2B-SXRU-008-NL
	5/8	**131342**	P2B-SXRU-010	@	P2B-SXRU-010-NL
	17mm	***125655***	*P2B-SXRU-17M*	@	*P2B-SXRU-17M-NL*
204	3/4	**131802**	P2B-SXR-012	@	P2B-SXR-012-NL
	20mm	***125656***	*P2B-SXR-20M*	@	*P2B-SXR-20M-NL*
205	7/8	**131803**	P2B-SXR-014	@	P2B-SXR-014-NL
	15/16	**131804**	P2B-SXR-015	@	P2B-SXR-015-NL
	1	**131805**	P2B-SXR-100	@	P2B-SXR-100-NL
	25mm	***125657***	*P2B-SXR-25M*	@	*P2B-SXR-25M-NL*
206	1-1/16	**131806**	P2B-SXR-101	@	P2B-SXR-101-NL
	1-1/8	**131807**	P2B-SXR-102	@	P2B-SXR-102-NL
	1-3/16	**131808**	P2B-SXR-103	@	P2B-SXR-103-NL
	1-1/4	**064230**	P2B-SXR-104S	@	P2B-SXR-104S-NL
	30mm	@	*P2B-SXR-30M*	@	*P2B-SXR-30M-NL*
206 (SXRU)	1-1/16	**131895**	P2B-SXRU-101	@	P2B-SXRU-101-NL
	1-1/8	**131896**	P2B-SXRU-102	@	P2B-SXRU-102-NL
	1-3/16	**131897**	P2B-SXRU-103	**064882**	P2B-SXRU-103-NL
	1-1/4	@	P2B-SXRU-104S	@	P2B-SXRU-104S-NL
	30mm	***125658***	*P2B-SXRU-30M*	@	*P2B-SXRU-30M-NL*
207	1-1/4	**131809**	P2B-SXR-104	**054950**	P2B-SXR-104-NL
	1-5/16	**131810**	P2B-SXR-105	@	P2B-SXR-105-NL
	1-3/8	**131811**	P2B-SXR-106	**065616**	P2B-SXR-106.NL
	1-7/16	**131812**	P2B-SXR-107	**059667**	P2B-SXR-107-NL
	35mm	***125659***	*P2B-SXR-35M*	@	*P2B-SXR-35M-NL*

@ Assembled to order

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DODGE®

Eccentric Collar Ball Bearings
SXR AND SXRU NORMAL DUTY PILLOW BLOCK

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203	1/2	1.2	1-15/32	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	1-1/8	1-1/16	35/64	59/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.5*	*37.3*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*28.6*	*27.0*	*13.9*	*23.4*	*5.72*	*114.3*	*9.5*	*3.2*
203 (SXRU)	1/2	1.2	1-15/32	5	1-13/64	3-1/4	4-1/16	3/8	27/32	19/32	2-17/64	1-1/8	1-3/16	35/64	59/64	2-1/4	4-1/2	3/8	1/8
	5/8																		
	17mm	*0.5*	*37.3*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*15.1*	*57.5*	*28.6*	*30.2*	*13.9*	*23.4*	*5.72*	*114.3*	*9.5*	*3.2*
204	3/4	1.6	1-23/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-1/16	1-5/16	1-5/16	43/64	1-3/64	2-1/4	4-1/2	1/2	1/8
	20mm	*0.4*	*43.7*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*65.1*	*33.3*	*33.3*	*17.1*	*26.6*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.9	1-3/4	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-5/16	1-7/16	11/16	1-1/16	2-1/2	5	1/2	3/16
	15/16	1.8																	
	1	1.7																	
	25mm	*0.6*	*44.5*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*38.3*	*36.5*	*17.5*	*27.0*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.8	1-29/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-1/4	1-3/4	1-5/8	23/32	1-3/16	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.1*	*48.4*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*82.6*	*44.5*	*41.3*	*18.3*	*30.2*	*73.0*	*146.1*	*14.3*	*4.8*
206 (SXRU)	1-1/16	2.9	1-29/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-3/4	1-11/16	23/32	1-3/16	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.8																	
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.2*	*48.4*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*44.5*	*42.9*	*18.3*	*30.2*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.6	2-1/64	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-1/8	1-7/8	47/64	1-9/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.5																	
	1-3/8	4.4																	
	1-7/16	4.3																	
	35mm	*1.9*	*51.2*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*54.0*	*47.6*	*18.7*	*32.5*	*73.8*	*147.6*	*14.3*	*4.8*

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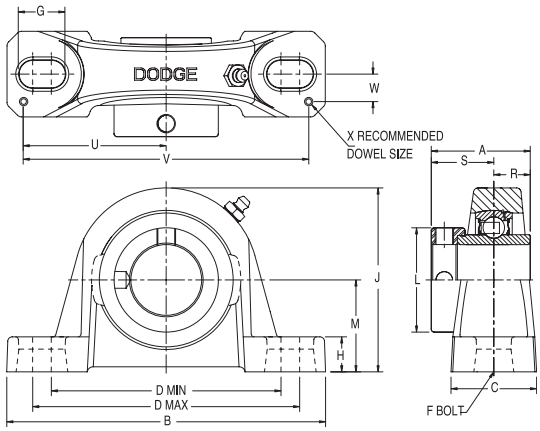
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR AND SXRU NORMAL DUTY PILLOW BLOCK



Series	Shaft Size	Standard		Sealed for Life	
		Part No.	Description	Part No.	Description
208	1-1/2	**131813**	P2B-SXR-108	**049841**	P2B-SXR-108-NL
	40mm	*@*	*P2B-SXR-40M*	*@*	*P2B-SXR-40M-NL*
209	1-5/8	**131814**	P2B-SXR-110	@	P2B-SXR-110-NL
	1-11/16	**131815**	P2B-SXR-111	**052762**	P2B-SXR-111-NL
	1-3/4	**131816**	P2B-SXR-112	**049848**	P2B-SXR-112-NL
	45mm	***125661***	*P2B-SXR-45M*	*@*	*P2B-SXR-45M-NL*
210	1-15/16	**131817**	P2B-SXR-115	**052763**	P2B-SXR-115-NL
	2	**131818**	P2B-SXR-200	**049843**	P2B-SXR-200-NL
	50mm	***125662***	*P2B-SXR-50M*	*@*	*P2B-SXR-50M-NL*
211	2	**131339**	P2B-SXR-200L	@	P2B-SXR-200L-NL
	2-3/16	**131819**	P2B-SXR-203	@	P2B-SXR-203-NL
	55mm	***125663***	*P2B-SXR-55M*	*@*	*P2B-SXR-55M-NL*
212	2-1/4	**131820**	P2B-SXR-204	@	P2B-SXR-204-NL
	2-7/16	**131821**	P2B-SXR-207	**049844**	P2B-SXR-207-NL
	60mm	***125664***	*P2B-SXR-60M*	*@*	*P2B-SXR-60M-NL*
215	2-15/16	**131432**	P2B-SXR-215	@	P2B-SXR-215-NL
	75mm	*@*	*P2B-SXR-75M*	*@*	*P2B-SXR-75M-NL*
215 (SXRU)	2-15/16	**131433**	P2B-SXRU-215	@	P2B-SXRU-215-NL
	75mm	***125665***	*P2B-SXRU-75M*	*@*	*P2B-SXRU-75M-NL*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR AND SXRU NORMAL DUTY PILLOW BLOCK

Series	Shaft Size	Weight lbs *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
208	1-1/2	5.3	2-7/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/8	2-1/8	27/32	1-3/8	3-17/64	6-17/32	11/16	3/16
	40mm	*2.4*	*56.4*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*60.3*	*54.0*	*21.4*	*34.9*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.6	2-7/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	3/4	4-9/32	2-1/8	2-1/8	27/32	1-3/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.5																	
	1-3/4	6.4																	
	45mm	*2.8*	*56.4*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*54.0*	*54.0*	*21.4*	*34.9*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.4	2-15/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-3/4	2-1/4	31/32	1-1/2	3-11/16	7-3/8	13/16	3/16
	2	7.2																	
	50mm	*3.2*	*62.7*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*27.0*	*19.1*	*115.1*	*69.9*	*57.2*	*24.6*	*38.1*	*93.7*	*187.3*	*20.3*	*4.8*
211	2	9.8	2-13/16	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3	2-1/2	1-3/32	1-23/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	9.3																	
	55mm	*4.1*	*71.4*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*76.2*	*63.5*	*27.8*	*43.7*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	11.6	3-1/16	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	3-5/16	2-3/4	1-7/32	1-27/32	4-1/4	8-1/2	7/8	3/16
	2-7/16	11.0																	
	60mm	*5.0*	*77.8*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*84.1*	*69.9*	*31.0*	*46.8*	*108.0*	*215.9*	*22.2*	*4.8*
215	2-15/16	21.0	3-5/8	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-5/16	1	6-3/32	4	3 -1/2	1-15/32	2-5/32	5-31/34	10-31/32	1-3/64	3/16
	75mm	*9.3*	*92.1*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*33.3*	*25.4*	*154.8*	*101.6*	*88.9*	*37.3*	*54.8*	*139.3*	*278.6*	*26.6*	*4.8*
215	2-15/16	21.0	3-5/8	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	4	3-1/4	1-15/32	2-5/32	5-31/34	10-31/32	1-3/64	3/16
(SXRU)	*75mm*	*9.3*	*92.1*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*25.4*	*171.5*	*101.6*	*82.6*	*37.3*	*54.8*	*139.3*	*278.6*	*26.6*	*4.8*

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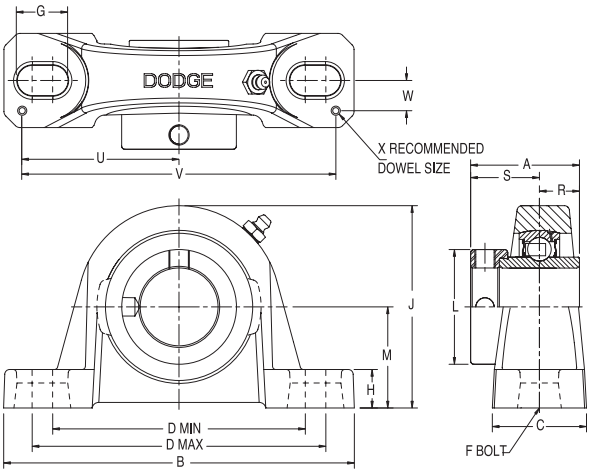
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXRB NORMAL DUTY PILLOW BLOCK



Series	Shaft Size	Standard		With Flingers	
		Part No.	Description	Part No.	Description
203 (SXR)	1/2	**131800**	P2B-SXR-008	@	P2B-SXR-008-FF
	5/8	**131801**	P2B-SXR-010	@	P2B-SXR-010-FF
	17mm	@	*P2B-SXR-17M*	@	*P2B-SXR-17M-FF*
204	3/4	**131830**	P2B-SXRB-012	**068195**	P2B-SXRB-012-FF
	20mm	@	*P2B-SXRB-20M*	@	*P2B-SXRB-20M-FF*
205	7/8	**131831**	P2B-SXRB-014	@	P2B-SXRB-014-FF
	15/16	**131832**	P2B-SXRB-015	@	P2B-SXRB-015-FF
	1	**131833**	P2B-SXRB-100	**068196**	P2B-SXRB-100-FF
	25mm	@	*P2B-SXRB-25M*	@	*P2B-SXRB-25M-FF*
206	1-1/16	**131834**	P2B-SXRB-101	@	P2B-SXRB-101-FF
	1-1/8	**131835**	P2B-SXRB-102	**068197**	P2B-SXRB-102-FF
	1-3/16	**131836**	P2B-SXRB-103	**068198**	P2B-SXRB-103-FF
	1-1/4	**068743**	P2B-SXRB-104S	@	P2B-SXRB-104S-FF
	30mm	@	*P2B-SXRB-30M*	@	*P2B-SXRB-30M-FF*
207	1-1/4	**131837**	P2B-SXRB-104	**068199**	P2B-SXRB-104-FF
	1-5/16	**131838**	P2B-SXRB-105	@	P2B-SXRB-105-FF
	1-3/8	**131839**	P2B-SXRB-106	**068200**	P2B-SXRB-106-FF
	1-7/16	**131840**	P2B-SXRB-107	**068201**	P2B-SXRB-107-FF
	35mm	@	*P2B-SXRB-35M*	@	*P2B-SXRB-35M-FF*

@ Assembled to order

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DODGE®

Eccentric Collar Ball Bearings
SXRB NORMAL DUTY PILLOW BLOCK

Series	Shaft Size	Weight lbs. kg.	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203 (SXR)	1/2	1.2	1-15/32	5	1-31/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	1-1/8	1-1/16	35/64	59/64	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*.5*	*37.3*	*2.2*	*30.6*	*1.4*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*28.6*	*27.0*	*13.9*	*23.4*	*57.2*	*114.3*	*9.5*	*3.2*
204	3/4	1.5	1-23/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	29/64	2-1/2	1-5/16	1-1/4	43/64	1-3/64	2-1/4	4-1/2	1/2	1/8
	20mm	*.7*	*43.7*	*2.3*	*33.7*	*1.5*	*106.4*	*M10*	*21.4*	*11.5*	*63.5*	*33.3*	*31.8*	*17.1*	*26.6*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-3/4	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	1-1/2	1-5/16	11/16	1-1/16	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*.8*	*44.5*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*11.5*	*67.5*	*38.1*	*33.3*	*17.5*	*27.0*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.7	1-29/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	1-3/4	1-9/16	23/32	1-3/16	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.6																	
	1-3/16	2.5																	
	1-1/4	2.4																	
	30mm	*1.1*	*48.4*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*44.5*	*39.7*	*18.3*	*30.2*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.4	2-1/64	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	41/64	3-11/16	2-1/8	1-13/16	47/64	1-9/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.3																	
	1-3/8	4.2																	
	1-7/16	4.1																	
	35mm	*1.9*	*51.2*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.3*	*93.7*	*54.0*	*46.0*	*18.7*	*32.5*	*73.8*	*147.6*	*14.3*	*4.8*

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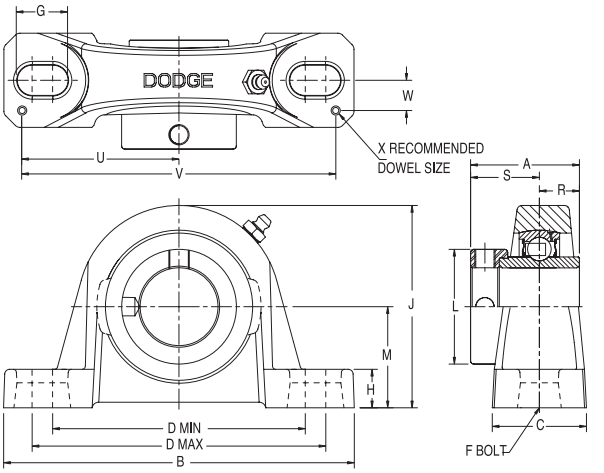
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings
SXRB NORMAL DUTY PILLOW BLOCK



Series	Shaft Size	Standard		With Flingers	
		Part No.	Description	Part No.	Description
208	1-1/2	**131841**	P2B-SXRB-108	**068202**	P2B-SXRB-108-FF
	40mm	***125660***	*P2B-SXRB-40M*	@	*P2B-SXRB-40M-FF*
209	1-5/8	**131842**	P2B-SXRB-110	**068203**	P2B-SXRB-110-FF
	1-11/16	**131843**	P2B-SXRB-111	**068204**	P2B-SXRB-111-FF
	1-3/4	**131844**	P2B-SXRB-112	**068205**	P2B-SXRB-112-FF
	45mm	@	*P2B-SXRB-45M*	@	*P2B-SXRB-45M-FF*
210	1-15/16	**131845**	P2B-SXRB-115	**068206**	P2B-SXRB-115-FF
	2	**131846**	P2B-SXRB-200	@	P2B-SXRB-200-FF
	50mm	@	*P2B-SXRB-50M*	@	*P2B-SXRB-50M-FF*
211	2	**131340**	P2B-SXRB-200L	@	P2B-SXRB-200L-FF
	2-3/16	**131847**	P2B-SXRB-203	@	P2B-SXRB-203-FF
	55mm	@	*P2B-SXRB-55M*	@	*P2B-SXRB-55M-FF*
212	2-1/4	**131848**	P2B-SXRB-204	@	P2B-SXRB-204-FF
	2-7/16	**131849**	P2B-SXRB-207	@	P2B-SXRB-207-FF
	60mm	@	*P2B-SXRB-60M*	@	*P2B-SXRB-60M-FF*
215	2-15/16	**131434**	P2B-SXRB-215	@	P2B-SXRB-215-FF
	75mm	@	*P2B-SXRB-75M*	@	*P2B-SXRB-75M-FF*

@ Assembled to order

DODGE®

Eccentric Collar Ball Bearings
SXRB NORMAL DUTY PILLOW BLOCK

Series	Shaft Size	Weight lbs. kg.	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
208	1-1/2	5.0	2-7/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-3/8	1-15/16	27/32	1-3/8	3-17/64	6-17/32	11/16	3/16
	40mm	*2.2*	*56.4*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*60.3*	*49.2*	*21.4*	*34.9*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.4	2-7/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	11/16	4-7/32	2-1/8	2-1/16	27/32	1-3/8	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.3																	
	1-3/4	6.2																	
	45mm	*2.8*	*56.4*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*17.5*	*107.2*	*64.1*	*52.4*	*21.4*	*34.9*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	7.2	2-15/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	2-3/4	2-3/16	31/32	1-1/2	3-11/16	7-3/8	13/16	3/16
	2	7.0																	
	50mm	*3.2*	*62.7*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*69.9*	*55.6*	*24.6*	*38.1*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	9.5	2-13/16	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	3	2-7/16	1-3/32	1-23/32	3-15/16	7-7/8	13/16	3/16
	2-3/16	9.0																	
	55mm	*4.2*	*71.4*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*76.2*	*61.9*	*27.8*	*43.7*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	11.4	3-1/16	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	13/16	5-11/32	3-5/16	2-11/16	1-7/32	1-27/32	4-1/4	8-1/2	7/8	3/16
	2-7/16	10.4																	
	60mm	*5.1*	*77.8*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*20.6*	*135.7*	*84.1*	*68.3*	*31.0*	*46.8*	*108.0*	*215.9*	*22.2*	*4.8*
215	2-15/16	21.0	3-5/8	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1-1/16	6-9/16	4	3-5/16	1-15/32	2-5/32	5-31/64	10-31/32	1-3/64	3/16
	75mm	*9.3*	*92.1*	*298.5*	*73.0*	*215.9*	*241.3*	*M22*	*36.5*	*27.0*	*166.7*	*101.6*	*84.1*	*37.3*	*54.8*	*139.3*	*278.6*	*26.6*	*4.8*

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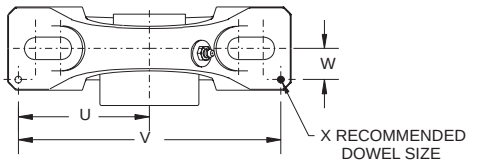
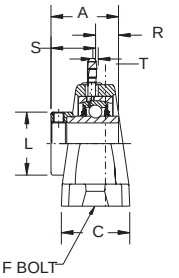
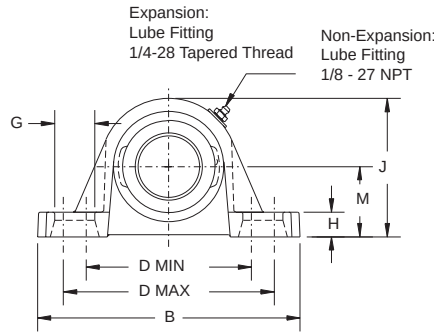
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXRH-E EXPANSION AND SXR NON-EXPANSION NORMAL DUTY PILLOW BLOCKS







Series	Shaft Size	Expansion		Non-Expansion	
		Part Number	Description	Part Number	Description
206	1 1/16	@	P2B-SXRH-101-E	- - - - - -	- - - - - - - - -
	1 1/8	@	P2B-SXRH-102-E	- - - - - -	- - - - - - - - -
	1 3/16	**126415**	P2B-SXRH-103-E	**129218**	P2B-GTM-103
	1 1/4	@	P2B-SXRH-104S-E	**129161**	P2B-GT-104
	30mm	@	P2B-SXRH-30M-E	**129049**	P2B-GTM-30M
207	1 1/4	@	P2B-SXRH-104-E	- - - - - -	- - - - - - - - -
	1 5/16	@	P2B-SXRH-105-E	- - - - - -	- - - - - - - - -
	1 3/8	@	P2B-SXRH-106-E	- - - - - -	- - - - - - - - -
	1 7/16	**126416**	P2B-SXRH-107-E	**129219**	P2B-GTM-107
	35mm	@	P2B-SXRH-35M-E	**136259**	P2B-GTM-35M
209	1 5/8	@	P2B-SXRH-110-E	- - - - - -	- - - - - - - - -
	1 11/16	@	P2B-SXRH-111-E	**129221**	P2B-GTM-111
	1 3/4	**062500**	P2B-SXRH-112-E	**129222**	P2B-GTM-112
	45mm	@	P2B-SXRH-45M-E	**136261**	P2B-GTM-45M
210	1 15/16	**126417**	P2B-SXRH-115-E	**129223**	P2B-GTM-115
	2	@	P2B-SXRH-200-E	**129224**	P2B-GTM-200
	50mm	@	P2B-SXRH-50M-E	**136262**	P2B-GTM-50M
211	2 3/16	**126418**	P2B-SXRH-203-E	**129225**	P2B-GTM-203
	55mm	@	P2B-SXRH-55M-E	**136263**	P2B-GTM-55M
212	2 7/16	**126419**	P2B-SXRH-207-E	**129227**	P2B-GTM-207
	60mm	@	P2B-SXRH-60M-E	**068071**	P2B-GTM-60M

@ Assembled to order

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DODGE®

Eccentric Collar Ball Bearings

SXRH-E EXPANSION AND SXR NON-EXPANSION NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg*	A	B	C	D		F Bolt Dia.	G	H
						min.	max.			
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	5.4 5.3 5.2 5.1 *2.3*	1-29/32 *48.4*	6-7/8 *174.6*	2 *50.8*	4-9/16 *119.1*	5-7/16 *134.9*	1/2 *M12*	1 *25.4*	11/16 *17.5*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	7.5 7.4 7.3 7.2 *3.3*	2-1/64 *51.2*	7-15/16 *201.6*	2-1/32 *51.6*	5-1/16 *128.6*	6-5/16 *160.3*	1/2 *M12*	1-3/16 *30.2*	3/4 *19.1*
209	1-5/8 1-11/16 1-3/4 *45mm*	9.3 9.2 9.1 *4.1*	2-7/32 *56.4*	8-1/8 *206.4*	2-3/8 *60.3*	6 *152.4*	6-1/2 *165.1*	5/8 *M16*	15/16 *23.8*	3/4 *19.1*
210	1-15/16 2 *50mm*	11.1 11.0 *5.0*	2-15/32 *62.7*	9-1/2 *241.3*	2-1/2 *63.5*	6 *152.4*	7-1/2 *190.5*	5/8 *M16*	1-7/16 *36.5*	7/8 *22.2*
211	2-3/16 *55mm*	16.3 *7.4*	*71.4*	*260.4*	*76.2*	*168.3*	*200.0*	*M16*	*36.5*	*27.0*
212	2-7/16 *60mm*	21.4 *9.7*	*77.8*	*285.8*	*82.6*	*182.6*	*223.8*	*M18*	*41.3*	*27.0*

Series	Shaft Size	J	L	M	R	S	T Total Expan-sion	U	V	W	X
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3-13/16 *96.8*	1-3/4 *44.5*	1-7/8 *47.6*	23/32 *18.3*	1-3/16 *30.2*	3/16 *4.8*	3-1/8 *79.4*	6-1/4 *158.8*	11/16 *17.5*	3/16 *4.8*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4-3/16 *106.4*	1-3/4 *44.5*	2-1/8 *54.0*	23/32 *18.3*	1-3/16 *30.2*	3/16 *4.8*	3-11/16 *93.7*	7-3/8 *187.3*	23/32 *18.3*	3/16 *4.8*
209	1-5/8 1-11/16 1-3/4 *45mm*	4-9/16 *115.9*	2-1/2 *64.1*	2-1/4 *57.2*	27/32 *21.4*	1-3/8 *34.9*	1/4 *6.4*	3-11/16 *93.7*	7-3/8 *187.3*	13/16 *20.6*	3/16 *4.8*
210	1-15/16 2 *50mm*	5-3/32 *129.4*	2-3/4 *69.9*	2-1/2 *63.5*	31/32 *24.6*	1-1/2 *38.1*	1/4 *6.4*	4-3/8 *111.1*	8-3/4 *222.3*	7/8 *22.2*	3/16 *4.8*
211	2-3/16 *55mm*	*142.9*	*76.2*	*69.9*	*27.8*	*43.7*	*6.4*	*120.7*	*241.3*	*28.6*	*4.8*
212	2-7/16 *60mm*	*158.8*	*84.1*	*76.2*	*31.0*	*46.8*	*6.4*	*123.8*	*247.7*	*23.8*	*4.8*

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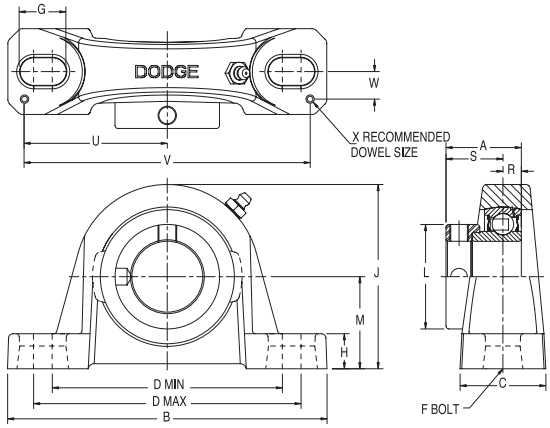
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV AND SXVU INTERMEDIATE DUTY PILLOW BLOCKS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	**130310**	P2B-SXV-008	**130276**	P2B-SXV-008-NL
	5/8	**130311**	P2B-SXV-010	@	P2B-SXV-010-NL
	17mm	*@*	*P2B-SXV-17M*	*@*	*P2B-SXV-17M-NL*
203 (SXVU)	1/2	**130324**	P2B-SXVU-008	@	P2B-SXVU-008-NL
	5/8	**130325**	P2B-SXVU-010	@	P2B-SXVU-010-NL
	17mm	***125711***	*P2B-SXVU-17M*	@	*P2B-SXVU-17M-NL*
204	3/4	**131970**	P2B-SXV-012	**131589**	P2B-SXV-012-NL
	20mm	***125712***	*P2B-SXV-20M*	@	*P2B-SXV-20M-NL*
205	7/8	**131971**	P2B-SXV-014	**053047**	P2B-SXV-014-NL
	15/16	**131972**	P2B-SXV-015	@	P2B-SXV-015-NL
	1	**131973**	P2B-SXV-100	**131996**	P2B-SXV-100-NL
	25mm	***125713***	*P2B-SXV-25M*	@	*P2B-SXV-25M-NL*
206	1-1/16	**131974**	P2B-SXV-101	@	P2B-SXV-101-NL
	1-1/8	**131975**	P2B-SXV-102	@	P2B-SXV-102-NL
	1-3/16	**131976**	P2B-SXV-103	@	P2B-SXV-103-NL
	1-1/4	**131977**	P2B-SXV-104S	@	P2B-SXV-104S-NL
	30mm	*@*	*P2B-SXV-30M*	@	*P2B-SXV-30M-NL*
206 (SXVU)	1-1/16	**131082**	P2B-SXVU-101	@	P2B-SXVU-101-NL
	1-1/8	**131083**	P2B-SXVU-102	@	P2B-SXVU-102-NL
	1-3/16	**131084**	P2B-SXVU-103	**053008**	P2B-SXVU-103-NL
	1-1/4	**131085**	P2B-SXVU-104S	**053042**	P2B-SXVU-104S-NL
	30mm	***125714***	*P2B-SXVU-30M*	@	*P2B-SXVU-30M-NL*
207	1-1/4	**131978**	P2B-SXV-104	@	P2B-SXV-104-NL
	1-5/16	**131979**	P2B-SXV-105	@	P2B-SXV-105-NL
	1-3/8	**131980**	P2B-SXV-106	@	P2B-SXV-106-NL
	1-7/16	**131981**	P2B-SXV-107	**058275**	P2B-SXV-107-NL
	35mm	***125715***	*P2B-SXV-35M*	@	*P2B-SXV-35M-NL*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXV AND SXVU INTERMEDIATE DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203	1/2	1.2	1-1/8	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-9/64	1-1/8	1-1/16	1/4	7/8	2-1/4	4-1/2	3/8	1/8
	5/8	1.1																	
	17mm	*0.5*	*28.6*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*28.6*	*27.0*	*6.4*	*22.2*	*57.2*	*114.3*	*9.5*	*3.2*
203 (SXVU)	1/2	1.4	1-1/8	5	1-13/64	3-1/4	4-1/16	3/8	27/32	19/32	2-17/64	1-1/8	1-3/16	1/4	7/8	2-1/4	4-1/2	3/8	1/8
	5/8	1.2																	
	17mm	*0.6*	*28.6*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*15.1*	*57.5*	*28.6*	*30.2*	*6.4*	*22.2*	*57.2*	*114.3*	*9.5*	*3.2*
204	3/4	1.4	1-7/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	17/32	2-1/16	1-5/16	1-5/16	19/64	59/64	2-1/4	4-1/2	1/2	1/8
	20mm	*0.6*	*31.0*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.5*	*65.1*	*33.3*	*33.3*	*7.5*	*23.4*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.9	1-7/32	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	1-1/2	1-7/16	29/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.8																	
	1	1.7																	
	25mm	*0.8*	*31.0*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*38.1*	*36.5*	*11.5*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.9	1-13/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	11/16	3-1/4	1-3/4	1-5/8	23/64	1-3/64	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.8																	
	1-3/16	2.7																	
	1-1/4	2.6																	
	30mm	*1.2*	*35.7*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*17.5*	*82.6*	*44.5*	*41.3*	*9.1*	*26.7*	*73.0*	*146.1*	*14.3*	*4.8*
206 (SXVU)	1-1/16	3.0	1-13/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-3/4	1-11/16	23/64	1-3/64	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.9																	
	1-3/16	2.8																	
	1-1/4	2.7																	
	30mm	*1.2*	*35.7*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*44.5*	*42.9*	*9.1*	*26.7*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.4	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	23/32	3-3/4	2-1/8	1-7/8	3/8	1-5/32	2-29/35	5-13/16	9/16	3/16
	1-5/16	4.3																	
	1-3/8	4.3																	
	1-7/16	4.2																	
	35mm	*1.9*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*18.3*	*95.3*	*54.0*	*47.6*	*9.5*	*29.4*	*73.8*	*147.6*	*14.3*	*4.8*

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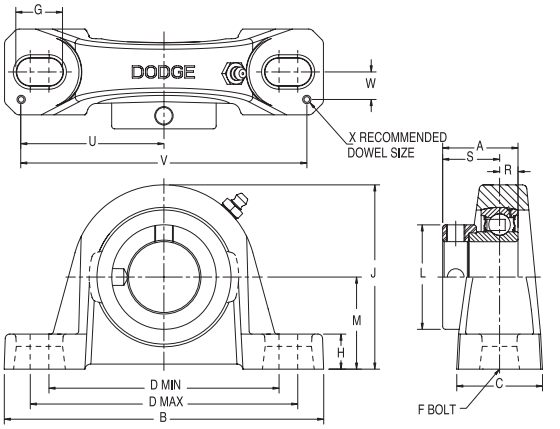
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXV AND SXVU INTERMEDIATE DUTY PILLOW BLOCKS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
208	1-1/2	**131982**	P2B-SXV-108	@	P2B-SXV-108-NL
	40mm	*@*	*P2B-SXV-40M*	*@*	*P2B-SXV-40M-NL*
209	1-11/16	**130312**	P2B-SXV-111	@	P2B-SXV-111-NL
	1-3/4	**130313**	P2B-SXV-112	@	P2B-SXV-112-NL
	45mm	***125717***	*P2B-SXV-45M*	*@*	*P2B-SXV-45M-NL*
210	1-15/16	**130314**	P2B-SXV-115	@	P2B-SXV-115-NL
	2	**130315**	P2B-SXV-200	**065636**	P2B-SXV-200-NL
	50mm	***125718***	*P2B-SXV-50M*	*@*	*P2B-SXV-50-NL*
211	2	**130316**	P2B-SXV-200L	@	P2B-SXV-200L-NL
	2-3/16	**130317**	P2B-SXV-203	@	P2B-SXV-203-NL
	55mm	***125719***	*P2B-SXV-55M*	*@*	*P2B-SXV-55M-NL*

@ Assembled to order

Eccentric Collar Ball Bearings
SXV AND SXVU INTERMEDIATE DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
208	1-1/2	5.1	1-23/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-3/8	2-1/8	7/16	1-9/32	3-17/64	6-17/32	11/16	3/16
	40mm	*2.3*	*43.7*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*23.8*	*106.4*	*60.3*	*54.0*	*11.1*	*32.5*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-11/16	5.5	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	3/4	4-9/32	2-1/2	2-1/8	7/16	1-9/32	3-3/8	6-3/4	11/16	3/16
	1-3/4	5.4																	
	45mm	*2.5*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*19.1*	*108.7*	*63.5*	*54.0*	*11.1*	*32.5*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	5.8	1-23/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/16	3/4	4-17/32	2-3/4	2-1/4	7/16	1-9/32	3-11/16	7-3/8	13/16	3/16
	2	5.7																	
	50mm	*2.6*	*43.7*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*22.0*	*19.1*	*115.1*	*69.9*	*57.2*	*11.1*	*32.5*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	7.9	1-29/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3	2-1/2	15/32	1-7/16	3-15/16	7-7/8	13/16	3/16
	2-3/16	7.6																	
	50mm	*3.5*	*48.4*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*76.2*	*63.5*	*11.9*	*36.5*	*100.0*	*200.0*	*20.6*	*4.8*

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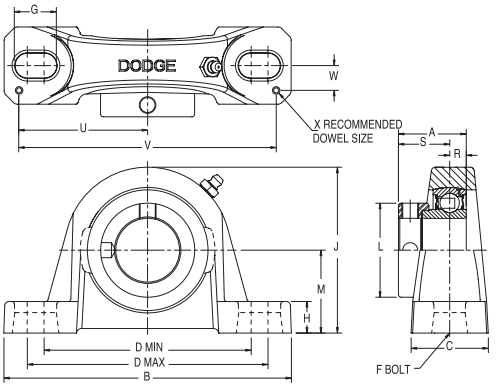
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXVB INTERMEDIATE DUTY PILLOW BLOCKS



Series	Shaft Size	Standard	
		Part No.	Description
203 (SXV)	1/2	**130310**	P2B-SXV-008
	5/8	**130311**	P2B-SXV-010
	17mm	*@*	*P2B-SXV-17M*
204	3/4	**131983**	P2B-SXVB-012
	20mm	*@*	*P2B-SXVB-20M*
205	7/8	**131984**	P2B-SXVB-014
	15/16	**131985**	P2B-SXVB-015
	1	**131986**	P2B-SXVB-100
	25mm	*@*	*P2B-SXVB-25M*
206	1-1/16	**131987**	P2B-SXVB-101
	1-1/8	**131988**	P2B-SXVB-102
	1-3/16	**131989**	P2B-SXVB-103
	1-1/4	**131990**	P2B-SXVB-104S
	30mm	***056830***	*P2B-SXVB-30M*
207	1-1/4	**131991**	P2B-SXVB-104
	1-5/16	**131992**	P2B-SXVB-105
	1-3/8	**131993**	P2B-SXVB-106
	1-7/16	**131994**	P2B-SXVB-107
	35mm	***068864***	*P2B-SXVB-35M*
208	1-1/2	**131995**	P2B-SXVB-108
	40mm	***125716***	*P2B-SXVB-40M*
209	1-11/16	**130318**	P2B-SXVB-111
	1-3/4	**130319**	P2B-SXVB-112
	45mm	*@*	*P2B-SXVB-45M*
210	1-15/16	**130320**	P2B-SXVB-115
	2	**130321**	P2B-SXVB-200
	50mm	*@*	*P2B-SXVB-50M*
211	2	**130322**	P2B-SXVB-200L
	2-3/16	**130323**	P2B-SXVB-203
	55mm	*@*	*P2B-SXVB-55M*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXVB INTERMEDIATE DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg.*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
203 (SXV)	1/2	1.1	1-1/8	5	1-13/64	3-1/4	4-1/16	3/8	27/32	15/32	2-17/64	1-1/8	1-1/16	1/4	7/8	2-1/4	4-1/2	3/8	1/8
	5/8	1.0																	
	17mm	*0.5*	*28.6*	*127.0*	*30.6*	*82.6*	*103.2*	*M10*	*21.4*	*11.9*	*54.4*	*28.6*	*27.0*	*6.4*	*22.2*	*57.2*	*114.3*	*9.5*	*3.2*
204	3/4	1.3	1-7/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	29/64	2-1/2	1-5/16	1-1/4	19/64	59/64	2-1/4	4-1/2	1/2	1/8
	20mm	*0.6*	*31.0*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*11.5*	*63.5*	*33.3*	*31.8*	*7.5*	*23.5*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	1.8	1-7/32	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	1-1/2	1-5/16	29/64	49/64	2-1/2	5	1/2	3/16
	15/16	1.7																	
	1	1.6																	
	25mm	*0.7*	*31.0*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*11.5*	*67.5*	*38.1*	*33.3*	*11.5*	*19.4*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/16	2.8	1-13/32	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	1-3/4	1-9/16	23/64	1-3/64	2-7/8	5-3/4	9/16	3/16
	1-1/8	2.7																	
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.2*	*35.7*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*44.5*	*39.7*	*9.1*	*26.7*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.3	1-17/32	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	41/64	3-11/16	2-1/8	1-13/16	3/8	1-5/32	2-29/32	5-13/16	9/16	3/16
	1-5/16	4.2																	
	1-3/8	4.2																	
	1-7/16	4.1																	
	35mm	*1.9*	*38.9*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.3*	*93.7*	*54.0*	*46.0*	*9.5*	*29.4*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-1/2	5.0	1-23/32	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-3/8	1-15/16	7/16	1-9/32	3-17/64	6-17/32	11/16	3/16
	40mm	*2.2*	*43.7*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*60.3*	*49.2*	*11.0*	*32.5*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-11/16	5.4	1-23/32	7-7/16	2	5-1/2	6-3/8	1/2	29/32	11/16	4-7/32	2-1/2	2-1/16	7/16	1-9/32	3-3/8	6-3/4	11/16	3/16
	1-3/4	5.3																	
	45mm	*2.4*	*43.7*	*188.9*	*50.8*	*139.7*	*161.9*	*M12*	*23.0*	*17.5*	*107.2*	*63.5*	*52.4*	*11.1*	*32.5*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	5.7	1-23/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	2-3/4	2-3/16	7/16	1-9/32	3-11/16	7-3/8	13/16	3/16
	2	5.6																	
	50mm	*2.5*	*43.7*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*69.9*	*55.6*	*11.1*	*32.5*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	7.8	1-29/32	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	3	2-7/16	15/32	1-7/16	3-15/16	7-7/8	13/16	3/16
	2-3/16	7.5																	
	55mm	*3.4*	*48.4*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*76.2*	*61.9*	*11.9*	*36.5*	*100.0*	*200.0*	*20.6*	*4.8*

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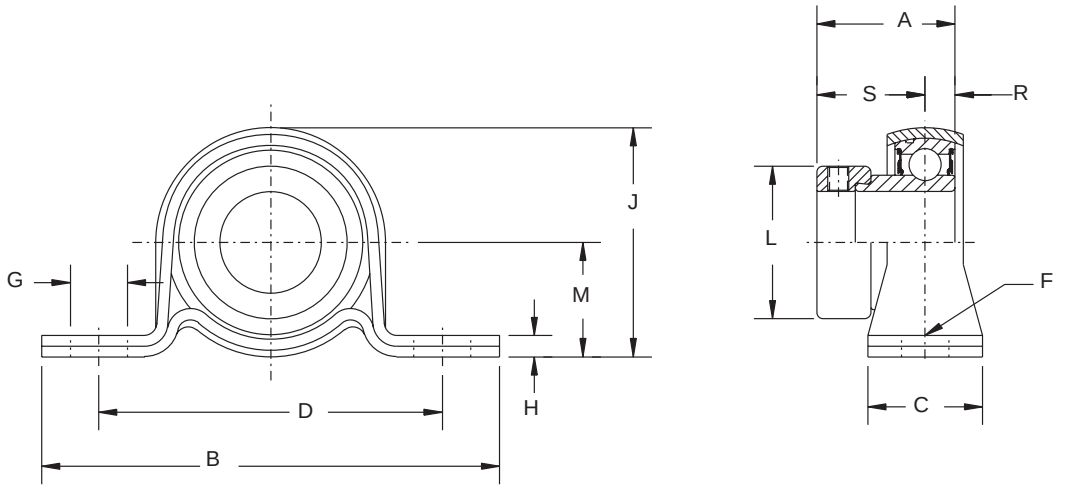
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SLX LIGHT DUTY PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
203	1/2	@	P2B-SLX-008
	5/8	**052932**	P2B-SLX-010
	17mm	@	*P2B-SLX-17M*
204	3/4	**128130**	P2B-SLX-012
	20mm	@	*P2B-SLX-20M*
205	7/8	**128131**	P2B-SLX-014
	15/16	**128132**	P2B-SLX-015
	1	**128133**	P2B-SLX-100
	25mm	@	*P2B-SLX-25M*
206	1-1/8	**128134**	P2B-SLX-102
	1-3/16	**128135**	P2B-SLX-103
	1-1/4	**128136**	P2B-SLX-104S
	30mm	@	*P2B-SLX-30M*
207	1-1/4	**128183**	P2B-SLX-104
	1-3/8	**128184**	P2B-SLX-106
	1-7/16	**128185**	P2B-SLX-107
	35mm	@	*P2B-SLX-35M*

@ Assembled to order.

Eccentric Collar Ball Bearings
SLX LIGHT DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	G	H	J	L	M	R	S	Housing Radial Load Rating (lbs)
203	1/2 5/8 *17mm*	0.52 0.50 *.23*	1-1/8 *28.6*	3-5/8 *92.1*	1 *25.4*	2-11/16 *68.3*	1/4 *M6*	11/32 *8.7*	1/8 *3.2*	1-11/16 *42.9*	1-1/8 *28.6*	27/32 *21.4*	1/4 *6.4*	7/8 *22.2*	250 *1,112*
204	3/4 *20mm*	0.61 *.27*	1-7/32 *31.0*	4-1/8 *104.8*	1 *25.4*	3 *76.2*	3/8 *M10*	1/2 *12.7*	3/16 *4.8*	2-1/16 *52.4*	1-5/16 *33.3*	1 *25.4*	19/64 *7.5*	59/64 *23.4*	350 *1,556*
205	7/8 15/16 1 *25mm*	0.79 0.76 0.73 *.34*	1-7/32 *31.0*	4-1/2 *114.3*	1-1/8 *28.6*	3-3/8 *85.7*	3/8 *M10*	9/16 *14.3*	13/64 *5.2*	2-7/32 *56.4*	1-1/2 *38.1*	1-1/8 *28.6*	19/64 *7.5*	59/64 *23.4*	400 *1,779*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.14 1.12 1.10 *.50*	1-13/32 *35.7*	4-7/8 *123.8*	1-1/8 *28.6*	3-3/4 *95.3*	3/8 *M10*	9/16 *14.3*	15/64 *6.0*	2-5/8 *66.7*	1-3/4 *44.5*	1-5/16 *33.3*	23/64 *9.1*	1-3/64 *26.7*	600 *2,668*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.54 1.50 1.48 *.67*	1-17/32 *38.9*	5-3/4 *146.1*	1-1/4 *31.8*	4-1/4 *108.0*	1/2 *M12*	3/4 *19.1*	15/64 *6.0*	3-1/8 *79.4*	2-1/8 *54.0*	1-9/16 *39.7*	3/8 *9.5*	1-5/32 *29.4*	800 *3,557*

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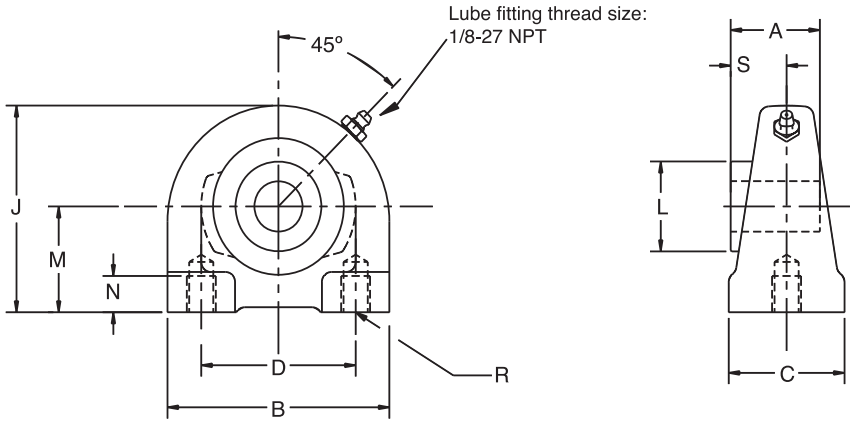
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXR NORMAL DUTY TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	**053219**	TB-SXR-012
	20mm	***053411***	*TB-SXR-20M*
205	7/8	@	TB-SXR-014
	15/16	@	TB-SXR-015
	1	**051885**	TB-SXR-100
	25mm	***053412***	*TB-SXR-25M*
206	1-1/16	@	TB-SXR-101
	1-1/8	**053339**	TB-SXR-102
	1-3/16	**057692**	TB-SXR-103
	1-1/4	**067926**	TB-SXR-104S
	30mm	***053413***	*TB-SXR-30M*
207	1-1/4	**062307**	TB-SXR-104
	1-5/16	@	TB-SXR-105
	1-3/8	**064536**	TB-SXR-106
	1-7/16	**049802**	TB-SXR-107
	35mm	***053414***	*TB-SXR-35M*
208	1-1/2	**064910**	TB-SXR-108
	40mm	***053415***	*TB-SXR-40M*
209	1-5/8	@	TB-SXR-110
	1-11/16	**068118**	TB-SXR-111
	1-3/4	**049787**	TB-SXR-112
	45mm	***053416***	*TB-SXR-45M*
210	1-15/16	**049803**	TB-SXR-115
	2	@	TB-SXR-200
	50mm	***053417***	*TB-SXR-50M*
211	2	@	TB-SXR-200L
	2-3/16	@	TB-SXR-203
	55mm	***053418***	*TB-SXR-55M*

@ Assembled to order.

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DODGE®

Eccentric Collar Ball Bearings
SXR NORMAL DUTY TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg*	A	B	C	D	J	L	M	N Min. Tap Depth	R Bolt Hole UNC-Thread	S
204	3/4	1.5	1-23/32	2-7/8	1-1/2	2	2-1/16	1-5/16	1-5/16	1/2	3/8-16	1-3/64
	20mm	*0.6*	*43.7*	*73.0*	*38.1*	*50.8*	*65.1*	*33.3*	*33.3*	*12.7*	*M8 x 1.25*	*26.6*
205	7/8 15/16 1	2.2 2.1 2.0	1-3/4	3	1-1/2	2	2-13/16	1-1/2	1-7/16	1/2	3/8-16	1-1/16
	25mm	*0.8*	*44.5*	*76.2*	*38.1*	*50.8*	*71.4*	*38.1*	*36.5*	*12.7*	*M10 x 1.5*	*27.0*
206	1-1/16 1-1/8 1-3/16 1-1/4	3.2 3.0 2.8 2.6	1-29/32	4	1-1/2	3	3-3/8	1-3/4	1-11/16	5/8	7/16-14	1-3/16
	30mm	*1.1*	*48.4*	*101.6*	*38.1*	*76.2*	*85.7*	*44.5*	*42.9*	*15.9*	*M10 x 1.5*	*30.2*
207	1-1/4 1-5/16 1-3/8 1-7/16	4.4 4.2 4.0 3.8	2-1/64	4-1/4	1-7/8	3-1/4	3-3/4	2-1/8	1-7/8	3/4	1/2-13	1-9/32
	35mm	*1.4*	*51.2*	*108.0*	*47.6*	*82.6*	*95.3*	*54.0*	*47.6*	*19.1*	*M10 x 1.5*	*32.5*
208	1-1/2	4.8	2-7/32	4-5/8	1-7/8	3-1/2	3-15/16	2-3/8	1-15/16	3/4	1/2-13	1-3/8
	40mm	*1.8*	*56.4*	*117.5*	*47.6*	*88.9*	*100.0*	*60.3*	*49.2*	*19.1*	*M12 x 1.75*	*34.9*
209	1-5/8 1-11/16 1-3/4	5.9 5.7 5.5	2-7/32	5	2	3-3/4	4-1/4	2-1/2	2-1/8	3/4	1/2-13	1-3/8
	45mm	*2.1*	*56.4*	*127.0*	*50.8*	*95.3*	*108.0*	*63.5*	*54.0*	*19.1*	*M12 x 1.75*	*34.9*
210	1-15/16 2	6.5 6.3	2-15/32	5-1/2	2	4	4-5/8	2-3/4	2-1/4	7/8	5/8-11	1-1/2
	50mm	*2.4*	*62.7*	*139.7*	*50.8*	*101.6*	*117.5*	*69.9*	*57.2*	*22.2*	*M16 x 2*	*38.1*
211	2 2-3/16	9.2 9.0	2-13/16	5-1/2	2	4	4-5/8	3	2-1/4	7/8	5/8-11	1-23/32
	55mm	*3.3*	*71.4*	*139.7*	*50.8*	*101.6*	*117.5*	*76.2*	*57.2*	*22.2*	*M16 x 2*	*43.7*

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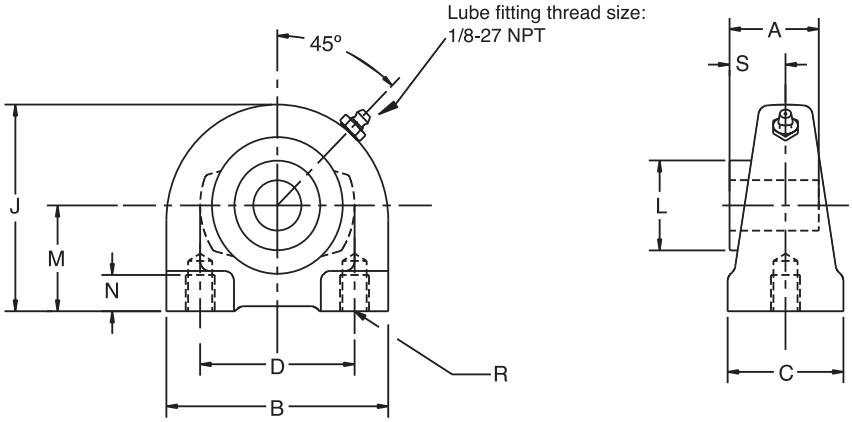
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	@	TB-SXV-012
	20mm	***130769***	*TB-SXV-20M*
205	7/8	@	TB-SXV-014
	15/16	@	TB-SXV-015
	1	**124474**	TB-SXV-100
	25mm	***130770***	*TB-SXV-25M*
206	1-1/16	@	TB-SXV-101
	1-1/8	@	TB-SXV-102
	1-3/16	@	TB-SXV-103
	1-1/4	@	TB-SXV-104S
	30mm	***130771***	*TB-SXV-30M*
207	1-1/4	@	TB-SXV-104
	1-5/16	@	TB-SXV-105
	1-3/8	@	TB-SXV-106
	1-7/16	@	TB-SXV-107
	35mm	***130772***	*TB-SXV-35M*
208	1-1/2	**068747**	TB-SXV-108
	40mm	***130773***	*TB-SXV-40M*
209	1-11/16	**068400**	TB-SXV-111
	1-3/4	@	TB-SXV-112
	45mm	***130774***	*TB-SXV-45M*
210	1-15/16	@	TB-SXV-115
	2	@	TB-SXV-200
	50mm	***130775***	*TB-SXV-50M*
211	2	@	TB-SXV-200L
	2-3/16	**064483**	TB-SXV-203
	55mm	@	*TB-SXV-55M*

@ Assemble to order

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DODGE®

Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs. *kg*	A	B	C	D	J	L	M	N Min. Tap Depth	R Bolt Hole UNC-Thread	S
204	3/4 *20mm*	1.5 *0.6*	1-7/32 *31.0*	2-7/8 *73.0*	1-1/2 *38.1*	2 *50.8*	2-1/16 *65.1*	1-5/16 *33.3*	1-5/16 *33.3*	1/2 *12.7*	3/8-16 *M8 x 1.25*	59/64 *23.54*
205	7/8 15/16 1 *25mm*	2.2 2.1 2.0 *0.8*	1-7/32 *31.0*	3 *76.2*	1-1/2 *38.1*	2 *50.8*	2-13/16 *71.4*	1-1/2 *38.1*	1-7/16 *36.5*	1/2 *12.7*	3/8-16 *M10 x 1.5*	49/64 *19.4*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.2 3.0 2.8 2.6 *1.1*	1-13/32 *35.7*	4 *101.6*	1-1/2 *38.1*	3 *76.2*	3-3/8 *85.7*	1-3/4 *44.5*	1-11/16 *42.9*	5/8 *15.9*	7/16-14 *M10 x 1.5*	1-3/64 *26.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.4 4.2 4.0 3.8 *1.4*	1-17/32 *38.9*	4-1/4 *108.0*	1-7/8 *47.6*	3-1/4 *82.6*	3-3/4 *95.3*	2-1/8 *54.0*	1-7/8 *47.6*	3/4 *19.1*	1/2-13 *M10 x 1.5*	1-5/32 *29.4*
208	1-1/2 *40mm*	4.8 *1.8*	1-23/32 *43.7*	4-5/8 *117.5*	1-7/8 *47.6*	3-1/2 *88.9*	3-15/16 *100.0*	2-3/8 *60.3*	1-15/16 *49.2*	3/4 *19.1*	1/2-13 *M12 x 1.75*	1-9/32 *32.5*
209	1-11/16 1-3/4 *45mm*	5.7 5.5 *2.1*	1-23/32 *43.7*	5 *127.0*	2 *50.8*	3-3/4 *95.3*	4-1/4 *108.0*	2-7/32 *56.4*	2-1/8 *54.0*	3/4 *19.1*	1/2-13 *M12 x 1.75*	1-9/32 *32.5*
210	1-15/16 2 *50mm*	6.5 6.3 *2.4*	1-23/32 *43.7*	5-1/2 *139.7*	2 *50.8*	4 *101.6*	4-5/8 *117.5*	2-3/4 *69.9*	2-1/4 *57.2*	7/8 *22.2*	5/8-11 *M16 x 2*	1-9/32 *32.5*
211	2 2-3/16 *55mm*	9.2 9.0 *3.3*	1-29/32 *48.4*	5-1/2 *139.7*	2 *50.8*	4 *101.6*	4-5/8 *117.5*	3 *76.2*	2-1/4 *57.2*	7/8 *22.2*	5/8-11 *M16 x 2*	1-7/16 *36.5*

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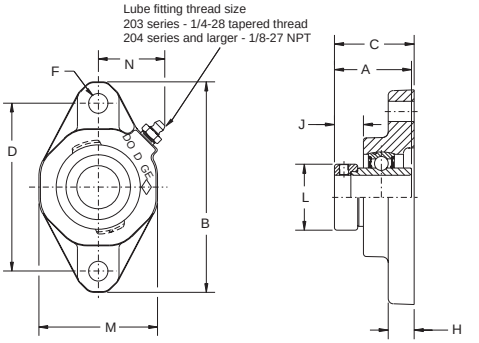
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXR NORMAL DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)		With Flingers	
		Part No.	Description	Part No.	Description	Part No.	Description
203	1/2	**131050**	F2B-SXR-008	@	F2B-SXR-008-NL	@	F2B-SXR-008-FF
	5/8	**131052**	F2B-SXR-010	**131079**	F2B-SXR-010-NL	@	F2B-SXR-010-FF
	17mm	***125677***	*F2B-SXR-17M*	@	*F2B-SXR-17M-NL*	@	*F2B-SXR-17M-FF*
204	3/4	**131054**	F2B-SXR-012	@	F2B-SXR-012-NL	@	F2B-SXR-012-FF
	20mm	***125678***	*F2B-SXR-20M*	@	*F2B-SXR-20M-NL*	@	*F2B-SXR-20M-FF*
205	7/8	**131056**	F2B-SXR-014	@	F2B-SXR-014-NL	@	F2B-SXR-014-FF
	15/16	**131057**	F2B-SXR-015	@	F2B-SXR-015-NL	@	F2B-SXR-015-FF
	1	**131058**	F2B-SXR-100	@	F2B-SXR-100-NL	**050951**	F2B-SXR-100-FF
	25mm	***125679***	*F2B-SXR-25M*	@	*F2B-SXR-25M-NL*	@	*F2B-SXR-25M-FF*
206	1-1/16	**131059**	F2B-SXR-101	@	F2B-SXR-101-NL	@	F2B-SXR-101-FF
	1-1/8	**131060**	F2B-SXR-102	@	F2B-SXR-102-NL	@	F2B-SXR-102-FF
	1-3/16	**131061**	F2B-SXR-103	**065635**	F2B-SXR-103-NL	**053617**	F2B-SXR-103-FF
	1-1/4	**049879**	F2B-SXR-104S	**068866**	F2B-SXR-104S-NL	@	F2B-SXR-104S-FF
	30mm	***125680***	*F2B-SXR-30M*	@	*F2B-SXR-30M-NL*	@	*F2B-SXR-30M-FF*
207	1-1/4	**131063**	F2B-SXR-104	@	F2B-SXR-104-NL	**130880**	F2B-SXR-104-FF
	1-5/16	**131064**	F2B-SXR-105	@	F2B-SXR-105-NL	@	F2B-SXR-105-FF
	1-3/8	**131065**	F2B-SXR-106	@	F2B-SXR-106-NL	**068213**	F2B-SXR-106-FF
	1-7/16	**131066**	F2B-SXR-107	**050839**	F2B-SXR-107-NL	**053326**	F2B-SXR-107-FF
	35mm	***125681***	*F2B-SXR-35M*	@	*F2B-SXR-35M-NL*	@	*F2B-SXR-35M-FF*
208	1-1/2	**131067**	F2B-SXR-108	@	F2B-SXR-108-NL	**068214**	F2B-SXR-108-FF
	40mm	***125682***	*F2B-SXR-40M*	@	*F2B-SXR-40M-NL*	@	*F2B-SXR-40M-FF*
209	1-5/8	**131070**	F2B-SXR-110	@	F2B-SXR-110-NL	@	F2B-SXR-110-FF
	1-11/16	**131071**	F2B-SXR-111	**052729**	F2B-SXR-111-NL	@	F2B-SXR-111-FF
	1-3/4	**131072**	F2B-SXR-112	@	F2B-SXR-112-NL	**068215**	F2B-SXR-112-FF
	45mm	***125683***	*F2B-SXR-45M*	@	*F2B-SXR-45M-NL*	@	*F2B-SXR-45M-FF*
210	1-15/16	**131075**	F2B-SXR-115	**056784**	F2B-SXR-115-NL	@	F2B-SXR-115-FF
	2	**131077**	F2B-SXR-200	@	F2B-SXR-200-NL	@	F2B-SXR-200-FF
	50mm	***125684***	*F2B-SXR-50M*	@	*F2B-SXR-50M-NL*	@	*F2B-SXR-50M-FF*
211	2	**@**	F2B-SXR-200L	@	F2B-SXR-200L-NL	@	F2B-SXR-200L-FF
	2-3/16	**131074**	F2B-SXR-203	@	F2B-SXR-203-NL	**068216**	F2B-SXR-203-FF
	55mm	***056862***	*F2B-SXR-55M*	@	*F2B-SXR-55M-NL*	@	*F2B-SXR-55M-FF*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
203	1/2 5/8 *17mm*	0.9 0.8 *0.4*	1-15/32 *37.3*	3-7/8 *98.4*	1-19/32 *40.5*	3 *76.2*	3/8 *M10*	33/64 *13.1*	39/64 *15.5*	1-1/8 *28.6*	2-1/32 *51.6*	1-1/64 *25.8*
204	3/4 *20mm*	1.2 *0.5*	1-23/32 *43.7*	4-27/64 *112.3*	1-61/64 *49.6*	3-17/32 *89.7*	3/8 *M10*	19/32 *15.1*	41/64 *16.3*	1-5/16 *33.3*	2-3/8 *60.3*	1-3/16 *30.2*
205	7/8 15/16 1 *25mm*	1.7 1.6 1.5 *0.7*	1-3/4 *44.5*	4-7/8 *123.8*	1-13/16 *46.0*	3-57/64 *98.8*	7/16 *M10*	19/32 *15.1*	21/32 *16.7*	1-1/2 *38.1*	2-3/4 *69.9*	1-3/8 *34.9*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.4 2.3 2.2 2.1 *1.0*	1-29/32 *48.4*	5-9/16 *141.3*	1-63/64 *50.4*	4-19/32 *116.7*	7/16 *M10*	5/8 *15.9*	47/64 *18.7*	1-3/4 *44.5*	3-1/4 *82.6*	1-5/8 *41.3*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	3.6 3.5 3.4 3.3 *1.5*	2-1/64 *51.2*	6-1/8 *155.6*	2-7/64 *53.6*	5-1/8 *130.2*	1/2 *M12*	41/64 *16.3*	25/32 *19.8*	2-1/8 *54.0*	3-3/4 *95.3*	1-7/8 *47.6*
208	1-1/2 *40mm*	4.3 *1.9*	2-7/32 *56.4*	6-3/4 *171.5*	2-21/64 *59.1*	5-21/32 *143.7*	1/2 *M12*	21/32 *16.7*	25/32 *19.8*	2-3/8 *60.3*	4-1/8 *104.8*	2-1/6 *52.4*
209	1-5/8 1-11/16 1-3/4 *45mm*	5.3 5.1 4.9 *2.2*	2-7/32 *56.4*	7-1/16 *179.4*	2-5/16 *58.7*	5-27/32 *148.4*	1/2 *M12*	41/64 *16.3*	25/32 *19.8*	2-1/2 *64.1*	4-3/8 *111.2*	2-3/16 *55.6*
210	1-15/16 2 *50mm*	5.8 5.6 *2.6*	2-15/32 *62.7*	7-7/16 *188.9*	2-19/32 *65.9*	6-3/16 *157.2*	5/8 *M16*	25/32 *19.8*	53/64 *21.0*	2-3/4 *69.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2-3/16 *55mm*	7.8 7.6 *3.5*	2-13/16 *71.4*	8-1/2 *215.9*	2-15/16 *74.6*	7-1/4 *184.2*	5/8 *M16*	13/16 *20.6*	1-1/32 *26.2*	3 *76.2*	5-1/4 *133.4*	2-5/8 *66.7*

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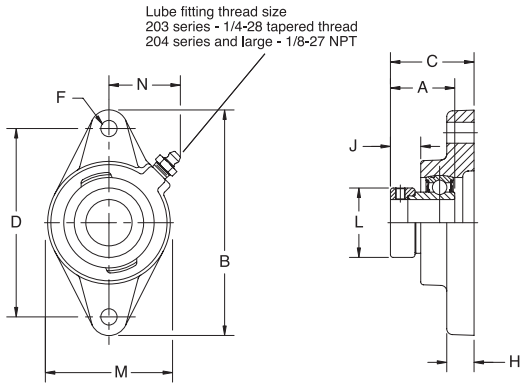
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	**130326**	F2B-SXV-008	@	F2B-SXV-008-NL
	5/8	**130327**	F2B-SXV-010	@	F2B-SXV-010-NL
	17mm	***125529***	*F2B-SXV-17M*	@	*F2B-SXV-17M-NL*
204	3/4	**131737**	F2B-SXV-012	@	F2B-SXV-012-NL
	20mm	***125730***	*F2B-SXV-20M*	@	*F2B-SXV-20M-NL*
205	7/8	**131738**	F2B-SXV-014	@	F2B-SXV-014-NL
	15/16	**131739**	F2B-SXV-015	@	F2B-SXV-015-NL
	1	**131740**	F2B-SXV-100	**058778**	F2B-SXV-100-NL
	25mm	***125731***	*F2B-SXV-25M*	@	*F2B-SXV-25M-NL*
206	1-1/16	**131741**	F2B-SXV-101	@	F2B-SXV-101-NL
	1-1/8	**131742**	F2B-SXV-102	@	F2B-SXV-102-NL
	1-3/16	**131743**	F2B-SXV-103	@	F2B-SXV-103-NL
	1-1/4	**131744**	F2B-SXV-104S	@	F2B-SXV-104S-NL
	30mm	***125732***	*F2B-SXV-30M*	@	*F2B-SXV-30M-NL*
207	1-1/4	**131745**	F2B-SXV-104	@	F2B-SXV-104-NL
	1-5/16	**131746**	F2B-SXV-105	@	F2B-SXV-105-NL
	1-3/8	**131747**	F2B-SXV-106	@	F2B-SXV-106-NL
	1-7/16	**131748**	F2B-SXV-107	**058779**	F2B-SXV-107-NL
	35mm	***125733***	*F2B-SXV-35M*	@	*F2B-SXV-35M-NL*
208	1-1/2	**131749**	F2B-SXV-108	**068784**	F2B-SXV-108-NL
	40mm	***125734***	*F2B-SXV-40M*	@	*F2B-SXV-40M-NL*
209	1-11/16	**130328**	F2B-SXV-111	**059595**	F2B-SXV-111-NL
	1-3/4	**130329**	F2B-SXV-112	@	F2B-SXV-112-NL
	45mm	***125735***	*F2B-SXV-45M*	@	*F2B-SXV-45M-NL*
210	1-15/16	**130330**	F2B-SXV-115	**059596**	F2B-SXV-115-NL
	2	**130331**	F2B-SXV-200	**068867**	F2B-SXV-200-NL
	50mm	***125736***	*F2B-SXV-50M*	@	*F2B-SXV-50M-NL*
211	2	**130352**	F2B-SXV-200L	@	F2B-SXV-200L-NL
	2-3/16	**130353**	F2B-SXV-203	@	F2B-SXV-203-NL
	55mm	***125737***	*F2B-SXV-55M*	@	*F2B-SXV-55M-NL*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
203	1/2 5/8 *17mm*	0.9 0.8 *0.3*	1-1/8 *28.6*	3-7/8 *98.4*	1-13/32 *35.7*	3 *76.2*	3/8 *M10*	3/8 *9.5*	9/16 *14.3*	1-1/8 *28.6*	2-1/8 *54.0*	1-1/8 *28.6*
204	3/4 *20mm*	1.0 *0.5*	1-7/32 *31.0*	4-27/64 *112.3*	1-9/16 *39.7*	3-17/32 *89.7*	3/8 *M10*	1/2 *12.7*	37/64 *14.7*	1-5/16 *33.3*	2-3/8 *60.3*	1-1/2 *38.1*
205	7/8 15/16 1 *25mm*	1.7 1.6 1.5 *0.7*	1-7/32 *31.0*	4-7/8 *123.8*	1-1/2 *38.1*	3-57/64 *98.8*	7/16 *M10*	1/2 *12.7*	35/64 *13.9*	1-1/2 *38.1*	2-3/4 *69.9*	1-7/16 *36.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	2.4 2.3 2.2 2.1 *1.0*	1-13/32 *35.7*	5-9/16 *141.3*	1-11/16 *42.9*	4-19/32 *116.7*	7/16 *M10*	1/2 *12.7*	39/64 *15.5*	1-3/4 *44.5*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	3.6 3.5 3.3 3.2 *1.5*	1-17/32 *38.9*	6-1/8 *155.6*	1-7/8 *47.6*	5-1/8 *130.2*	1/2 *M12*	9/16 *14.3*	21/32 *16.7*	2-1/8 *54.0*	3-3/4 *95.3*	1-27/32 *46.8*
208	1-1/2 *40mm*	4.7 *2.2*	1-23/32 *43.7*	6-3/4 *171.5*	2-1/16 *52.4*	5-21/32 *143.7*	1/2 *M12*	9/16 *14.3*	23/32 *18.3*	2-3/8 *60.3*	4-1/8 *104.8*	1-53/64 *46.4*
209	1-11/16 1-3/4 *45mm*	5.1 4.9 *2.2*	1-23/32 *43.7*	7-1/16 *179.4*	2-3/32 *53.2*	5-27/32 *148.4*	1/2 *M12*	5/8 *15.9*	11/16 *17.5*	2-1/2 *63.5*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-15/16 2 *50mm*	5.8 5.3 *2.4*	1-23/32 *43.7*	7-7/16 *188.9*	2-1/8 *54.0*	6-3/16 *157.2*	1/2 *M16*	5/8 *15.9*	21/32 *16.7*	2-3/4 *69.9*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2-3/16 *55mm*	6.9 6.7 *3.1*	1-29/32 *48.4*	8-1/2 *215.9*	2-3/8 *60.3*	7-1/4 *184.2*	5/8 *M16*	11/16 *17.5*	25/32 *19.8*	3 *76.2*	5-1/4 *133.4*	2-17/64 *57.5*

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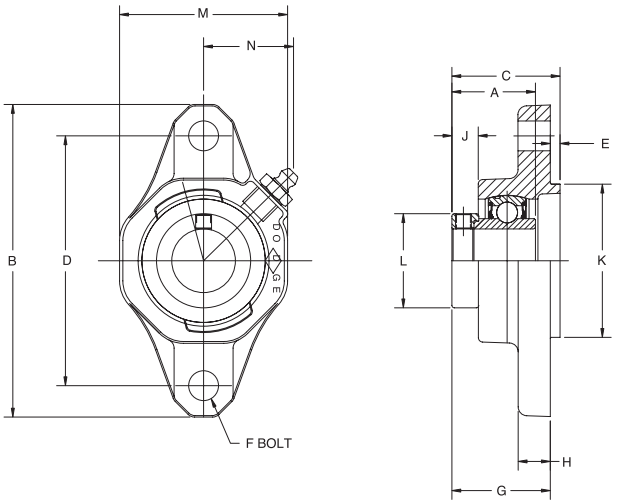
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXR NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	@	F2BZ-SXR-012
	20mm	***130831***	*F2BZ-SXR-20M*
205	7/8	@	F2BZ-SXR-014
	15/16	@	F2BZ-SXR-015
	1	**064289**	F2BZ-SXR-100
	25mm	***130832***	*F2BZ-SXR-25M*
206	1-1/8	@	F2BZ-SXR-102
	1-3/16	@	F2BZ-SXR-103
	1-1/4	@	F2BZ-SXR-104S
	30mm	***130833***	F2BZ-SXR-30M
207	1-1/4	@	F2BZ-SXR-104
	1-3/8	@	F2BZ-SXR-106
	1-7/16	@	F2BZ-SXR-107
	35mm	***130834***	*F2BZ-SXR-35M*
208	1-1/2	**068901**	F2BZ-SXR-108
	40mm	***130835***	*F2BZ-SXR-40M*
209	1-5/8	@	F2BZ-SXR-110L
	1-11/16	@	F2BZ-SXR-111
	1-3/4	@	F2BZ-SXR-112
	45mm	***130836***	*F2BZ-SXR-45M*
210	1-15/16	@	F2BZ-SXR-115
	2	@	F2BZ-SXR-200
	50mm	***130837***	*F2BZ-SXR-50M*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	J	K	L	M	N
204	3/4	1.3	1-23/32	4-27/64	1-51/64	3-17/32	0.138	3/8	1-21/32	29/64	41/64	2.1654	1-5/16	2-3/8	1-3/16
	20mm	*0.6*	*43.7*	*112.3*	*45.6*	*89.7*	*3.5*	*M10*	*42.1*	*11.5*	*16.3*	*55.0*	*33.3*	*60.3*	*30.2*
205	7/8 15/16 1	1.6	1-3/4	4-7/8	1-51/64	3-57/64	0.138	7/16	1-43/64	29/64	21/32	2.3622	1-1/2	2-3/4	1-3/8
	25mm	*0.7*	*44.5*	*123.8*	*45.6*	*98.8*	*3.5*	*M10*	*42.5*	*11.5*	*16.7*	*60.0*	*38.1*	*69.9*	*34.9*
206	1-1/8 1-3/16 1-1/4	2.1	1-29/32	5-9/16	2-3/64	4-19/32	0.118	7/16	1-59/64	1/2	47/64	3.1496	1-3/4	3-1/4	1-5/8
	30mm	*0.9*	*48.4*	*141.3*	*50.1*	*116.7*	*3.0*	*M10*	*47.1*	*12.7*	*18.7*	*80.0*	*44.5*	*82.6*	*41.3*
207	1-1/4 1-3/8 1-7/16	3.1	2-1/64	6-1/8	2-7/64	5-1/8	0.158	1/2	1-61/64	31/64	25/32	3.5433	2-1/8	3-3/4	1-7/8
	35mm	*1.3*	*51.2*	*155.6*	*53.3*	*130.2*	*4.0*	*M12*	*49.4*	*12.3*	*19.7*	*90.0*	*54.0*	*95.3*	*47.6*
208	1-1/2	4.3	2-7/32	6-3/4	2-5/16	5-21/32	0.158	1/2	2-5/32	1/2	25/32	3.9370	2-3/8	4-1/8	2-1/16
	40mm	*1.9*	*56.4*	*171.5*	*58.6*	*143.7*	*4.0*	*M12*	*54.8*	*12.7*	*19.5*	*100.0*	*60.3*	*104.8*	*52.4*
209	1-5/8 1-11/16 1-3/4	4.7	2-7/32	7-1/16	2-21/64	5-27/32	0.158	1/2	2-11/64	31/64	25/32	4.1339	2-1/2	4-3/8	2-3/16
	45mm	*2.0*	*56.4*	*179.4*	*58.9*	*148.4*	*4.0*	*M12*	*54.9*	*12.3*	*19.8*	*105.0*	*63.5*	*111.1*	*55.6*
210	1-15/16 2	5.2	2-15/32	7-7/16	2-39/64	6-3/16	0.158	9/16	2-29/64	5/8	27/32	4.1339	2-3/4	4-9/16	2-9/32
	50mm	*2.1*	*62.7*	*188.9*	*66.1*	*157.2*	*4.0*	*M16*	*62.1*	*15.9*	*21.5*	*105.0*	*69.9*	*115.9*	*51.5*

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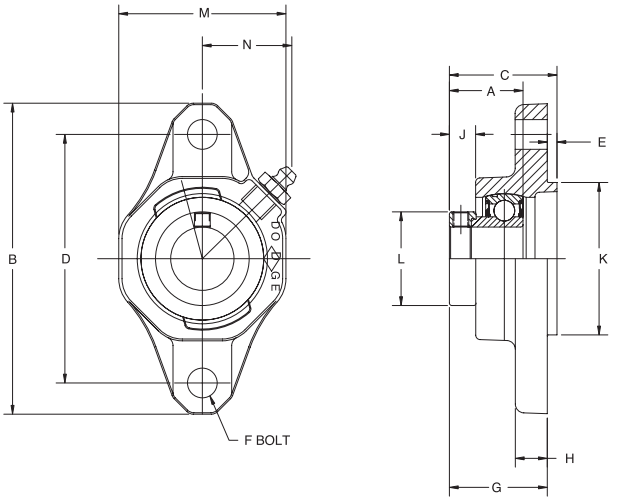
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY 2-BOLT PILOTED FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	@	F2BZ-SXV-012
	20mm	***130781***	*F2BZ-SXV-20M*
205	7/8	@	F2BZ-SXV-014
	15/16	@	F2BZ-SXV-015
	1	@	F2BZ-SXV-100
	25mm	***130782***	*F2BZ-SXV-25M*
206	1-1/8	**067601**	F2BZ-SXV-102
	1-3/16	@	F2BZ-SXV-103
	1-1/4	@	F2BZ-SXV-104S
	30mm	***130783***	*F2BZ-SXV-30M*
207	1-1/4	**062893**	F2BZ-SXV-104
	1-3/8	@	F2BZ-SXV-106
	1-7/16	@	F2BZ-SXV-107
	35mm	***130784***	*F2BZ-SXV-35M*
208	1-1/2	**068763**	F2BZ-SXV-108
	40mm	***130785***	*F2BZ-SXV-40M*
209	1-11/16	@	F2BZ-SXV-111
	1-3/4	@	F2BZ-SXV-112
	45mm	***130786***	*F2BZ-SXV-45M*
210	1-15/16	@	F2BZ-SXV-115
	2	@	F2BZ-SXV-200
	50mm	***130787***	*F2BZ-SXV-50M*

@ Assembled to order

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Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY 2-BOLT PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	J	K	L	M	N
204	3/4	1.1	1-7/32	4-27/64	1-43/64	3-17/32	.138	3/8	1-35/64	29/64	33/64	2.1654	1-5/16	2-3/8	1-3/16
	20mm	*0.5*	*31.0*	*112.3*	*42.5*	*89.7*	*3.5*	*M10*	*39.0*	*11.5*	*13.2*	*55.0*	*33.3*	*60.3*	*30.2*
205	7/8	1.5	1-7/32	4-7/8	1-43/64	3-57/64	.138	7/16	1-34/64	29/64	33/64	2.3622	1-1/2	2-3/4	1-3/8
	15/16	1.4													
	1	1.4													
	25mm	*0.6*	*31.0*	*123.8*	*42.5*	*98.8*	*3.5*	*M10*	*38.7*	*11.5*	*12.9*	*60.0*	*38.1*	*69.9*	*34.9*
206	1-1/8	1.9	1-13/32	5-9/16	1-29/32	4-19/32	.118	7/16	1-25/32	1/2	39/64	3.1496	1-3/4	3-1/4	1-5/8
	1-3/16	1.9													
	1-1/4	1.9													
	30mm	*0.9*	*35.7*	*141.3*	*46.6*	*116.7*	*3.0*	*M10*	*43.6*	*12.7*	*15.1*	*80.0*	*44.5*	*82.6*	*41.3*
207	1-1/4	2.9	1-17/32	6-1/8	1-63/64	5-1/8	.158	1/2	1-53/64	31/64	21/32	3.5433	2-1/8	3-3/4	1-7/8
	1-3/8	2.8													
	1-7/16	2.8													
	35mm	*1.3*	*38.9*	*155.6*	*50.4*	*130.2*	*4.0*	*M12*	*46.4*	*12.3*	*16.7*	*90.0*	*54.0*	*95.3*	*47.6*
208	1-1/2	4.4	1-23/32	6-3/4	2-15/64	5-21/32	.158	1/2	2-5/64	1/2	11/16	3.9370	2-3/8	4-1/8	2-1/16
	40mm	*2.0*	*43.7*	*171.5*	*56.5*	*143.7*	*4.0*	*M12*	*52.5*	*12.7*	*17.4*	*100.0*	*60.3*	*104.8*	*52.4*
209	1-11/16	4.6	1-23/32	7-1/16	2-15/64	5-27/32	.158	1/2	2-5/64	31/64	11/16	4.1339	2-1/2	4-3/8	2-3/16
	1-3/4	4.5													
	45mm	*2.1*	*43.7*	*179.4*	*56.5*	*148.4*	*4.0*	*M12*	*52.6*	*12.3*	*17.4*	*105.0*	*63.5*	*111.1*	*55.6*
210	1-15/16	5.0	1-23/32	7-7/16	2-25/64	6-3/16	.158	9/16	2-15/64	5/8	5/8	4.1339	2-3/4	4-9/16	2-9/32
	2	4.8													
	50mm	*2.1*	*43.7*	*188.9*	*60.5*	*157.2*	*4.0*	*M16*	*56.5*	*15.9*	*15.9*	*105.0*	*69.9*	*115.9*	*51.6*

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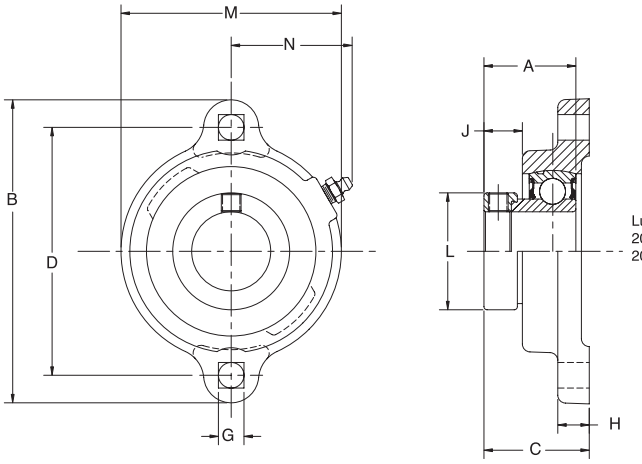
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXV LFT INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS



Lube fitting thread size:
203-204 eries - 1/4-28 tapered thread
205-207 series - 1/8-27 NPT

Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	@	LFT-SXV-008	**124748**	LFT-SXV-008-NL
	5/8	**124749**	LFT-SXV-010	**068855**	LFT-SXV-010-NL
	17mm	***130776***	*LFT-SXV-17M*	@	*LFT-SXV-17M-NL*
204	3/4	@	LFT-SXV-012	**124678**	LFT-SXV-012-NL
	20mm	***130777***	*LFT-SXV-20M*	@	*LFT-SXV-20M-NL*
205	7/8	**049751**	LFT-SXV-014	@	LFT-SXV-014-NL
	15/16	@	LFT-SXV-015	@	LFT-SXV-015-NL
	1	**124677**	LFT-SXV-100	**124697**	LFT-SXV-100-NL
	25mm	***130778***	*LFT-SXV-25M*	@	*LFT-SXV-25M-NL*
206	1-1/16	@	LFT-SXV-101	@	LFT-SXV-101-NL
	1-1/8	**068387**	LFT-SXV-102	@	LFT-SXV-102-NL
	1-3/16	**068803**	LFT-SXV-103	**053007**	LFT-SXV-103-NL
	1-1/4	**068561**	LFT-SXV-104S	**062945**	LFT-SXV-104S-NL
	30mm	***130779***	*LFT-SXV-30M*	@	*LFT-SXV-30M-NL*
207	1-1/4	@	LFT-SXV-104	@	LFT-SXV-104-NL
	1-5/16	@	LFT-SXV-105	@	LFT-SXV-105-NL
	1-3/8	**062439**	LFT-SXV-106	@	LFT-SXV-106-NL
	1-7/16	**064750**	LFT-SXV-107	**124676**	LFT-SXV-107-NL
	35mm	***130780***	*LFT-SXV-35M*	@	*LFT-SXV-35M-NL*

@ Assembled to order

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Eccentric Collar Ball Bearings

SXV LFT INTERMEDIATE DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	G	H	J	L	M	N
203	1/2 5/8 *17mm*	0.63 0.60 *0.3*	1-1/8 *28.6*	3-3/16 *81.0*	1-3/64 *27.0*	2-1/2 *63.5*	9/32 *7.5*	3/8 *9.5*	21/64 *13.5*	1-1/8 *28.6*	2-1/8 *54.0*	1-15/64 *31.4*
204	3/4 *20mm*	0.77 *0.4*	1-7/32 *31.0*	3-9/16 *90.5*	1-7/32 *31.0*	2-13/16 *71.4*	11/32 *8.7*	27/64 *10.7*	3/8 *14.4*	1-5/16 *33.3*	2-3/8 *60.3*	1-11/32 *34.1*
205	7/8 15/16 1 *25mm*	0.92 0.89 0.86 *0.4*	1-7/32 *31.0*	3-3/4 *95.3*	1-1/4 *31.8*	3 *76.2*	11/32 *8.7*	27/64 *10.7*	3/8 *9.5*	1-1/2 *38.1*	2-5/8 *66.7*	1-7/16 *36.5*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	1.53 1.50 1.47 1.44 *0.7*	1-13/32 *35.7*	4-7/16 *112.7*	1-15/32 *37.3*	3-9/16 *90.5*	13/32 *10.3*	15/32 *11.9*	15/32 *15.8*	1-3/4 *44.5*	3-1/4 *82.6*	1-23/32 *43.7*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.92 1.89 1.86 1.83 *0.8*	1-17/32 *38.9*	4-13/16 *122.2*	1-19/32 *40.5*	3-15/16 *100.0*	13/32 *10.3*	1/2 *12.7*	17/32 *11.1*	2-1/8 *54.0*	3-1/2 *88.9*	1-53/64 *46.4*

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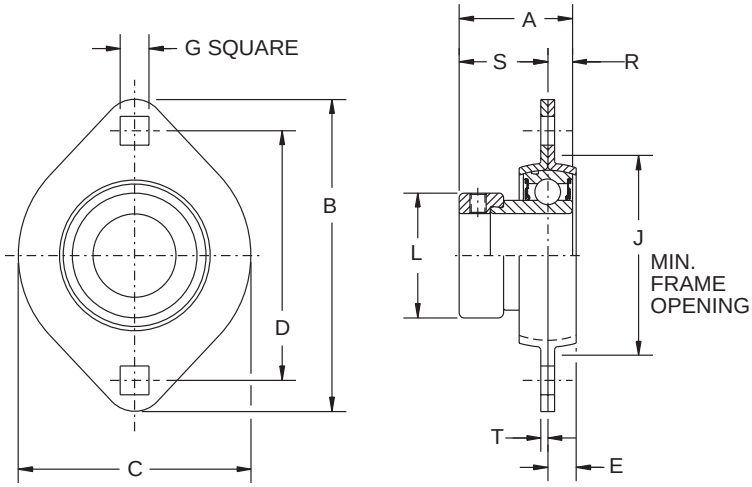
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings
SLX LIGHT DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
203	1/2	@	F2B-SLX-008
	5/8	**062497**	F2B-SLX-010
	17mm	@	*F2B-SLX-17M*
204	3/4	**128137**	F2B-SLX-012
	20mm	@	*F2B-SLX-20M*
205	7/8	**128138**	F2B-SLX-014
	15/16	**128139**	F2B-SLX-015
	1	**128140**	F2B-SLX-100
	25mm	@	*F2B-SLX-25M*
206	1-1/8	**128141**	F2B-SLX-102
	1-3/16	**128142**	F2B-SLX-103
	1-1/4	**128143**	F2B-SLX-104S
	30mm	@	*F2B-SLX-30M*
207	1-1/4	**128186**	F2B-SLX-104
	1-3/8	**128187**	F2B-SLX-106
	1-7/16	**128188**	F2B-SLX-107
	35mm	@	*F2B-SLX-35M*

@ Assembled to order

Eccentric Collar Ball Bearings
SLX LIGHT DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	G*	J	L	R	S	T	Housing Radial Load Rating (lbs)
203	1/2 5/8 *17mm*	.51 .48 *.23*	1-1/8 *28.6*	3-3/16 *81.0*	2-5/16 *58.7*	2-1/2 *63.5*	9/32 *7.1*	9/32 *7.1*	1-15/16 *49.2*	1-1/8 *28.6*	1/4 *6.4*	7/8 *22.2*	0.075 *1.9*	600 *2668*
204	3/4 *20mm*	.51 *.23*	1-7/32 *31.0*	3-9/16 *90.5*	2-5/8 *66.7*	2-13/16 *71.4*	5/16 *7.9*	11/32 *8.7*	2-3/16 *55.6*	1-5/16 *33.3*	19/64 *7.5*	59/64 *23.4*	0.083 *2.1*	700 *3112*
205	7/8 15/16 1 *25mm*	.79 .76 .73 *.35*	1-7/32 *31.0*	3-3/4 *95.3*	2-51/64 *71.0*	3 *76.2*	11/32 *8.7*	11/32 *8.7*	2-3/8 *60.3*	1-1/2 *38.1*	19/64 *11.5*	59/64 *19.4*	0.083 *2.1*	800 *3557*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.14 1.12 1.10 *.52*	1-13/32 *35.7*	4-7/16 *112.7*	3-5/16 *84.1*	3-9/16 *90.5*	11/32 *8.7*	13/32 *10.3*	2-13/16 *71.4*	1-3/4 *44.5*	23/64 *9.1*	1-3/64 *26.7*	0.104 *2.6*	1100 *4891*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.54 1.50 1.48 *.69*	1-17/32 *38.9*	4-15/16 *125.4*	3-11/16 *93.7*	3-15/16 *100.0*	7/16 *11.1*	13/32 *10.3*	3-3/16 *81.6*	2-1/8 *54.0*	3/8 *9.5*	1-5/32 *29.4*	0.104 *2.6*	1100 *6225*

* Mounting bolt holes will accept either carriage or machine bolts.

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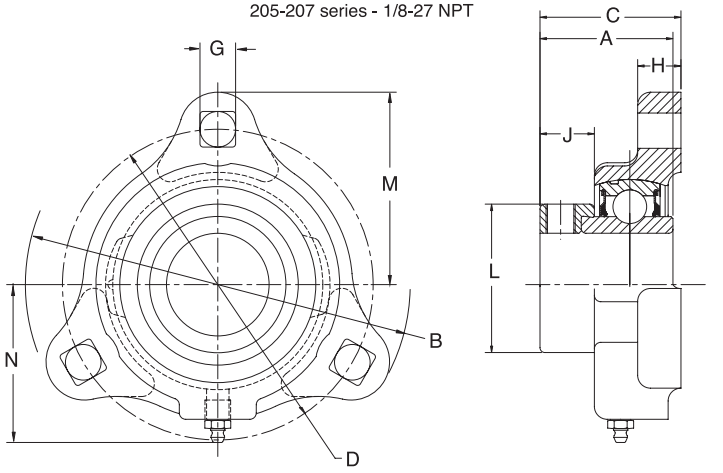
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV LF NORMAL DUTY 3-BOLT FLANGE BEARINGS

Lube fitting thread size:
203-204 series - 1/4-28 tapered thread
205-207 series - 1/8-27 NPT



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
203	1/2	@	LF-SXV-008	@	LF-SXV-008-NL
	5/8	@	LF-SXV-010	@	LF-SXV-010-NL
	17mm	@	*LF-SXV-17M*	@	*LF-SXV-17M-NL*
204	3/4	@	LF-SXV-012	@	LF-SXV-012-NL
	20mm	@	*LF-SXV-20M*	@	*LF-SXV-20M-NL*
205	7/8	@	LF-SXV-014	@	LF-SXV-014-NL
	15/16	@	LF-SXV-015	@	LF-SXV-015-NL
	1	**124591**	LF-SXV-100	@	LF-SXV-100-NL
	25mm	@	*LF-SXV-25M*	@	*LF-SXV-25M-NL*
206	1-1/16	@	LF-SXV-101	@	LF-SXV-101-NL
	1-1/8	@	LF-SXV-102	**068790**	LF-SXV-102-NL
	1-3/16	**124590**	LF-SXV-103	**062454**	LF-SXV-103-NL
	1-1/4	@	LF-SXV-104S	**124634**	LF-SXV-104S-NL
	30mm	***065530***	*LF-SXV-30M*	@	*LF-SXV-30M-NL*
207	1-1/4	@	LF-SXV-104	@	LF-SXV-104-NL
	1-5/16	@	LF-SXV-105	@	LF-SXV-105-NL
	1-3/8	**053763**	LF-SXV-106	@	LF-SXV-106-NL
	1-7/16	**050420**	LF-SXV-107	@	LF-SXV-107-NL
	35mm	@	*LF-SXV-35M*	@	*LF-SXV-35M-NL*

@ Assembled to order

FEATURES/BENEFITS PAGE B4-2	NOMENCLATURE PAGE B4-4	SELECTION PAGE B4-5	RELATED PRODUCTS PAGE B4-85

Eccentric Collar Ball Bearings
SXV LF NORMAL DUTY 3-BOLT FLANGE BEARINGS

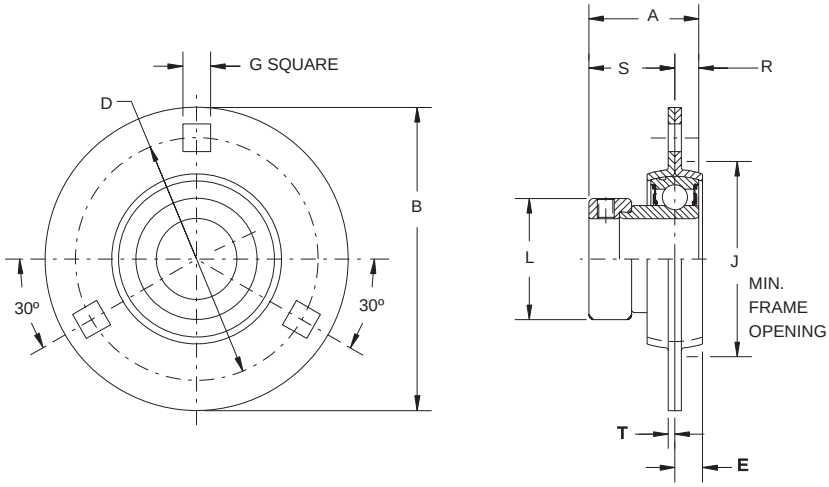
Series	Shaft Size	Weight lbs *kg*	A	B	C	D	G	H	J	L	M	N
203	1/2 5/8 *17mm*	0.63 0.60 *0.3*	1-1/8 *28.6*	3-3/16 *81.0*	1-9/32 *27.0*	2-1/2 *63.5*	9/32 *7.5*	3/8 *9.5*	9/16 *8.7*	1-1/8 *28.6*	1-19/32 *40.5*	1-27/32 *46.8*
204	3/4 *20mm*	0.77 *0.4*	1-7/32 *31.0*	3-9/16 *90.5*	1-13/32 *31.0*	2-13/16 *71.4*	23/64 *9.1*	27/64 *10.7*	9/16 *9.5*	1-5/16 *33.3*	1-25/32 *45.2*	1-37/64 *40.1*
205	7/8 15/16 1 *25mm*	0.92 0.89 0.86 *0.4*	1-7/32 *31.0*	3-3/4 *95.3*	1-13/32 *31.8*	3 *76.2*	11/32 *8.7*	27/64 *10.7*	17/32 *10.3*	1-1/2 *38.1*	1-7/8 *47.6*	1-45/64 *43.3*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	1.53 1.50 1.47 1.44 *0.7*	1-13/32 *35.7*	4-7/16 *112.7*	1-39/64 *37.3*	3-9/16 *90.5*	13/32 *10.3*	15/32 *11.9*	39/64 *13.5*	1-3/4 *44.5*	2-7/32 *56.4*	2-1/64 *51.2*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.92 1.89 1.86 1.83 *0.8*	1-17/32 *38.9*	4-13/16 *122.2*	1-23/32 *40.5*	3-15/16 *100.0*	13/32 *10.3*	1/2 *12.7*	21/32 *13.5*	2-1/8 *54.0*	2-13/32 *61.1*	2-1/64 *54.4*

FEATURES/BENEFITS PAGE B4-2	NOMENCLATURE PAGE B4-4	SELECTION PAGE B4-5	RELATED PRODUCTS PAGE B4-85

SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV LF NORMAL DUTY 3-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard	
		Part No	Description
204	3/4	**128144**	F3B-SLX-012
	20mm	*@*	*F3B-SLX-20M*
205	7/8	**128145**	F3B-SLX-014
	15/16	**128146**	F3B-SLX-015
	1	**128147**	F3B-SLX-100
	25mm	*@*	*F3B-SLX-25M*
206	1-1/8	**128148**	F3B-SLX-102
	1-3/16	**128149**	F3B-SLX-103
	1-1/4	**128150**	F3B-SLX-104S
	30mm	*@*	*F3B-SLX-30M*
207	1-1/4	**128189**	F3B-SLX-104
	1-3/8	**128190**	F3B-SLX-106
	1-7/16	**128191**	F3B-SLX-107
	35mm	*@*	*F3B-SLX-35M*

@ Assembled to order

FEATURES/BENEFITS PAGE B4-2 | NOMENCLATURE PAGE B4-4 | SELECTION PAGE B4-5 | RELATED PRODUCTS PAGE B4-85

Eccentric Collar Ball Bearings
SXV LF NORMAL DUTY 3-BOLT FLANGE BEARINGS

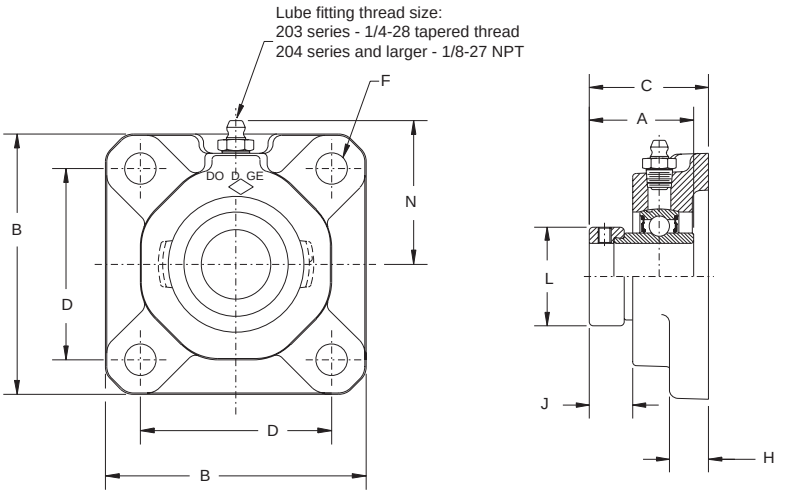
Series	Shaft Size	Weight lbs *kg*	A	B	D	E	G*	J	L	R	S	T	Housing Radial Load Rating (lbs)
204	3/4 *20mm*	.53 *.24*	1-7/32 *31.0*	3-9/16 *90.5*	2-13/16 *71.4*	5/16 *7.9*	11/32 *8.7*	2-3/16 *55.6*	1-5/16 *33.3*	19/64 *7.5*	59/64 *23.4*	.083 *2.1*	700 *3112*
205	7/8 15/16 1 *25mm*	.81 .78 .75 *.36*	1-7/32 *31.0*	3-3/4 *95.3*	3 *76.2*	11/32 *8.7*	11/32 *8.7*	2-3/8 *60.3*	1-1/2 *38.1*	19/64 *11.5*	59/64 *19.4*	.083 *2.1*	800 *3557*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.16 1.14 1.12 *.53*	1-13/32 *35.7*	4-7/16 *112.7*	3-9/16 *90.5*	11/32 *8.7*	13/32 *10.3*	2-13/16 *71.4*	1-3/4 *44.5*	23/64 *9.1*	1-3/64 *26.7*	.104 *2.6*	1100 *4891*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.56 1.52 1.50 *.70*	1-17/32 *38.9*	4-15/16 *125.4*	3-15/16 *100.0*	7/16 *11.1*	13/32 *10.3*	2-13/16 *71.4*	2-1/8 *54.0*	3/8 *9.5*	1-5/32 *29.4*	.104 *2.6*	1100 *6225*

* Mounting bolt holes will accept either carriage or machine bolts.

FEATURES/BENEFITS PAGE B4-2	NOMENCLATURE PAGE B4-4	SELECTION PAGE B4-5	RELATED PRODUCTS PAGE B4-85

SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		With Flingers	
		Part No.	Description	Part No.	Description
203	1/2	**131100**	F4B-SXR-008	@	F4B-SXR-008-FF
	5/8	**131102**	F4B-SXR-010	@	F4B-SXR-010-FF
	17mm	***125666***	*F4B-SXR-17M*	@	*F4B-SXR-17M-FF*
204	3/4	**131104**	F4B-SXR-012	@	F4B-SXR-012-FF
	20mm	***125667***	*F4B-SXR-20M*	@	*F4B-SXR-20M-FF*
205	7/8	**131106**	F4B-SXR-014	@	F4B-SXR-014-FF
	15/16	**131107**	F4B-SXR-015	@	F4B-SXR-015-FF
	1	**131108**	F4B-SXR-100	**068207**	F4B-SXR-100-FF
	25mm	***125668***	*F4B-SXR-25M*	@	*F4B-SXR-25M-FF*
206	1-1/16	**131109**	F4B-SXR-101	@	F4B-SXR-101-FF
	1-1/8	**131110**	F4B-SXR-102	**068208**	F4B-SXR-102-FF
	1-3/16	**131111**	F4B-SXR-103	@	F4B-SXR-103-FF
	1-1/4	**064929**	F4B-SXR-104S	@	F4B-SXR-104S-FF
	30mm	***125669***	*F4B-SXR-30M*	@	*F4B-SXR-30M-FF*
207	1-1/4	**131113**	F4B-SXR-104	**068209**	F4B-SXR-104-FF
	1-5/16	**131114**	F4B-SXR-105	@	F4B-SXR-105-FF
	1-3/8	**131115**	F4B-SXR-106	@	F4B-SXR-106-FF
	1-7/16	**131116**	F4B-SXR-107	@	F4B-SXR-107-FF
	35mm	***125670***	*F4B-SXR-35M*	@	*F4B-SXR-35M-FF*

@ Assembled to order

Eccentric Collar Ball Bearings
SXR NORMAL DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
203	1/2 5/8 *17mm*	1.2 1.1 *0.5*	1-15/32 *37.3*	3 *76.2*	1-19/32 *40.5*	2-1/8 *54.0*	3/8 *M10*	33/64 *13.1*	39/64 *15.5*	1-1/8 *28.6*	1-37/64 *40.1*
204	3/4 *20mm*	1.6 *0.8*	1-23/32 *43.7*	3-3/8 *85.7*	1-51/64 *45.6*	2-1/2 *63.5*	3/8 *M10*	19/32 *15.1*	41/64 *16.3*	1-5/16 *33.3*	2-1/32 *51.6*
205	7/8 15/16 1 *25mm*	2.3 2.2 2.1 *0.9*	1-3/4 *44.5*	3-3/4 *95.3*	1-13/16 *46.0*	2-3/4 *69.9*	7/16 *M10*	19/32 *15.1*	21/32 *16.7*	1-1/2 *38.1*	2-1/8 *54.0*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.1 3.0 2.9 2.8 *1.3*	1-29/32 *48.4*	4-1/4 *108.0*	1-63/64 *50.4*	3-1/4 *82.6*	7/16 *M10*	5/8 *15.9*	47/64 *18.7*	1-3/4 *44.5*	2-5/32 *54.8*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.2 4.1 4.0 3.9 *1.8*	2-1/64 *51.2*	4-5/8 *117.5*	2-7/64 *53.6*	3-5/8 *92.1*	1/2 *M12*	41/64 *16.3*	25/32 *19.8*	2-1/8 *54.0*	2-13/32 *61.1*

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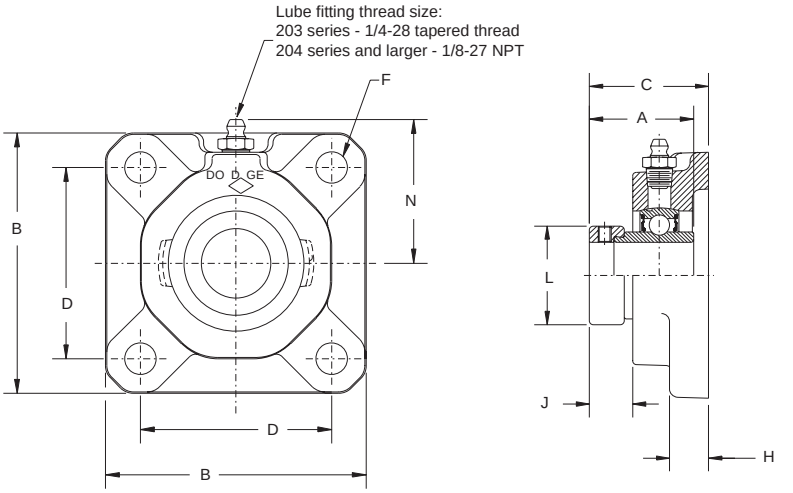
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		With Flingers	
		Part No.	Description	Part No.	Description
208	1-1/2	**131117**	F4B-SXR-108	@	F4B-SXR-108-FF
	40mm	***125671***	*F4B-SXR-40M*	@	*F4B-SXR-40M-FF*
209	1-5/8	**131120**	F4B-SXR-110	**068210**	F4B-SXR-110-FF
	1-11/16	**131121**	F4B-SXR-111	**068211**	F4B-SXR-111-FF
	1-3/4	**131122**	F4B-SXR-112	**068212**	F4B-SXR-112-FF
	45mm	***125672***	*F4B-SXR-45M*	@	*F4B-SXR-45M-FF*
210	1-15/16	**131125**	F4B-SXR-115	@	F4B-SXR-115-FF
	2	**131127**	F4B-SXR-200	@	F4B-SXR-200-FF
	50mm	***125673***	*F4B-SXR-50M*	@	*F4B-SXR-50M-FF*
211	2	**131343**	F4B-SXR-200L	@	F4B-SXR-200L-FF
	2-3/16	**131130**	F4B-SXR-203	@	F4B-SXR-203-FF
	55mm	***125674***	*F4B-SXR-55M*	@	*F4B-SXR-55M-FF*
212	2-1/4	**131132**	F4B-SXR-204	@	F4B-SXR-204-FF
	2-7/16	**131135**	F4B-SXR-207	@	F4B-SXR-207-FF
	60mm	***125675***	*F4B-SXR-60M*	@	*F4B-SXR-60M-FF*
215	2-15/16	**131137**	F4B-SXR-215	@	F4B-SXR-215-FF
	75mm	***125676***	*F4B-SXR-75M*	@	*F4B-SXR-75M-FF*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
208	1-1/2 *40mm*	5.1 *2.3*	2-7/32 *56.4*	5-1/8 *130.2*	2-21/64 *59.1*	4 *101.6*	1/2 *M12*	21/32 *16.7*	25/32 *19.8*	2-3/8 *60.3*	2-19/32 *65.9*
209	1-5/8 1-11/16 1-3/4 *45mm*	6.4 6.2 6.0 *2.7*	2-7/32 *56.4*	5-3/8 *136.5*	2-1/32 *57.9*	4-1/8 *104.8*	1/2 *M12*	21/32 *16.7*	25/32 *19.8*	2-1/2 *64.1*	2-45/64 *68.7*
210	1-15/16 2 *50mm*	7.0 6.8 *3.1*	2-15/32 *62.7*	5-5/8 *142.9*	2-19/32 *65.9*	4-3/8 *111.1*	5/8 *M16*	25/32 *19.8*	53/64 *21.0*	2-3/4 *69.9*	2-51/64 *71.0*
211	2 2-3/16 *55mm*	10.2 9.7 *4.4*	2-13/16 *71.4*	6-3/8 *161.9*	2-15/16 *74.6*	5-1/8 *130.2*	5/8 *M16*	13/16 *20.6*	1-1/32 *26.2*	3 *76.2*	3-9/64 *79.8*
212	2-1/4 2-7/16 *60mm*	11.8 11.3 *6.0*	3-1/16 *77.8*	6-7/8 *174.6*	3-3/16 *81.0*	5-5/8 *142.9*	5/8 *M16*	13/16 *20.6*	1-3/32 *27.8*	3-5/16 *84.1*	3-15/64 *82.2*
215	2-15/16 *75mm*	18.2 *8.2*	3-5/8 *92.1*	7-3/4 *196.9*	3-25/32 *96.0*	6 *152.4*	3/4 *M16*	15/16 *23.8*	1-19/64 *32.9*	4 *101.6*	3-45/64 *94.1*

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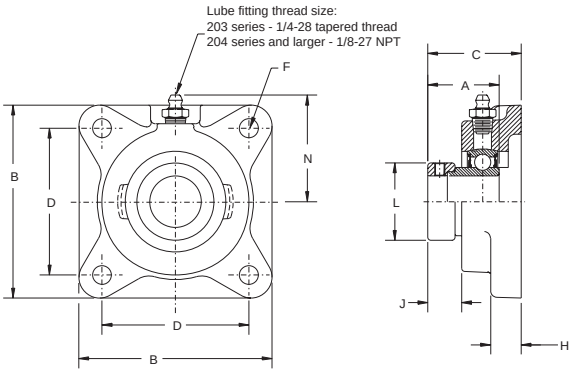
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
203	1/2	**130332**	F4B-SXV-008
	5/8	**130333**	F4B-SXV-010
	17mm	***125720***	*F4B-SXV-17M*
204	3/4	**131377**	F4B-SXV-012
	20mm	***125721***	*F4B-SXV-20M*
205	7/8	**131378**	F4B-SXV-014
	15/16	**131379**	F4B-SXV-015
	1	**131380**	F4B-SXV-100
	25mm	***125722***	*F4B-SXV-25M*
206	1-1/16	**131381**	F4B-SXV-101
	1-1/8	**131382**	F4B-SXV-102
	1-3/16	**131383**	F4B-SXV-103
	1-1/4	**131384**	F4B-SXV-104S
	30mm	***125723***	*F4B-SXV-30M*
207	1-1/4	**131385**	F4B-SXV-104
	1-5/16	**131386**	F4B-SXV-105
	1-3/8	**131387**	F4B-SXV-106
	1-7/16	**131388**	F4B-SXV-107
	35mm	***125724***	*F4B-SXV-35M*
208	1-1/2	**131389**	F4B-SXV-108
	40mm	***125725***	*F4B-SXV-40M*
209	1-11/16	**130334**	F4B-SXV-111
	1-3/4	**130335**	F4B-SXV-112
	45mm	***125726***	*F4B-SXV-45M*
210	1-15/16	**130336**	F4B-SXV-115
	2	**130337**	F4B-SXV-200
	50mm	***125727***	*F4B-SXV-50M*
211	2	**130338**	F4B-SXV-200L
	2-3/16	**130339**	F4B-SXV-203
	55mm	***125728***	*F4B-SXV-55M*

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Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
203	1/2 5/8 *17mm*	1.1 1.0 *0.5*	1-1/8 *28.6*	3 *76.2*	1-3/16 *30.2*	2-1/8 *54.0*	3/8 *M10*	7/16 *11.1*	9/16 *14.3*	1-1/8 *28.6*	1-11/16 *43.3*
204	3/4 *20mm*	1.7 *0.7*	1-7/32 *31.0*	3-3/8 *85.7*	1-3/8 *34.9*	2-1/2 *63.5*	3/8 *M10*	7/16 *11.1*	37/64 *14.7*	1-5/16 *33.3*	1-15/16 *49.7*
205	7/8 15/16 1 *25mm*	2.3 2.2 2.0 *0.9*	1-7/32 *31.0*	3-3/4 *95.3*	1-23/64 *34.5*	2-3/4 *69.9*	7/16 *M10*	1/2 *12.7*	35/64 *13.9*	1-1/2 *38.1*	2-1/16 *52.4*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.4 3.3 3.2 3.0 *1.4*	1-13/32 *35.7*	4-1/4 *108.0*	1-17/32 *38.9*	3-1/4 *82.6*	7/16 *M10*	1/2 *12.7*	39/64 *15.5*	1-3/4 *44.5*	2-3/16 *55.6*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.6 4.5 4.3 4.2 *1.9*	1-17/32 *38.9*	4-3/4 *120.7*	1-7/8 *47.6*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	21/32 *16.7*	2-1/8 *54.0*	2-7/16 *61.9*
208	1-1/2 *40mm*	5.0 *2.2*	1-23/32 *43.7*	5-1/8 *130.2*	2-1/16 *52.4*	4 *101.6*	1/2 *M12*	9/16 *14.3*	23/32 *18.3*	2-3/8 *60.3*	2-3/8 *60.9*
209	1-11/16 1-3/4 *45mm*	6.2 6.0 *2.7*	1-23/32 *43.7*	5-3/8 *136.5*	2-1/8 *53.9*	4-1/8 *104.8*	1/2 *M14*	5/8 *15.9*	11/16 *17.5*	2-1/2 *63.5*	2-3/4 *70.5*
210	1-15/16 2 *50mm*	7.0 6.8 *3.0*	1-23/32 *43.7*	5-5/8 *142.9*	2-1/8 *53.9*	4-3/8 *111.1*	1/2 *M16*	5/8 *15.9*	21/32 *16.7*	2-3/4 *69.9*	2-7/8 *73.7*
211	2 2-3/16 *55mm*	10.0 9.7 *4.3*	1-29/32 *48.4*	6-1/2 *165.1*	2-5/32 *54.8*	5-1/8 *130.2*	5/8 *M16*	11/16 *17.5*	25/32 *19.8*	3 *76.2*	3-1/4 *83.3*

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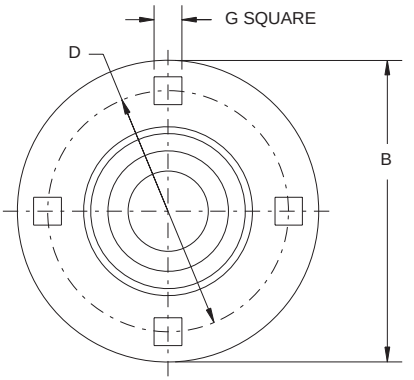
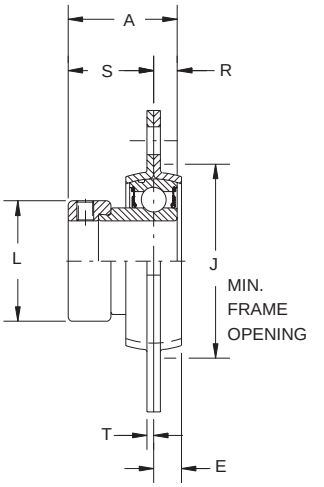
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings
SLX LIGHT DUTY 4-BOLT FLANGE BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
208	1-1/2	**128192**	F4B-SLX-108
	40mm	*@*	*F4B-SLX-40M*
210	1-15/16	**128193**	F4B-SLX-115
	2	**128194**	F4B-SLX-200
	50mm	*@*	*F4B-SLX-50M*
211	2	**128195**	F4B-SLX-200L
	2-3/16	**128196**	F4B-SLX-203
	55mm	*@*	*F4B-SLX-55M*

@ Assembled to order

Eccentric Collar Ball Bearings
SLX LIGHT DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	D	E	G*	J	L	R	S	T	Housing Radial Load Rating (lbs)
208	1-1/2 *40mm*	3.00 *1.38*	1-23/32 *43.7*	5-13/16 *147.6*	4-11/16 *119.1*	13/32 *10.3*	17/32 *13.5*	3-9/16 *90.5*	2-3/8 *60.3*	7/16 *11.1*	1-9/32 *32.5*	.134 *3.4*	1,700 *7,556*
210	1-15/16 2 *50mm*	3.55 3.40 *1.63*	1-23/32 *43.7*	6-1/8 *155.6*	5 *127.0*	7/16 *11.1*	17/32 *13.5*	4 *101.6*	2-3/4 *69.9*	7/16 *11.1*	1-9/32 *32.75*	.149 *3.8*	1,900 *8,444*
211	2 2-3/16 *55mm*	4.64 4.35 *2.14*	1-29/32 *48.4*	6-9/16 *166.7*	5-7/16 *138.1*	15/32 *11.9*	17/32 *13.5*	4-7/16 *112.7*	3 *76.2*	15/32 *11.9*	1-7/16 *36.5*	.149 *3.8*	2,300 *10,222*

*Mounting bolt holes will accept carriage or machine bolts.

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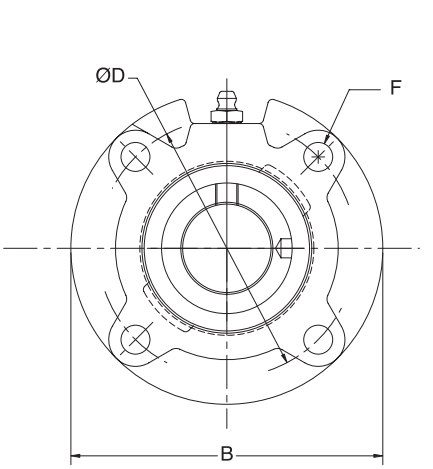
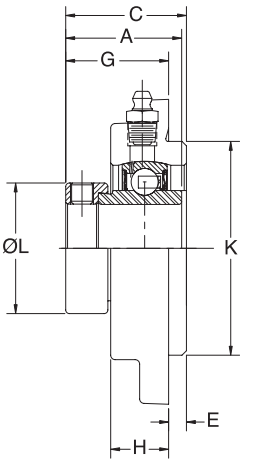
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXR NORMAL DUTY PILOTED FLANGE BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
206	1-1/16	@	FC-SXR-101
	1-1/8	@	FC-SXR-102
	1-3/16	@	FC-SXR-103
	1-1/4	**068092**	FC-SXR-104S
	30mm	***130838***	*FC-SXR-30M*
207	1-1/4	**062899**	FC-SXR-104
	1-5/16	@	FC-SXR-105
	1-3/8	@	FC-SXR-106
	1-7/16	**064762**	FC-SXR-107
	35mm	***130839***	*FC-SXR-35M*
208	1-1/2	**049950**	FC-SXR-108
	1-5/8		
	40mm	***130840***	*FC-SXR-40M*
209	1-5/8	@	FC-SXR-110
	1-11/16	**049470**	FC-SXR-111
	1-3/4	**065666**	FC-SXR-112
	45mm	***130841***	*FC-SXR-45M*
210	1-15/16	**064178**	FC-SXR-115
	2	**064096**	FC-SXR-200
	50mm	***130842***	*FC-SXR-50M*
211	2	**052959**	FC-SXR-200L
	2-3/16	**049884**	FC-SXR-203
	55mm	***065555***	*FC-SXR-55M*
212	2-1/4	@	FC-SXR-204
	2-7/16	**052567**	FC-SXR-207
	60mm	***130843***	*FC-SXR-60M*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
	1-1/16	3.4	1-29/32	4-3/8	1-25/32	3-5/8	1/4	3/8	1-17/32	13/16	3	1-3/4
	1-1/8	3.4										
206	1-3/16	3.2										
	1-1/4	3.1										
	30mm	*1.4*	*48.4*	*111.1*	*45.2*	*92.1*	*6.4*	*M10*	*38.9*	*20.6*	*76.2*	*44.5*
	1-1/4	4.6	2-1/64	5	2	4-1/8	3/8	3/8	1-41/64	27/32	3-3/8	2-1/8
	1-5/16	4.5										
207	1-3/8	4.3										
	1-7/16	4.2										
	35mm	*1.9*	*51.2*	*127.0*	*51.0*	*104.8*	*9.5*	*M10*	*41.5*	*21.4*	*85.7*	*54.0*
	1-1/2	5.1	2-7/32	5-1/4	2-11/64	4-3/8	7/16	7/16	1-47/64	57/64	3-5/8	2-3/8
208	1-5/8											
	40mm	*2.2*	*56.4*	*133.4*	*55.2*	*111.1*	*11.1*	*M12*	*44.1*	*22.6*	*92.1*	*60.3*
	1-5/8	6.1	2-7/32	5-3/4	2-1/64	4-3/4	7/16	1/2	1-45/64	29/32	4	2-1/2
209	1-11/16	5.9										
	1-3/4	5.9										
	45mm	*2.6*	*56.4*	*146.1*	*54.4*	*120.7*	*11.1*	*M12*	*43.3*	*23.0*	*101.6*	*63.5*
	1-15/16	7.1	2-15/32	6-1/8	2-19/64	5-1/8	15/32	1/2	1-53/64	59/64	4-1/4	2-3/4
210	2	6.9										
	50mm	*3.2*	*62.7*	*155.6*	*58.3*	*130.2*	*11.9*	*M12*	*46.4*	*23.4*	*108.0*	*69.9*
	2	8.4	2-13/16	6-3/8	2-23/32	5-3/8	5/8	1/2	2-3/32	1	4-1/2	3
211	2-3/16	8.1										
	55mm	*3.7*	*71.4*	*161.9*	*69.1*	*136.5*	*15.9*	*M12*	*53.2*	*25.4*	*114.3*	*76.2*
	2-1/4	10.7	3-1/16	7-1/8	2-63/64	6	7/8	1/2	2-7/64	1	5	3-5/16
212	2-7/16	10.5										
	60mm	*4.9*	*77.8*	*181.0*	*75.8*	*152.4*	*22.2*	*M12*	*53.6*	*25.4*	*127.0*	*84.1*

* +0.000" -0.002"
* +0.00 -0.05mm

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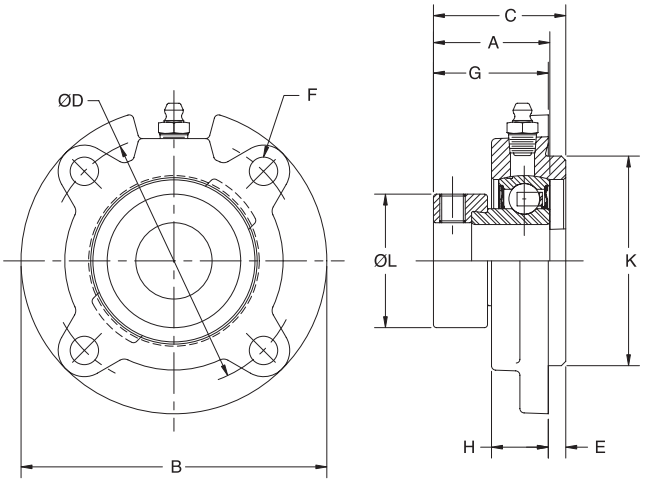
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY PILOTED FLANGE BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
206	1-1/16	@	FC-SXV-101
	1-1/8	@	FC-SXV-102
	1-3/16	@	FC-SXV-103
	1-1/4	@	FC-SXV-104S
	30mm	***130788***	*FC-SXV-30M*
207	1-1/4	@	FC-SXV-104
	1-5/16	@	FC-SXV-105
	1-3/8	@	FC-SXV-106
	1-7/16	**062337**	FC-SXV-107
	35mm	***130789***	*FC-SXV-35M*
208	1-1/2	@	FC-SXV-108
	40mm	***130790***	*FC-SXV-40M*
209	1-11/16	**062339**	FC-SXV-111
	1-3/4	@	FC-SXV-112
	45mm	***130791***	*FC-SXV-45M*
210	1-15/16	@	FC-SXV-115
	2	@	FC-SXV-200
	50mm	***130792***	*FC-SXV-50M*
211	2	@	FC-SXV-200L
	2-3/16	@	FC-SXV-203
	55mm	@	*FC-SXV-55M*

@ Assembled to order

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DODGE®

Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	3.2 3.1 3.0 2.9 *1.3*	1-13/32 *35.7*	4-3/8 *111.1*	1-41/64 *41.8*	3-5/8 *92.1*	1/4 *6.4*	3/8 *M10*	1-25/64 *35.5*	13/16 *20.6*	3 *76.2*	1-3/4 *44.5*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	4.2 4.1 4.0 3.9 *1.8*	1-17/32 *38.9*	5 *127.0*	1-57/64 *48.0*	4-1/8 *104.8*	3/8 *9.5*	3/8 *M10*	1-33/64 *38.5*	27/32 *21.4*	3-3/8 *85.7*	2-1/8 *54.0*
208	1-1/2 *40mm*	4.6 *2.0*	1-23/32 *43.7*	5-1/4 *133.4*	2-5/64 *52.9*	4-3/8 *111.1*	7/16 *11.1*	7/16 *M12*	1-41/64 *41.8*	57/64 *22.6*	3-5/8 *92.1*	2-3/8 *60.3*
209	1-11/16 1-3/4 *45mm*	5.5 5.4 *2.4*	1-23/32 *43.7*	5-3/4 *146.1*	2-3/64 *52.1*	4-3/4 *120.7*	7/16 *11.1*	1/2 *M12*	1-39/64 *41.0*	29/32 *23.0*	4 *101.6*	2-1/2 *63.5*
210	1-15/16 2 *50mm*	6.4 6.3 *2.9*	1-23/32 *43.7*	6-1/8 *155.6*	2-5/64 *52.9*	5-1/8 *130.2*	15/32 *11.9*	1/2 *M12*	1-39/64 *41.0*	59/64 *23.4*	4-1/4 *108.0*	2-3/4 *69.9*
211	2 2-3/16 *55mm*	7.3 7.2 *3.3*	1-29/32 *48.4*	6-3/8 *161.9*	2-7/16 *61.9*	5-3/8 *136.5*	5/8 *15.9*	1/2 *M12*	1-13/16 *46.1*	1 *25.4*	4-1/2 *114.3*	3 *76.2*

* +0.000" -0.002"
* +0.00 -0.05mm

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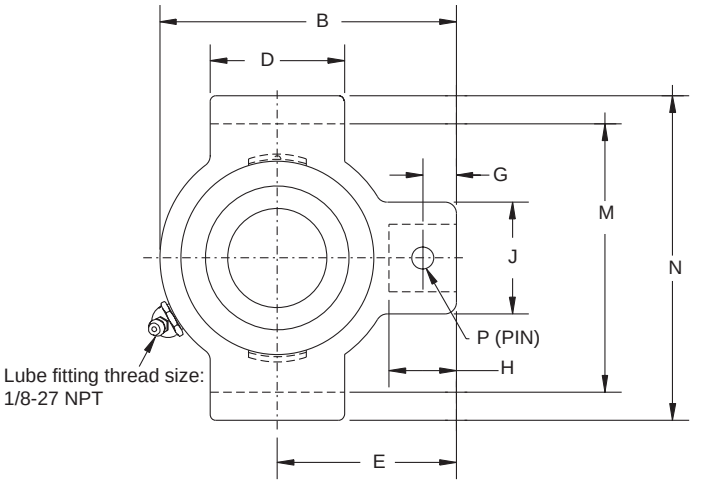
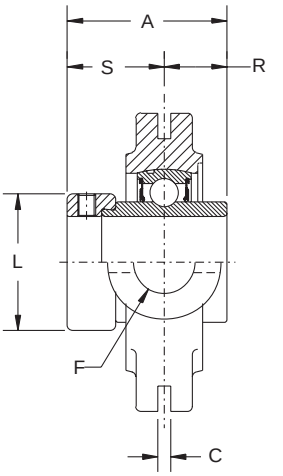
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXR NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
204	3/4	**131154**	NSTU-SXR-012
205	7/8	**131156**	NSTU-SXR-014
	15/16	**131157**	NSTU-SXR-015
	1	**131158**	NSTU-SXR-100
206	1-1/16	**131159**	NSTU-SXR-101
	1-1/8	**131160**	NSTU-SXR-102
	1-3/16	**131161**	NSTU-SXR-103
	1-1/4	@	NSTU-SXR-104S
207	1-1/4	**131163**	NSTU-SXR-104
	1-5/16	**131164**	NSTU-SXR-105
	1-3/8	**131165**	NSTU-SXR-106
	1-7/16	**131166**	NSTU-SXR-107
208	1-1/2	**131167**	NSTU-SXR-108
209	1-5/8	**131170**	NSTU-SXR-110
	1-11/16	**131171**	NSTU-SXR-111
	1-3/4	**131172**	NSTU-SXR-112
210	1-15/16	**131175**	NSTU-SXR-115
	2	**131177**	NSTU-SXR-200
211	2	@	NSTU-SXR-200L
	2-3/16	**131180**	NSTU-SXR-203
212	2-1/4	**131182**	NSTU-SXR-204
	2-7/16	**131185**	NSTU-SXR-207

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
204	3/4	1.5	NS210	1-23/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-5/16	2-5/8	3-1/8	5/16	43/64	1-3/64
205	7/8 15/16 1	1.7 1.6 1.5	NS210	1-3/4	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-1/2	2-5/8	3-1/8	5/16	11/16	1-1/16
206	1-1/16 1-1/8 1-3/16 1-1/4	2.9 2.8 2.6 2.5	NS308	1-29/32	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-3/4	3-1/2	4-1/8	5/16	23/32	1-3/16
207	1-1/4 1-5/16 1-3/8 1-7/16	3.0 2.8 2.7 2.5	NS308	2-1/64	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-1/8	3-1/2	4-1/8	5/16	47/64	1-9/32
208	1-1/2	5.0	NS400	2-7/32	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/8	4	4-3/4	3/8	27/32	1-3/8
209	1-5/8 1-11/16 1-3/4	5.4 5.2 5.0	NS400	2-7/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-1/2	4	4-3/4	3/8	27/32	1-3/8
210	1-15/16 2	5.7 5.3	NS400	2-15/32	5-1/2	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/4	4	4-3/4	3/8	31/32	1-1/2
211	2 2-3/16	7.4 7.2	NS407	2-13/16	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	3	4-7/16	5-3/8	7/16	1-3/32	1-23/32
212	2-1/4 2-7/16	10.0 9.0	NS415	3-1/16	6-11/16	5/16	3 -3/4	3-7/8	1	11/16	1-9/32	1-5/8	3-5/16	4-15/16	5-3/4	7/16	1-7/32	1-27/32

* + or -.015”

+.010, -.020”

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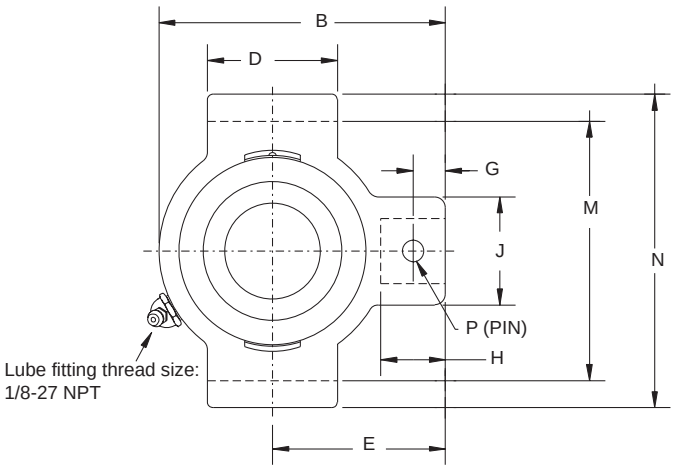
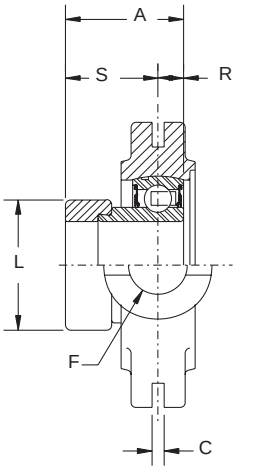
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY NARROW SLOT TAKE-UP BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
204	3/4	**131186**	NSTU-SXV-012
205	7/8	**131187**	NSTU-SXV-014
	15/16	**131188**	NSTU-SXV-015
	1	**131189**	NSTU-SXV-100
206	1-1/16	**131190**	NSTU-SXV-101
	1-1/8	**131191**	NSTU-SXV-102
	1-3/16	**131192**	NSTU-SXV-103
	1-1/4	**131193**	NSTU-SXV-104S
207	1-1/4	**131194**	NSTU-SXV-104
	1-5/16	**131195**	NSTU-SXV-105
	1-3/8	**131196**	NSTU-SXV-106
	1-7/16	**131197**	NSTU-SXV-107
208	1-1/2	**131198**	NSTU-SXV-108
209	1-11/16	**130340**	NSTU-SXV-111
	1-3/4	**130341**	NSTU-SXV-112
210	1-15/16	**130342**	NSTU-SXV-115
	2	**130343**	NSTU-SXV-200
211	2	**130344**	NSTU-SXV-200L
	2-3/16	**130345**	NSTU-SXV-203

Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
204	3/4	1.3	NS210	1-7/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-5/16	2-5/8	3-1/8	5/16	19/64	59/64
205	7/8 15/16 1	1.7 1.6 1.5	NS210	1-7/32	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-1/2	2-5/8	3-1/8	5/16	19/64	59/64
206	1-1/16 1-1/8 1-3/16 1-1/4	2.9 2.8 2.6 2.5	NS308	1-13/32	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	1-3/4	3-1/2	4-1/8	5/16	23/64	1-3/64
207	1-1/4 1-5/16 1-3/8 1-7/16	2.8 2.7 2.6 2.5	NS308	1-17/32	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-1/8	3-1/2	4-1/8	5/16	3/8	1-5/32
208	1-1/2	4.7	NS400	1-23/32	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/8	4	4-3/4	3/8	7/16	1-9/32
209	1-11/16 1-3/4	4.8 4.7	NS400	1-23/32	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-1/2	4	4-3/4	3/8	7/16	1-9/32
210	1-15/16 2	4.9 4.8	NS400	1-23/32	5-1/2	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-3/4	4	4-3/4	3/8	7/16	1-9/32
211	2 2-3/16	6.8 6.8	NS407	1-29/32	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	3	4-7/16	5-3/8	7/16	15/32	1-7/16

* + or -.015”

+.010, -.020”

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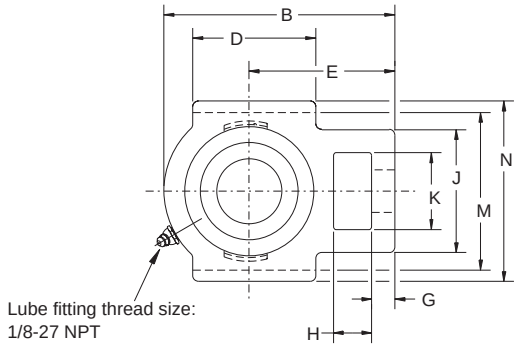
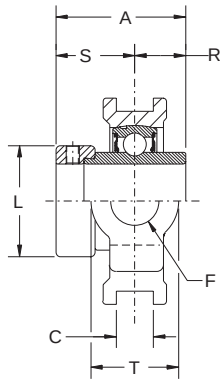
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXR NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS





Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
204	3/4	**131204**	WSTU-SXR-012	@	WSTU-SXR-012-NL
	20mm	***130845***	*WSTU-SXR-20M*	@	*WSTU-SXR-20M-NL*
205	7/8	**131206**	WSTU-SXR-014	**068471**	WSTU-SXR-014-NL
	15/16	**131207**	WSTU-SXR-015	@	WSTU-SXR-015-NL
	1	**131208**	WSTU-SXR-100	@	WSTU-SXR-100-NL
	25mm	***130846***	*WSTU-SXR-25M*	@	*WSTU-SXR-25M-NL*
206	1-1/16	**131209**	WSTU-SXR-101	@	WSTU-SXR-101-NL
	1-1/8	**131210**	WSTU-SXR-102	@	WSTU-SXR-102-NL
	1-3/16	**131211**	WSTU-SXR-103	**065634**	WSTU-SXR-103-NL
	1-1/4	@	WSTU-SXR-104S	@	WSTU-SXR-104S-NL
	30mm	***130847***	*WSTU-SXR-30M*	@	*WSTU-SXR-30M-NL*
207	1-1/4	**131213**	WSTU-SXR-104	**068471**	WSTU-SXR-104-NL
	1-5/16	**131214**	WSTU-SXR-105	@	WSTU-SXR-105-NL
	1-3/8	**131215**	WSTU-SXR-106	@	WSTU-SXR-106-NL
	1-7/16	**131216**	WSTU-SXR-107	**051606**	WSTU-SXR-107-NL
	35mm	***130848***	*WSTU-SXR-35M*	@	*WSTU-SXR-35M-NL*
208	1-1/2	**131217**	WSTU-SXR-108	**058996**	WSTU-SXR-108-NL
	40mm	***130849***	*WSTU-SXR-40M*	@	*WSTU-SXR-40M-NL*
209	1-5/8	**131220**	WSTU-SXR-110	@	WSTU-SXR-110-NL
	1-11/16	**131221**	WSTU-SXR-111	@	WSTU-SXR-111-NL
	1-3/4	**131222**	WSTU-SXR-112	@	WSTU-SXR-112-NL
	45mm	***130850***	*WSTU-SXR-45M*	@	*WSTU-SXR-45M-NL*
210	1-15/16	**131225**	WSTU-SXR-115	@	WSTU-SXR-115-NL
	2	**131227**	WSTU-SXR-200	**049845**	WSTU-SXR-200-NL
	50mm	***130851***	*WSTU-SXR-50M*	@	*WSTU-SXR-50M-NL*
211	2	@	WSTU-SXR-200L	@	WSTU-SXR-200L-NL
	2-3/16	**131230**	WSTU-SXR-203	@	WSTU-SXR-203-NL
	55mm	***130852***	*WSTU-SXR-55M*	@	*WSTU-SXR-55M-NL*
212	2-1/4	**131232**	WSTU-SXR-204	@	WSTU-SXR-204-NL
	2-7/16	**131235**	WSTU-SXR-207	**052045**	WSTU-SXR-207-NL
	60mm	***130853***	*WSTU-SXR-60M*	@	*WSTU-SXR-60M-NL*
215	2-15/16	**049385**	WSTU-SXR-215	@	WSTU-SXR-215-NL
	75mm	***130854***	*WSTU-SXR-75M*	@	*WSTU-SXR-75M-NL*

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M#	N	R	S	T
204	3/4	2.1	WS300	1-23/32	3-11/16	17/32	2	2-3/8	5/8	3/8	5/8	2	1-1/4	1-5/16	3	3-5/8	43/64	1-3/64	1-3/8
	20mm	*1.0*		*43.7*	*93.7*	*13.5*	*50.8*	*60.3*	*15.9*	*9.5*	*15.9*	*50.8*	*31.8*	*33.3*	*76.2*	*92.1*	*17.1*	*26.6*	*34.9*
205	7/8 15/16 1	2.3 2.2 2.1	WS300	1-3/4	3-13/16	17/32	2	2-7/16	5/8	3/8	5/8	2	1-5/16	1-1/2	3	3-5/8	11/16	1-1/16	1-3/8
	25mm	*1.0*		*44.5*	*96.8*	*13.5*	*50.8*	*61.9*	*15.9*	*9.5*	*15.9*	*50.8*	*33.3*	*38.1*	*76.2*	*92.1*	*17.5*	*27.0*	*34.9*
206	1-1/16 1-1/8 1-3/16 1-1/4	3.1 2.9 2.8 2.7	WS308	1-29/32	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	1-3/4	3-1/2	4-1/8	23/32	1-3/16	1-5/8
	30mm	*1.3*		*48.4*	*111.1*	*13.5*	*57.2*	*69.9*	*19.1*	*9.5*	*15.9*	*55.6*	*36.5*	*44.5*	*88.9*	*104.8*	*18.3*	*30.2*	*41.3*
207	1-1/4 1-5/16 1-3/8 1-7/16	3.8 3.7 3.6 3.5	WS308	2-1/64	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-1/8	3-1/2	4-1/8	47/64	1-9/32	1-5/8
	35mm	*1.6*		*52.3*	*123.8*	*13.5*	*63.5*	*77.8*	*19.1*	*12.7*	*15.9*	*63.5*	*36.5*	*54.0*	*88.9*	*104.8*	*18.8*	*32.4*	*41.3*
208	1-1/2	6.2	WS400	2-7/32	5-11/16	11/16	3-1/4	3-1/2	1	5/8	3/4	3-1/4	1-15/16	2-3/8	4	4-1/2	27/32	1-3/8	1-15/16
	40mm	*2.8*		*56.4*	*144.5*	*17.5*	*82.6*	*88.9*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*60.3*	*101.6*	*114.3*	*21.4*	*34.9*	*49.2*
209	1-5/8 1-11/16 1-3/4	6.5 6.4 6.3	WS400	2-7/32	5-5/8	11/16	3-1/4	3-7/16	1	5/8	3/4	3-1/4	1-15/16	2-1/2	4	4-3/4	27/32	1-3/8	1-15/16
	45mm	*2.9*		*56.4*	*142.9*	*17.5*	*82.6*	*87.3*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*63.5*	*101.6*	*120.7*	*21.4*	*34.9*	*49.2*
210	1-15/16 2	6.9 6.8	WS400	2-15/32	5-13/16	11/16	3-3/8	3-9/16	1	5/8	3/4	3-1/4	1-15/16	2-3/4	4	4-3/4	31/32	1-1/2	1-15/16
	50mm	*3.1*		*62.7*	*147.6*	*17.5*	*85.7*	*90.5*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*69.9*	*101.6*	*120.7*	*24.6*	*38.1*	*49.2*
211	2 2-3/16	10.3 10.0	WS502	2-13/16	6-11/16	1-1/16	3-3/4	4-3/16	1-1/4	3/4	1	4	2-1/2	3	5-1/8	5-7/8	1-3/32	1-23/32	2-1/2
	55mm	*4.7*		*71.4*	*169.9*	*27.0*	*95.3*	*106.4*	*31.8*	*19.1*	*25.4*	*101.6*	*63.5*	*76.2*	*130.2*	*149.2*	*27.8*	*43.7*	*63.5*
212	2-1/4 2-7/16	13.0 12.8	WS502	3-1/16	7-1/2	1-1/16	4	4-11/16	1-1/4	3/4	1-1/4	4	2-1/2	3-5/16	5-1/8	5-7/8	1-7/32	1-27/32	2-1/2
	60mm	*5.9*		*77.8*	*190.5*	*27.0*	*101.6*	*119.1*	*31.8*	*19.1*	*31.8*	*101.6*	*63.5*	*84.1*	*130.2*	*149.2*	*31.0*	*46.8*	*63.5*
215	2-15/16	21.0	WS515	3-5/8	9-1/8	1-1/16	4-3/4	5-1/2	1-1/2	13/16	1-1/4	4-3/8	2-3/4	4	5-15/16	6-11/16	1-15/32	2-5/32	2-3/4
	75mm	*9.6*		*92.1*	*231.8*	*27.0*	*120.7*	*139.7*	*38.1*	*20.6*	*31.8*	*111.1*	*69.9*	*101.6*	*150.8*	*169.9*	*37.3*	*54.8*	*69.9*

*+ or -.015", + or -.38mm

*+ or -.015", + or -.38mm

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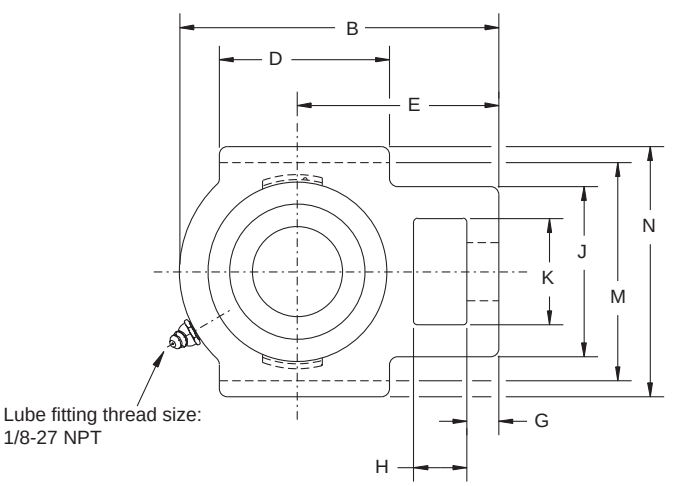
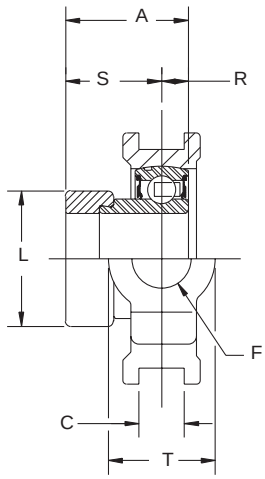
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXV INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
204	3/4	**131238**	WSTU-SXV-012
	20mm	***130793***	*WSTU-SXV-20M*
205	7/8	**131239**	WSTU-SXV-014
	15/16	**131240**	WSTU-SXV-015
	1	**131241**	WSTU-SXV-100
	25mm	***130794***	*WSTU-SXV-25M*
206	1-1/8	**131243**	WSTU-SXV-102
	1-3/16	**131244**	WSTU-SXV-103
	1-1/4	**131245**	WSTU-SXV-104S
	30mm	***130795***	*WSTU-SXV-30M*
207	1-1/4	**131246**	WSTU-SXV-104
	1-3/8	**131248**	WSTU-SXV-106
	1-7/16	**131249**	WSTU-SXV-107
	35mm	***130796***	*WSTU-SXV-35M*
208	1-1/2	**131250**	WSTU-SXV-108
	40mm	***130797***	*WSTU-SXV-40M*
209	1-11/16	**130346**	WSTU-SXV-111
	1-3/4	**130347**	WSTU-SXV-112
	45mm	***130798***	*WSTU-SXV-45M*
210	1-15/16	**130348**	WSTU-SXV-115
	2	**130349**	WSTU-SXV-200
	50mm	***130799***	*WSTU-SXV-50M*
211	2	**130350**	WSTU-SXV-200L
	2-3/16	**130351**	WSTU-SXV-203
	55mm	**@**	*WSTU-SXV-55M*

@ Assemble to order

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DODGE®

Eccentric Collar Ball Bearings
SXV INTERMEDIATE DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs kg	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M#	N	R	S	T
204	3/4	1.2	WS300	1-7/32	3-11/16	17/32	2	2-3/8	5/8	3/8	5/8	2	1-1/4	1-5/16	3	3-5/8	19/64	59/64	1-3/8
	20mm	*0.5*		*31.0*	*93.7*	*13.5*	*50.8*	*60.3*	*15.9*	*9.5*	*15.9*	*50.8*	*31.8*	*33.3*	*76.2*	*92.1*	*7.5*	*23.4*	*34.9*
205	7/8 15/16 1	1.7 1.6 1.5	WS300	1-7/32	3-13/16	17/32	2	2-7/16	5/8	3/8	5/8	2	1-5/16	1-1/2	3	3-5/8	19/64	59/64	1-3/8
	25mm	*0.7*		*31.0*	*96.8*	*13.5*	*50.8*	*61.9*	*15.9*	*9.5*	*15.9*	*50.8*	*33.3*	*38.1*	*76.2*	*92.1*	*11.5*	*19.4*	*34.9*
206	1-1/8 1-3/16 1-1/4	2.8 2.6 2.5	WS308	1-13/32	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	1-3/4	3-1/2	4-1/8	23/64	1-3/64	1-5/8
	30mm	*1.2*		*35.7*	*111.1*	*13.5*	*57.2*	*69.9*	*19.1*	*9.5*	*15.9*	*55.6*	*36.5*	*44.5*	*88.9*	*104.8*	*9.1*	*26.7*	*41.3*
207	1-1/4 1-3/8 1-7/16	2.8 2.6 2.5	WS308	1-17/32	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-1/8	3-1/2	4-1/8	3/8	1-5/32	1-5/8
	35mm	*1.2*		*38.9*	*123.8*	*13.5*	*63.5*	*77.8*	*19.1*	*12.7*	*15.9*	*63.5*	*36.5*	*54.0*	*88.9*	*104.8*	*9.5*	*29.4*	*41.3*
208	1-1/2	4.7	WS400	1-23/32	5-11/16	11/16	3-1/4	3-1/2	1	5/8	3/4	3-1/4	1-15/16	2-3/8	4	4-1/2	7/16	1-9/32	1-15/16
	40mm	*2.2*		*43.7*	*144.5*	*17.5*	*82.6*	*88.9*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*60.3*	*101.6*	*114.3*	*11.1*	*32.5*	*49.2*
209	1-11/16 1-3/4	4.8 4.7	WS400	1-23/32	5-5/8	11/16	3-1/4	3-7/16	1	5/8	3/4	3-1/4	1-15/16	2-1/2	4	4-3/4	7/16	1-9/32	1-15/16
	45mm	*2.2*		*43.7*	*142.9*	*17.5*	*82.6*	*87.3*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*63.5*	*101.6*	*120.7*	*11.1*	*32.5*	*49.2*
210	1-15/16 2	4.9 4.8	WS400	1-23/32	5-13/16	11/16	3-3/8	3-9/16	1	5/8	3/4	3-1/4	1-15/16	2-3/4	4	4-3/4	7/16	1-9/32	1-15/16
	50mm	*2.2*		*43.7*	*147.6*	*17.5*	*85.7*	*90.5*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*69.9*	*101.6*	*120.7*	*11.1*	*32.5*	*49.2*
211	2 2-3/16	6.8 6.6	WS502	1-29/32	6-11/16	1-1/16	3-3/4	4-3/16	1-1/4	3/4	1	4	2-1/2	3	5-1/8	5-7/8	15/32	1-7/16	2-1/2
	55mm	*3.1*		*48.4*	*169.9*	*27.0*	*95.3*	*106.4*	*31.8*	*19.1*	*25.4*	*101.6*	*63.5*	*76.2*	*130.2*	*149.2*	*11.9*	*36.5*	*63.5*

*+ or -.015" + or -.38mm

*+ or -.015", + or -.38mm"

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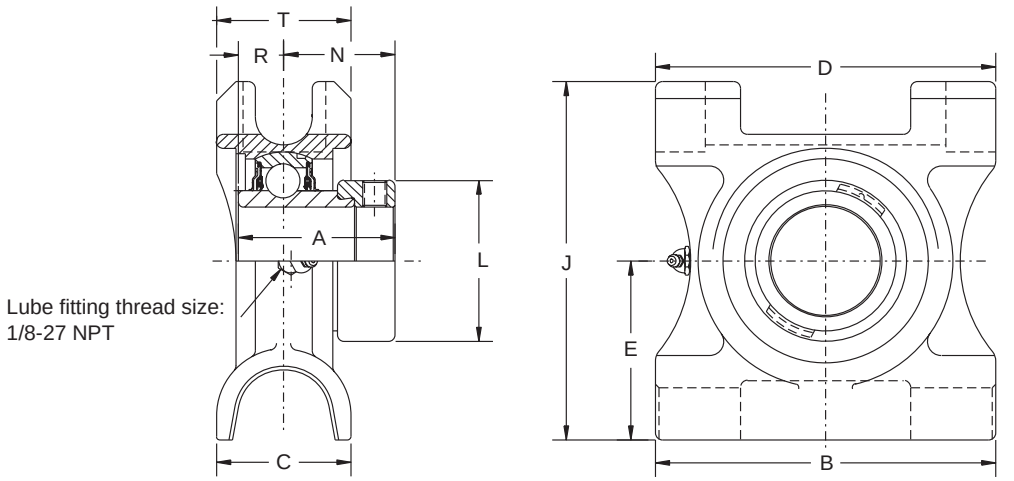
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

TYPE GXR NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS



Series	Shaft Size	Part No.	Description
210	1-15/16	**131536**	TP-GXR-115
	2	**131537**	TP-GXR-200
211	2	@	TP-GXR-200L
	2-3/16	**131540**	TP-GXR-203
212	2-1/4	**131542**	TP-GXR-204
	2-7/16	**131545**	TP-GXR-207
215	2-15/16	@	TP-GXR-215

@ Assembled to order

Eccentric Collar Ball Bearings

TYPE GXR NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C	D	E	J	L	N	R	T
210	1-15/16 2	10.2 10.0	TP10	2-15/32	6-1/2	2-3/8	6	3-1/4	6-3/8	2-3/4	1-1/2	31/32	2-3/8
211	2 2-3/16	13.2 13.0	TP20	2-13/16	7	2-1/2	6-3/4	3-3/8	6-7/8	3	1-23/32	1-3/32	2-3/8
212	2-1/4 2-7/16	16.2 16.0	TP30	3-1/16	7-1/2	2-3/4	7	3-1/2	7-7/16	3-5/16	1-27/32	1-7/32	2-3/4
215	2-15/16	21.8	TP40	3-5/8	8-1/2	2-1/2	8	4	8-5/16	4	2-5/32	1-15/32	2-3/4

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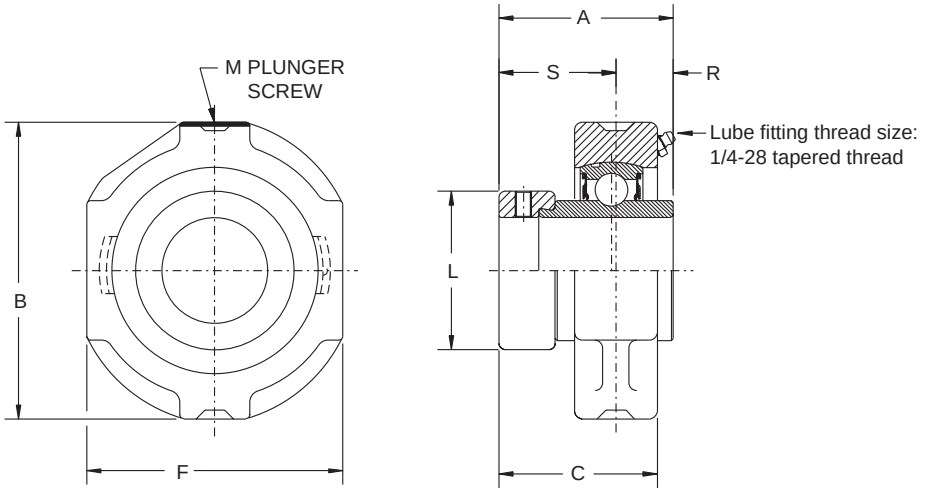
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY HANGER BEARINGS



Series	Shaft Size	Part No.	Description
206	1-1/16	**131259**	HNG-SXR-101
	1-1/8	**131260**	HNG-SXR-102
	1-3/16	**131261**	HNG-SXR-103
	1-1/4	**@**	HNG-SXR-104S
207	1-1/4	**131263**	HNG-SXR-104
	1-5/16	**131264**	HNG-SXR-105
	1-3/8	**131265**	HNG-SXR-106
	1-7/16	**131266**	HNG-SXR-107
210	1-15/16	**131275**	HNG-SXR-115
	2	**131276**	HNG-SXR-200

@ Assembled to order

Eccentric Collar Ball Bearings
SXR NORMAL DUTY HANGER BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	F	L	M	R	S
206	1-1/16 1-1/8 1-3/16 1-1/4	2.0 1.9 1.8 1.7	1-29/32	3-5/8	1-15/32	3	1-3/4	1/2	23/32	1-3/16
207	1-1/4 1-5/16 1-3/8 1-7/16	3.2 3.0 2.8 2.6	2-1/64	4-1/4	1-43/64	3-1/2	2-1/8	1/2	47/64	1-9/32
210	1-15/16 2	6.2 6.0	2-15/32	5	1-31/32	4-3/16	2-3/4	5/8	31/32	1-1/2

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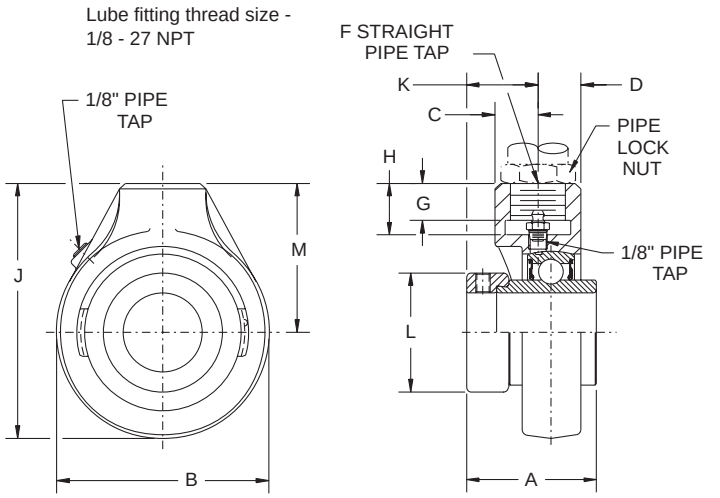
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

SXR NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS



Series	Shaft Size	Part No.	Description
206	1-1/8	@	SCHB-SXR-102
207	1-1/4 1-3/8	@ @	SCHB-SXR-104 SCHB-SXR-106
208	1-1/2	**131317**	SCHB-SXR-108
210	1-15/16 2	**131325** **131327**	SCHB-SXR-115 SCHB-SXR-200
212	2-1/4 2-7/16	@ **131335**	SCHB-SXR-204 SCHB-SXR-207

@ Assembled to order

FEATURES/BENEFITS PAGE B4-2 | NOMENCLATURE PAGE B4-4 | SELECTION PAGE B4-5 | RELATED PRODUCTS PAGE B4-85

Eccentric Collar Ball Bearings
SXR NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	D	F* (NPSM)	G	H	J	K	L	M
206	1-1/8	3.1	1-29/32	3-1/8	53/64	47/64	3/4 - 14	3/4	15/16	4-1/16	1-3/16	1-3/4	2-1/2
207	1-1/4 1-3/8	3.7 3.5	2-1/64	3-7/8	53/64	53/64	3/4 - 14	5/8	15/16	4-11/16	19/32	2-1/8	2-3/4
208	1-1/2	4.0	2-7/32	4	53/64	53/64	3/4 - 14	5/8	15/16	4-7/8	1-3/8	2-3/8	2-7/8
210	1-15/16 2	5.5 5.3	2-15/32	4-5/8	15/16	7/8	1 - 11-1/2	13/16	1-1/8	5-9/16	1-1/2	2-3/4	3-1/4
212	2-1/4 2-7/16	9.4 9.2	3-1/16	5-1/2	1-5/32	1-5/32	1-1/4 - 11-1/2	1-1/8	1-7/16	6-3/4	1-27/32	3-5/16	4

* Use straight thread for the pipe. Bearing can be secured with a heavy locknut.
Pipe plug and lube fitting are factory installed and may be reversed from position shown.
Note: Inserts use the ProGard Plus (-FF) seals.

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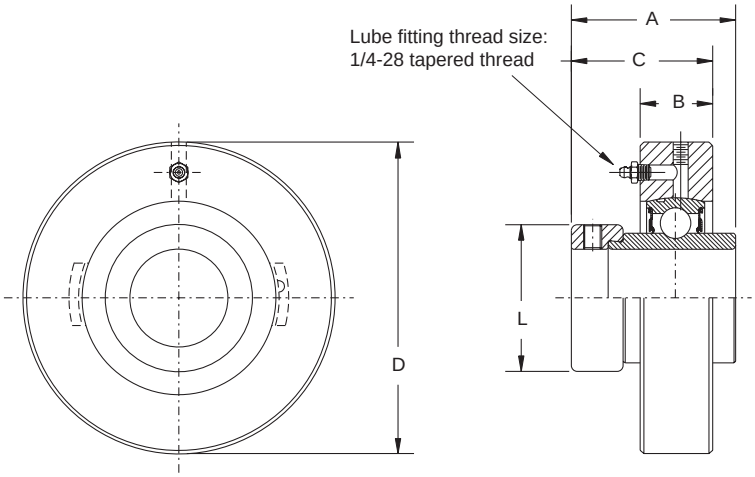
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY CYLINDRICAL UNITS



Series	Shaft Size	Part No.	Description
205	7/8	**131356**	CYL-SXR-014
	15/16	**131357**	CYL-SXR-015
	1	**131358**	CYL-SXR-100
206	1-1/16	**131359**	CYL-SXR-101
	1-1/8	**131360**	CYL-SXR-102
	1-3/16	**131361**	CYL-SXR-103
	1-1/4	**@**	CYL-SXR-104S
207	1-1/4	**131363**	CYL-SXR-104
	1-5/16	**131364**	CYL-SXR-105
	1-3/8	**131365**	CYL-SXR-106
	1-7/16	**131366**	CYL-SXR-107

@ Assembled to order

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY CYLINDRICAL UNITS

Series	Shaft Size	Weight lbs	A	B	C	D*	L
205	7/8 15/16 1	1.4 1.3 1.2	1-3/4	27/32	1-15/32	3-1/8	1-1/2
206	1-1/16 1-1/8 1-3/16 1-1/4	2.2 2.1 2.0 1.9	1-29/32	15/16	1-5/8	3-1/2	1-3/4
207	1-1/4 1-5/16 1-3/8 1-7/16	2.8 2.7 2.6 2.5	2-1/64	1-1/16	1-25/32	3-7/8	2-1/8

* +.000 -.002

To prevent the housing from rotating in the machine frame, tap a hole on the joint between the housing O. D. and the machine frame bore and lock with a setscrew

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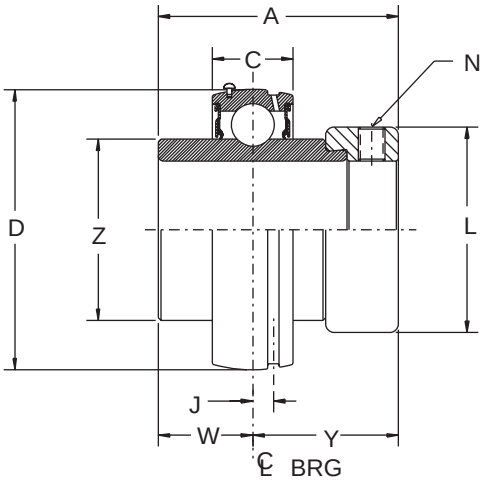
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Part No.	Description
203	1/2	**131900**	INS-SXR-008
	5/8	**131902**	INS-SXR-010
	17mm	***125625***	*INS-SXR-17M*
204	3/4	**131904**	INS-SXR-012
	20mm	***125626***	*INS-SXR-20M*
205	7/8	**131906**	INS-SXR-014
	15/16	**131907**	INS-SXR-015
	1	**131908**	INS-SXR-100
	25mm	***125627***	*INS-SXR-25M*
206	1-1/16	**131909**	INS-SXR-101
	1-1/8	**131910**	INS-SXR-102
	1-3/16	**131911**	INS-SXR-103
	1-1/4	**@**	INS-SXR-104S
	30mm	***125628***	*INS-SXR-30M*
207	1-1/4	**131912**	INS-SXR-104
	1-5/16	**131913**	INS-SXR-105
	1-3/8	**131914**	INS-SXR-106
	1-7/16	**131915**	INS-SXR-107
	35mm	***125629***	*INS-SXR-35M*

Eccentric Collar Ball Bearings
SXR NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kg*	A	C	D	J	L	N	W	Y	Z
203	1/2 5/8 *17mm*	0.3 0.3 *0.1*	1-15/32 *37.3*	0.5110 *13.0*	1.5748 *40.0*	0.150 *3.8*	1-1/8 *28.6*	10-32 *M6x1*	35/64 *15.2*	59/64 *23.4*	31/32 *24.3*
204	3/4 *20mm*	0.5 *0.2*	1-23/32 *43.7*	0.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-5/16 *33.3*	1/4-28 *M6x1*	43/64 *17.1*	1-3/64 *26.6*	1-1/8 *28.8*
205	7/8 15/16 1 *25mm*	0.6 0.6 0.5 *0.2*	1-3/4 *44.5*	0.5906 *15.0*	2.0472 *52.0*	0.152 *3.9*	1-1/2 *38.1*	1/4-28 *M6x1*	11/16 *17.5*	1-1/16 *27.0*	1-21/64 *33.8*
206	1-1/16 1-1/8 1-3/16 1-1/4 *30mm*	0.9 0.9 0.8 0.8 *0.4*	1-29/32 *48.4*	0.7087 *18.0*	2.4409 *62.0*	0.190 *4.8*	1-3/4 *44.5*	5/16-24 *M8x1.25*	23/32 *18.3*	1-3/16 *30.2*	1-37/64 *40.4*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.4 1.3 1.3 1.2 *0.6*	2-1/64 *51.2*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-1/8 *54.0*	5/16-24 *M8x1.25*	3/4 *18.8*	1-17/64 *32.4*	1-27/32 *46.9*

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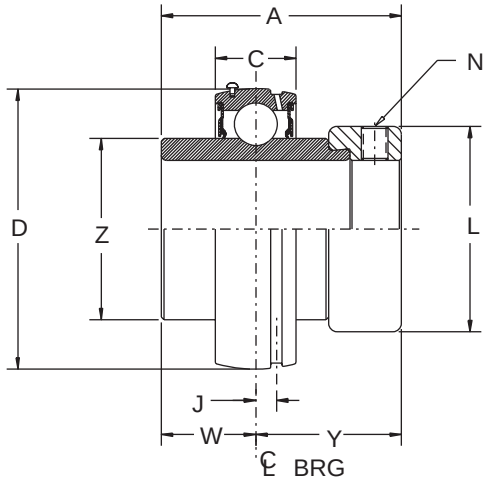
SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXR NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Part No.	Description
208	1-1/2	**131916**	INS-SXR-108
	40mm	***125630***	*INS-SXR-40M*
209	1-5/8	**131918**	INS-SXR-110
	1-11/16	**131919**	INS-SXR-111
	1-3/4	**131920**	INS-SXR-112
	45mm	***125631***	*INS-SXR-45M*
210	1-15/16	**131923**	INS-SXR-115
	2	**131924**	INS-SXR-200
	50mm	***125632***	*INS-SXR-50M*
211	2	**131934**	INS-SXR-200L
	2-3/16	**131927**	INS-SXR-203
	55mm	***125633***	*INS-SXR-55M*
212	2-1/4	**131928**	INS-SXR-204
	2-7/16	**131931**	INS-SXR-207
	60mm	***125634***	*INS-SXR-60M*
215	2-15/16	**131933**	INS-SXR-215
	75mm	***125635***	*INS-SXR-75M*

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Eccentric Collar Ball Bearings
SXR NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kg*	A	C	D	J	L	N	W	Y	Z
208	1-1/2	1.7	2-7/32	0.8661	3.1496	0.224	2-3/8	5/16-24	27/32	1-3/8	2-3/64
	40mm	*0.8*	*56.4*	*22.0*	*80.0*	*5.7*	*60.3*	*M10x1.5*	*21.4*	*34.9*	*52.9*
209	1-5/8 1-11/16 1-3/4	2.0 1.9 1.8	2-7/32	0.8661	3.3465	0.248	2-1/2	5/16-24	27/32	1-3/8	2-7/32
	45mm	*0.8*	*56.4*	*22.0*	*85.0*	*6.4*	*64.1*	*M8x1.25*	*21.4*	*34.9*	*56.4*
210	1-15/16 2	2.2 2.0	2-15/32	0.8661	3.5433	0.248	2-3/4	3/8-24	31/32	1-1/2	2-7/16
	50mm	*1.0*	*62.7*	*22.0*	*90.0*	*6.3*	*69.9*	*M10x1.5*	*24.6*	*38.1*	*62.8*
211	2 2-3/16	3.4 2.9	2-13/16	0.9449	3.9370	0.267	3	3/8-24	1-3/32	1-23/32	2-23/32
	55mm	*1.3*	*71.4*	*24.0*	*100.0*	*6.8*	*76.2*	*M12x1.75*	*27.8*	*43.7*	*69.1*
212	2-1/4 2-7/16	3.8 3.5	3-1/16	1.0240	4.3307	0.250	3-5/16	7/16-20	1-7/32	1-27/32	2-31/32
	60mm	*1.7*	*77.8*	*26.0*	*110.0*	*6.4*	*84.1*	*M12x1.75*	*31.0*	*46.8*	*75.4*
215	2-15/16	4.5	3-5/8	1.1420	5.1181	0.265	4	7/16-20	1-15/32	2-5/32	3-5/16
	75mm	*2.0*	*92.1*	*29.0*	*130.0*	*6.7*	*101.6*	*M12x1.75*	*37.3*	*54.8*	*84.1*

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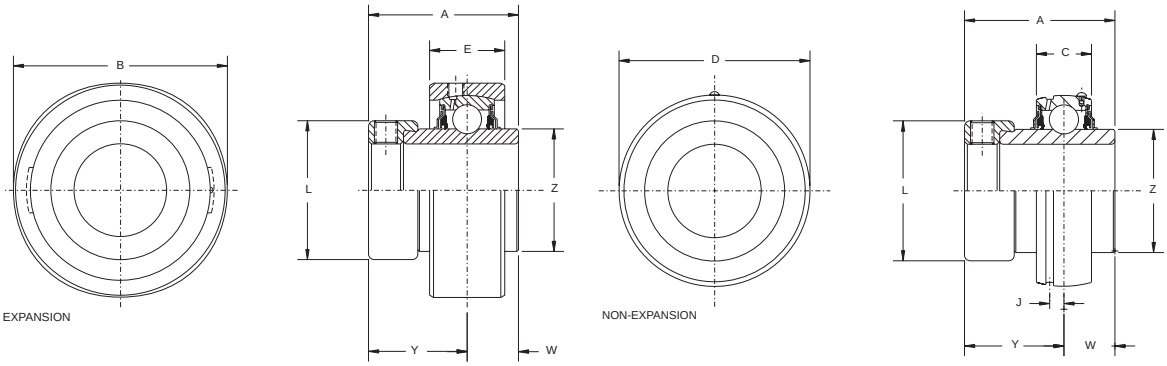
SELECTION/DIMENSIONS

DODGE®

Eccentric Collar Ball Bearings

SXRH-E EXPANSION AND SXRH NON-EXPANSION NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Expansion Insert		Non-Expansion Insert	
		Part No.	Description	Part No.	Description
206	1-1/16	**068849**	INS-SXRH-101-E	@	INS-SXRH-101
	1-1/8	@	INS-SXRH-102-E	@	INS-SXRH-102
	1-3/16	**126475**	INS-SXRH-103-E	**126475**	INS-SXRH-103
	1-1/4	@	INS-SXRH-104S-E	@	INS-SXRH-104S
	30mm	@	*INS-SXRH-30M-E*	@	*INS-SXRH-30M*
207	1-1/4	@	INS-SXRH-104-E	@	INS-SXRH-104
	1-5/16	@	INS-SXRH-105-E	@	INS-SXRH-105
	1-3/8	@	INS-SXRH-106-E	@	INS-SXRH-106
	1-7/16	**126476**	INS-SXRH-107-E	**126476**	INS-SXRH-107
	35mm	@	*INS-SXRH-35M-E*	@	*INS-SXRH-35M*
209	1-5/8	@	INS-SXRH-110-E	@	INS-SXRH-110
	1-11/16	@	INS-SXRH-111-E	@	INS-SXRH-111
	1-3/4	@	INS-SXRH-112-E	@	INS-SXRH-112
	45mm	@	*INS-SXRH-45M-E*	@	*INS-SXRH-45M*
210	1-15/16	**126477**	INS-SXRH-115-E	**126477**	INS-SXRH-115
	2	@	INS-SXRH-200-E	@	INS-SXRH-200
	50mm	@	*INS-SXRH-50M-E*	@	*INS-SXRH-50M*
211	2	@	INS-SXRH-200L-E	@	INS-SXRH-200L
	2-3/16	**126478**	INS-SXRH-203-E	**126478**	INS-SXRH-203
	55mm	@	*INS-SXRH-55M-E*	@	*INS-SXRH-55M*
212	2-1/4	@	INS-SXRH-204-E	@	INS-SXRH-204
	2-7/16	**126479**	INS-SXRH-207-E	**126479**	INS-SXRH-207
	60mm	@	*INS-SXRH-60M-E*	@	*INS-SXRH-60M*

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Eccentric Collar Ball Bearings

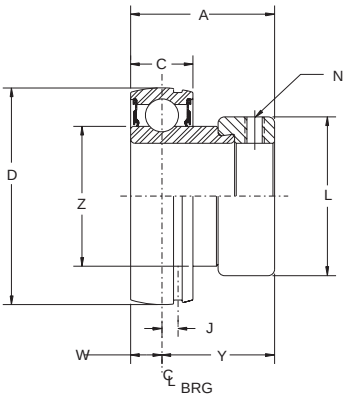
SXRH-E EXPANSION AND SXRH NON-EXPANSION NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight Exp lbs. *kg*	Weight N.E. lbs. *kg*	A	B	C	D	E	J	L	N	W	Y	Z
	1-1/16	1.51	0.91	1-29/32	2.875	0.709	2.441	15/16	0.190	1-3/4	5/16-24	23/32	1-3/16	1-37/64
	1-1/8	1.49	0.89											
206	1-3/16	1.43	0.83											
	1-1/4	1.40	0.80											
	30mm	*0.65*	*0.38*	*48.4*	*73.0*	*18.0*	*62.0*	*23.8*	*4.8*	*44.5*	*M8x1.25*	*18.3*	*30.2*	*40.4*
	1-1/4	1.92	1.44	2-1/64	3.272	3/4	2-5/6	1	.202	2-1/8	5/16-24	47/64	1-9/32	1-27/32
	1-5/16	1.85	1.33											
207	1-3/8	1.82	1.26											
	1-7/16	1.81	1.20											
	35mm	*0.78*	*0.55*	*51.2*	*83.1*	*19.0*	*72.0*	*25.4*	*5.1*	*54.0*	*M8x1.25*	*18.8*	*32.4*	*46.9*
	1-5/8	2.97	1.98	2-7/32	3.813	13/15	3-9/26	1-1/4	.248	2-1/2	5/16-24	27/32	1-3/8	2-7/32
209	1-11/16	2.89	1.87											
	1-3/4	2.89	1.82											
	45mm	*0.61*	*0.81*	*56.4*	*96.8*	*22.2*	*85.8*	*31.8*	*6.4*	*64.1*	*M8x1.25*	*21.4*	*34.9*	*56.4*
	1-15/16	3.2	2.18	2-15/32	4.000	13/15	3-44/81	1-13/32	.248	2-3/4	3/8-24	31/32	1-1/2	2-7/16
210	2	3.12	2.03											
	50mm	*1.41*	*0.95*	*62.7*	*101.6*	*22.0*	*90.0*	*35.7*	*6.3*	*69.9*	*M10x1.5*	*24.6*	*38.1*	*61.9*
	2	4.52	3.35	2-13/16	4.475	17/18	3-15/16	1-7/16	.267	3	3/8-24	1-3/32	1-23/32	2-23/64
211	2-3/16	4.31	2.88											
	55mm	*1.92*	*1.28*	*71.4*	*113.7*	*24.0*	*100.0*	*36.5*	*6.8*	*76.2*	*M12x1.75*	*27.8*	*43.7*	*59.9*
	2-1/4	5.46	3.78	3-1/16	5.035	1-2/83	4-1/3	1-5/8	.250	3-5/16	7/16-20	1-7/32	1-27/32	2-31/32
212	2-7/16	5.46	3.45											
	60mm	*2.59*	*1.68*	*77.8*	*127.9*	*26.0*	*110.0*	*41.3*	*6.4*	*84.1*	*M12x1.75*	*31.0*	*46.8*	*75.4*

FEATURES/BENEFITS PAGE B4-2	NOMENCLATURE PAGE B4-4	SELECTION PAGE B4-5	RELATED PRODUCTS PAGE B4-85

SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings
SXV INTERMEDIATE BEARING INSERTS



Series	Shaft Size	Part No.	Description
203	1/2	**130300**	INS-SXV-008
	5/8	**130301**	INS-SXV-010
	17mm	***125644***	*INS-SXV-17M*
204	3/4	**131435**	INS-SXV-012
	20mm	***125645***	*INS-SXV-20M*
205	7/8	**131436**	INS-SXV-014
	15/16	**131437**	INS-SXV-015
	1	**131438**	INS-SXV-100
	25mm	***125646***	*INS-SXV-25M*
206	1-1/16	**131439**	INS-SXV-101
	1-1/8	**131440**	INS-SXV-102
	1-3/16	**131441**	INS-SXV-103
	1-1/4	**131442**	INS-SXV-104S
	30mm	***125647***	*INS-SXV-30M*
207	1-1/4	**131443**	INS-SXV-104
	1-5/16	**131444**	INS-SXV-105
	1-3/8	**131445**	INS-SXV-106
	1-7/16	**131446**	INS-SXV-107
	35mm	***125648***	*INS-SXV-35M*
208	1-1/2	**131447**	INS-SXV-108
	40mm	***125649***	*INS-SXV-40M*
209	1-11/16	**130302**	INS-SXV-111
	1-3/4	**130303**	INS-SXV-112
	45mm	***125650***	*INS-SXV-45M*
210	1-15/16	**130305**	INS-SXV-115
	2	**130306**	INS-SXV-200
	50mm	***125651***	*INS-SXV-50M*
211	2	**130307**	INS-SXV-200L
	2-3/16	**130308**	INS-SXV-203
	55mm	***125652***	*INS-SXV-55M*

DODGE®

Eccentric Collar Ball Bearings
SXV INTERMEDIATE BEARING INSERTS

Series	Shaft Size	Weight lbs *kg*	A	C	D	J	L	N	W	Y	Z
203	1/2 5/8 *17mm*	0.3 0.3 *0.1*	1-1/8 *28.6*	0.5110 *13.0*	1.5748 *40.0*	0.150 *3.8*	1-1/8 *28.6*	10-32 *M6x1*	1/4 *6.4*	7/8 *22.2*	31/32 *24.6*
204	3/4 *20mm*	0.3 *0.1*	1-7/32 *31.0*	0.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-5/16 *33.3*	1/4-28 *M6x1*	19/64 *7.5*	59/64 *23.4*	1-1/8 *28.6*
205	7/8 15/16 1 *25mm*	0.5 0.4 0.4 *0.2*	1-7/32 *31.0*	0.5906 *15.0*	2.0472 *52.0*	0.152 *3.9*	1-1/2 *38.1*	1/4-28 *M6x1*	19/64 *11.6*	59/64 *19.4*	1-21/64 *33.7*
206	1-1/16 1-1/8 1-3/16 1-1/4 *25mm*	0.7 0.7 0.7 0.7 *0.3*	1-13/32 *35.7*	0.7087 *18.0*	2.4409 *62.0*	0.190 *4.8*	1-3/4 *44.5*	5/16-24 *M8x1.25*	23/64 *9.0*	1-3/64 *26.7*	1-37/64 *40.1*
207	1-1/4 1-5/16 1-3/8 1-7/16 *35mm*	1.2 1.2 1.1 1.1 *0.5*	1-17/32 *38.9*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-1/8 *54.0*	5/16-24 *M8x1.25*	3/8 *9.5*	1-5/32 *29.4*	1-27/32 *46.8*
208	1-1/2 *40mm*	1.8 *0.8*	1-23/32 *43.7*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-3/8 *60.3*	5/16-24 *M10x1.5*	7/16 *11.0*	1-9/32 *32.5*	2-3/64 *52.0*
209	1-11/16 1-3/4 *45mm*	1.9 1.8 *0.8*	1-23/32 *43.7*	0.8661 *22.0*	3.3465 *85.0*	0.248 *6.3*	2-1/2 *63.5*	5/16-24 *M8x1.25*	7/16 *11.0*	1-9/32 *32.5*	2-7/32 *56.4*
210	1-15/16 2 *50mm*	2.0 1.9 *0.9*	1-23/32 *43.7*	0.8661 *22.0*	3.5433 *90.0*	0.248 *6.3*	2-3/4 *69.9*	3/8-24 *M10x1.5*	7/16 *11.0*	1-9/32 *32.5*	2-7/16 *61.9*
211	2 2-3/16 *55mm*	2.7 2.5 *1.2*	1-29/32 *48.4*	0.9449 *24.0*	3.9370 *100.0*	0.267 *6.8*	3 *76.2*	3/8-24 *M12x1.75*	15/32 *11.9*	1-7/16 *36.5*	2-23/32 *69.0*

FEATURES/BENEFITS PAGE B4-2	NOMENCLATURE PAGE B4-4	SELECTION PAGE B4-5	RELATED PRODUCTS PAGE B4-85

MODIFICATIONS/ ACCESSORIES

Eccentric Collar Ball Bearings

LUBRICANTS

DODGE ball bearings are factory lubricated with a lithium complex base lubricant. For applications where extreme ambient temperatures or speeds are anticipated or environmental considerations require a different lubricant, DODGE has a variety of lubricants available. Special lubricant options usually require set-up charges and premiums.

SEALS

The PROGUARD PLUS seal is a highly effective positive contact, land riding seal designed to meet the requirements for the majority of applications. For extreme contamination or high pressure wash down, flingers can be added to provide additional protection. For high speeds or where seal drag would be an impediment, a labyrinth seal is available.

HIGH TEMPERATURE

DODGE high temperature bearings are designed to operate in temperatures from 225º F (108º C) to 400º F (205º C). The bearings have adjusted internal clearance, labyrinth seals, retainers, and lubricants to meet the temperature needs of the application. To insure proper replacement, the bearing is identified by a six digit part number etched on a stainless steel nameplate riveted to the housing. The part number identifies the specific feature of the bearing. High temperature bearings are factory assembled to order and are available at extra cost. Consult Dodge Engineering for application assistance at (864)284-5700 or fax (864) 281-2317.

AIR HANDLING

Industrial fans and blowers generally operate at high speeds with bearing requirements of long life and quiet operation. Dodge stocks a complete line of SC and SCM air handling ball bearings that are specifically designed to meet the requirements of the Air Handling Industry. However SXR air handling ball bearings in a wide variety of sizes and housing configurations can be supplied on a made/assembled to order basis. These bearings are 100% inspected for quiet operation and are recommended for fan and blower operations.

OTHER MODIFICATIONS

For applications requiring modifications not listed, we encourage you to contact our Customer Order Engineering Department at (864) 284-5700 or fax (864) 281-2317.

Eccentric Collar Ball Bearings
DODGE Ball Bearing End Covers*

- Fits all styles of DODGE cast iron housed ball bearings: Pillow Blocks, 2 and 4 Bolt Flanges, and Take-Up bearings
- Injected molded, impact resistant, OSHA safety yellow end covers meet requirements for exposed rotating shafts
- Stainless steel “C” Washer for gripping power
- No modification or machining of existing housings required
- Concentric knockout grooves on inside of end cover for thru-shaft
- DODGE six digit part number and description embossed inside
- Operating temperature to 250º F
- For non relubricable/sealed for life applications (-NL), part number 430020 hex head plug is available

Nomenclature

EC - 205 - P

- P: “Blank” fits all housing styles as noted; P - Pillow Blocks, including tapped base; X - all other housing styles as noted
- 205: ISO & ABMA ring size
- EC: End Cover

Series	Pillow Blocks Std, U, B	Tapped Base PB	2 Bolt Flange	Flanged Bracket	4 Bolt Flange	Piloted Flange (FC)	Narrow Slot Take-Up	Wide Slot Take-Up
203	X		X		X			
204	X	X	X	X	X		X	X
205	X	X	X	X	X		X	X
206	X	X	X	X	X	@	X	X
207	X	X	X	X	X	@	X	X
208	X	X	X		X	@	X	X
209	X	X	X		X	@	X	X
210	X	X	X	X	X	@	X	X
211	X	X	X		X	NA	X	X
212	X		X		X	NA	X	X
214	X				X	NA		X
215	X				X			X
216	X				X	X		X
218	X				X	X		

* = Will not fit LF, LFT, SCHB, HNGR & CLY
@ = Some modification required
NA = Will not fit
X = Will fit

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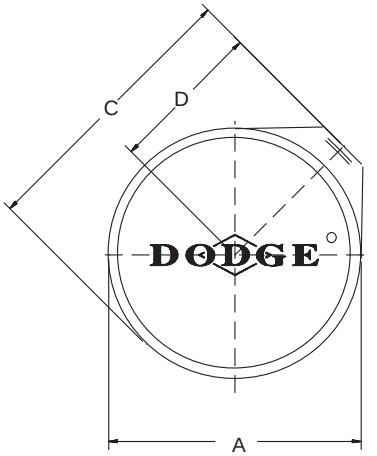
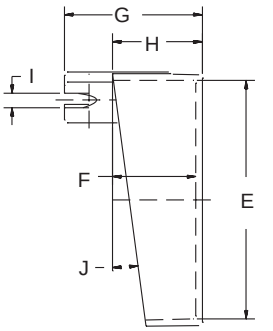
RELATED PRODUCTS

Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS





Series	Shaft Size*		Part Number	Description
	SXR, SXV	SXRH		
203	1/2 & 5/8 *17mm*	- - - - -	**128200**	EC-203-P
204	3/4 *20mm*	- - - - -	**128202**	EC-204-P
205	7/8 - 1 *25mm*	- - - - -	**128204**	EC-205-P
206	1-1/16 - 1-1/4 *30mm*	- - - - -	**128206**	EC-206-P
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-3/4 *30mm*	**128208**	EC-207-P
208	1-1/2 *40mm*	1-7/16 *35mm*	**128210**	EC-208-P
209	1-5/8 - 1-3/4 *45mm*	- - - - -	**128212**	EC-209-P
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	**128214**	EC-210-P
211	2 - 2-3/16 *55mm*	1-15/16 & 2 *50mm*	**128216**	EC-211-P
212	2-1/4 - 2-7/16 *60mm*	2-3/16 *55mm*	**128218**	EC-212-P

* **NOTE:** SXRH uses the next larger end cover. E.G. A P2B-SXRH-103 would use a EC-207-P

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Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size		Weight lbs *gm*	A	C	D	E	F	G	H	I	J
	SXR, SXV	SXRH										
203	1/2 & 5/8 *17mm*	- - - - -	.02 *9*	1-25/32 *45.2*	2-7/64 *53.6*	1-3/32 *27.7*	1-41/64 *41.7*	49/64 *19.6*	1-29/64 *37.1*	29/32 *22.9*	1/4 *6.4*	9
204	3/4 *20mm*	- - - - -	.03 *14*	2-3/64 *52.0*	2-37/64 *65.3*	1-19/64 *33.0*	1-55/64 *47.2*	1-1/64 *25.7*	1-49/64 *45.0*	1-5/32 *29.5*	5/16 *7.9*	11
205	7/8 - 1 *25mm*	- - - - -	.05 *23*	2-3/8 *60.2*	2-13/16 *71.4*	1-3/16 *35.0*	2-5/32 *54.9*	1-1/16 *26.9*	1-7/8 *47.8*	1-7/32 *31.0*	11/32 *8.6*	9
206	1-1/16 - 1-1/4 *30mm*	- - - - -	.07 *34*	2-47/64 *69.3*	3-21/64 *84.3*	1-45/64 *43.2*	2-1/2 *63.5*	1-15/64 *31.5*	2-5/32 *54.9*	1-13/32 *35.6*	23/64 *8.9*	9
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	.11 *48*	3-1/4 *82.6*	3-51/64 *96.3*	1-29/32 *48.5*	3-1/64 *76.7*	1-5/16 *33.3*	2-11/32 *59.4*	1-31/64 *37.6*	3/8 *9.4*	7 30’
208	1-1/2 *40mm*	1-7/16 *35mm*	.13 *61*	3-3/8 *85.9*	4.0 *101.6*	2-1/16 *52.3*	3-7/64 *79.0*	1-19/64 *33.0*	2-13/32 *61.0*	1-1/2 *38.1*	27/64 *10.7*	6
209	1-5/8 - 1-3/4 *45mm*	- - - - -	.15 *69*	3-11/16 *93.7*	4-17/64 *108.2*	2-11/64 *55.1*	3-13/32 *86.6*	1-21/64 *33.8*	2-21/64 *59.2*	1-17/32 *38.9*	25/64 *9.9*	7
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	.17 *78*	3-7/8 *98.6*	4-1/2 *114.3*	2-19/32 *59.2*	3-37/64 *90.9*	1-23/64 *34.3*	2-1/2 *63.5*	1-9/16 *39.6*	31/64 *12.5*	9
211	2 - 2-3/16 *55mm*	1-15/16 & 2 *50mm*	.22 *102*	4-27/64 *112.3*	5-1/16 *128.5*	2-19/32 *66.0*	4-1/8 *104.7*	1-13/32 *35.8*	2-37/64 *65.3*	1-5/8 *41.2*	29/64 *11.4*	7
212	2-1/4 - 2-7/16 *60mm*	2-3/16 *55mm*	.26 *118*	4-59/64 *125.0*	5-29/64 *138.7*	2-3/4 *69.9*	4-39/64 *117.1*	1-17/32 *38.9*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.4*	8

For no-re-lube (-NL) applications, part number **430020**, hex head plug is available

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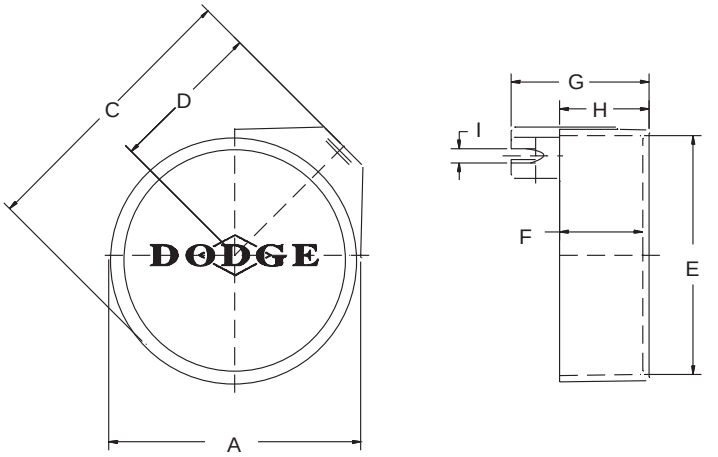
RELATED PRODUCTS

Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS



Series	Shaft Size* SXR, SXV	Part Number	Description
203	1/2 & 5/8 *17mm*	**128201**	EC-203-X
204	3/4 *20mm*	**128203**	EC-204-X
205	7/8 - 1 *25mm*	**128205**	EC-205-X
206	1-1/16 - 1-1/4 *30mm*	**128207**	EC-206-X
207	1-1/4 - 1-7/16 *35mm*	**128209**	EC-207-X
208	1-1/2 *40mm*	**128211**	EC-208-X
209	1-5/8 - 1-3/4 *45mm*	**128213**	EC-209-X
210	1-15/16 & 2 *50mm*	**128215**	EC-210-X
211	2 - 2-3/16 *55mm*	**128217**	EC-211-X
212	2-1/4 - 2-7/16 *60mm*	**128219**	EC-212-X

* **NOTE:** Above end covers will not fit the LF and LFT bearings

Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size SXR, SXV	Weight lbs *gm*	A	C	D	E	F	G	H	I
203	1/2 & 5/8 *17mm*	0.02 *10*	1-51/64 *45.5*	2-13/64 *56.1*	1-3/16 *30.2*	1-41/64 *41.7*	51/64 *20.3*	1-29/64 *37.1*	15/16 *23.9*	1/4 *6.4*
204	3/4 *20mm*	0.03 *15*	2-7/32 *56.1*	2-47/64 *69.6*	1-25/64 *35.3*	2-1/32 *51.6*	1-1/64 *25.7*	1-13/16 *45.7*	1-5/32 *29.5*	5/16 *7.9*
205	7/8 - 1 *25mm*	0.05 *24*	2-3/8 *60.2*	3-3/64 *77.2*	1-19/32 *40.6*	2-5/32 *54.9*	1-1/64 *25.7*	1-53/64 *46.5*	1-11/64 *29.7*	11/32 *8.7*
206	1-1/16 - 1-1/4 *30mm*	0.08 *36*	2-47/64 *69.3*	3-21/64 *84.3*	1-45/64 *43.2*	2-1/2 *63.5*	1-3/16 *30.2*	2-1/16 *52.3*	1-23/64 *34.5*	23/64 *8.9*
207	1-1/4 - 1-7/16 *35mm*	0.12 *53*	3-1/4 *82.6*	3-27/32 *97.5*	1-31/32 *50.0*	3-1/64 *76.7*	1-11/32 *34.5*	2-11/32 *59.4*	1-17/32 *38.9*	3/8 *9.4*
208	1-1/2 *40mm*	0.14 *64*	3-3/8 *85.9*	4.0 *101.6*	2-1/16 *52.3*	3-7/64 *79.0*	1-19/64 *33.0*	2-13/32 *61.0*	1-1/2 *38.1*	27/64 *10.7*
209	1-5/8 - 1-3/4 *45mm*	0.16 *73*	3-11/16 *93.7*	4-17/64 *108.2*	2-11/64 *55.1*	3-13/32 *86.6*	1-23/64 *34.3*	2-21/64 *59.2*	1-17/32 *38.9*	25/64 *9.9*
210	1-15/16 & 2 *50mm*	0.18 *82*	3-7/8 *98.6*	4-1/2 *114.3*	2-21/64 *59.2*	3-9/16 *90.9*	1-23/64 *34.3*	2-33/64 *63.8*	1-9/16 *39.6*	31/64 *12.4*
211	2 - 2-3/16 *55mm*	0.24 *108*	4-27/64 *112.3*	5-1/16 *128.5*	2-19/32 *66.0*	4-1/8 *104.7*	1-29/64 *36.8*	2-37/64 *65.3*	1-21/32 *42.2*	29/64 *11.4*
212	2-1/4 - 2-7/16 *60mm*	0.27 *124*	4-59/64 *125.0*	5-15/32 *138.7*	2-3/4 *69.9*	4-39/64 *117.1*	1-35/64 *39.1*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.4*

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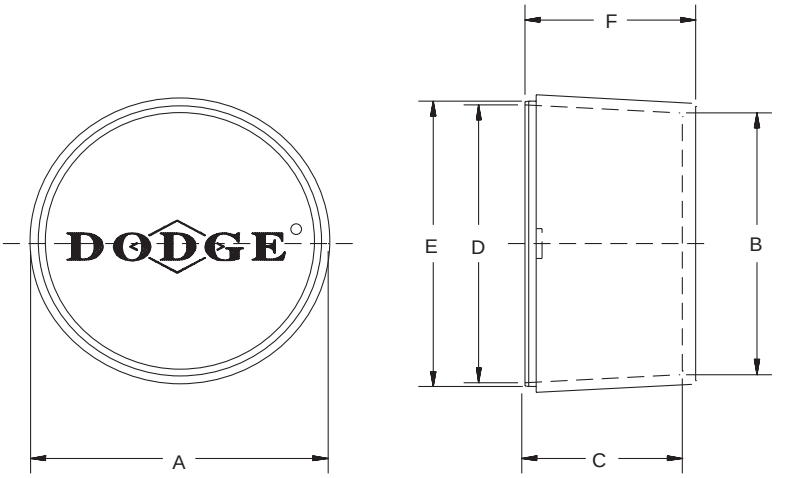
RELATED PRODUCTS

Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER



Series	Shaft Size SXR, SXV	Part Number	Description
214	2-1/2 & 2-11/16 *70mm*	**480037**	EC-080
215	2-15/16 *75mm*	**480455**	EC-090
216	- - - - -	**480456**	EC-100
218	- - - - -	**480457**	EC-218

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Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER

Series	Shaft Size SXR, SXV	Weight lbs *gm*	A	B	C	D	E	F
214	2-1/2 & 2-11/16 *70mm*	0.33 *151*	4-15/16 *125.5*	4-7/16 *112.8*	2-39/64 *66.3*	4-39/64 *117.1*	4.741/4.737 *120.4/120.3*	2-53/64 *71.9*
215	2/15/16 *75mm*	0.36 *154*	5-3/32 *129.3*	4-49/64 *120.9*	2-29/64 *62.5*	4-3/4 *120.7*	4.944/4.940 *125.6/125.5*	2-7/8 *72.9*
216	- - - - -	0.44 *201*	5-9/16 *141.2*	5-15/64 *132.8*	2-47/64 *69.6*	5-13/64 *132.1*	5.350/5.346 *135.9/135.8*	2-63/64 *75.7*
218	- - - - -	0.57 *257*	6-5/16 *130.3*	5-29/32 *149.9*	2-27/32 *72.1*	5-15/16 *150.6*	6.100/6.096 *154.9/154.8*	3-3/32 *78.5*

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FEATURES/BENEFITS

D-LOK™ Ball Bearings

For concentric grip on the shaft and less vibration at higher speeds, specify DODGE D-LOK normal- or medium-duty mounted ball bearings.

These unique, concentric collar bearings are engineered with features that assure you superior holding power with improved concentricity.

Even at high speeds, the D-LOK bearing grips the shaft tighter and more uniformly for less vibration.

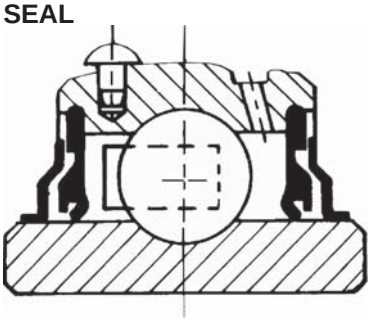
Manufactured at our state-of-the-art, ISO 9002-certified DODGE bearing plant in Rogersville, TN. The new DODGE D-LOK bearing features:

- Precision-hardened and honed inner and outer rings
- New rugged housing design
- Normal-duty wide inner ring
- D-LOK locking mechanism
- DODGE PROGUARD PLUS™ and riding, positive contact seal with flingers
- Stronger, flexible ball retainer
- Simplified anti-rotation device
- Wide variety of styles
- 3/4” to 3-7/16” (20 to 70 mm) bore sizes
- Electrostatically applied epoxy paint
- Options:
  - Corrosion-resistant inserts
  - FDA/USDA lubricant and other special lubricants
  - High temperature

DODGE End Covers

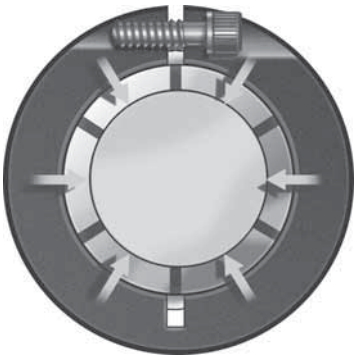
Available from stock to fit DL and DLM mounted units, these end covers are designed for added protection from containments as well as for OSHA requirements. Covers are OSHA yellow.

DODGE PROGUARD® PLUS SEAL



PROGUARD PLUS seal guards against contaminants, minimized power loss from friction. This one-piece, land-riding, positive contact seal is mechanically anchored into position. It’s specially compounded, nitrile rubber lip reduces the coefficient of friction.

D-LOK CONCENTRIC CLAMP COLLAR



The D-LOK concentric clamp collar, with a single standard hex head cap screw and relief slot, provides greater holding power over competitive products. The collar, installed over the slotted inner ring, locks the bearing on the shaft concentrically-without marring or burring and provides a 360° clamping force to the shaft with minimal run out (T.I.R.) for less vibration.

Patent number 5417500

D-LOK™ Ball Bearings

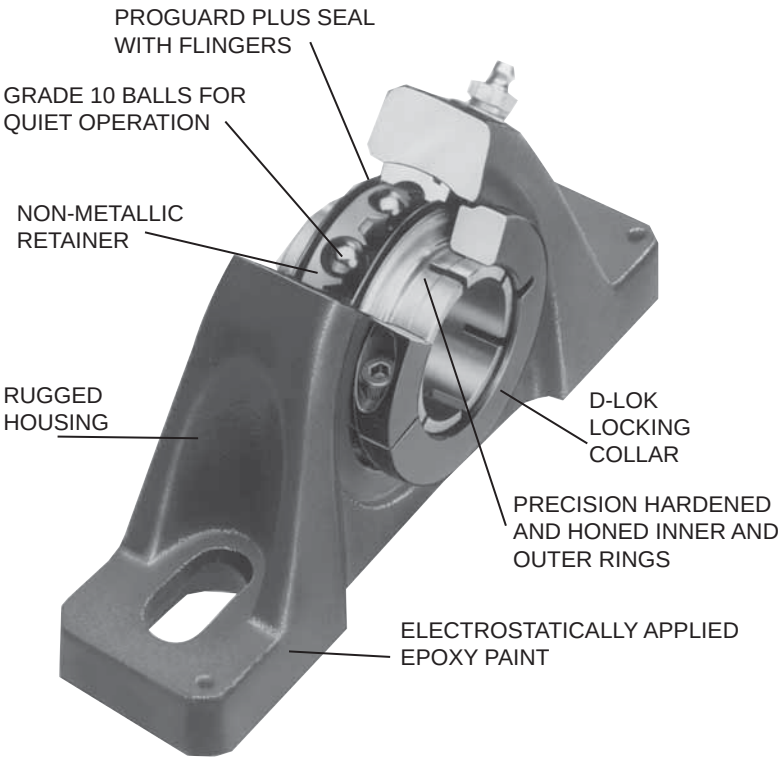
NON-METALLIC RETAINER

Ball cage is made of heat-stabilized nylon, reinforced with 33% short strand fiberglass. This non-metallic container operates in higher temperatures with less water absorption and retains natural lubricity and flexibility.

ANTI-ROTATION PIN

Anti-rotation pin prevents rotation of the outer ring within the housing.

Simple and effective, it makes system inserts easier to replace. There is no need to remove and replace grease fittings, location pins or other devices.



EXPANSION AND NON-EXPANSION MODELS

A complete series of expansion and non-expansion pillow blocks and bearing inserts are available, these all have the standard features of our D-LOK, plus a specially engineered retainer to meet the operating conditions where these bearings are required.

RUGGED HOUSING DESIGN

Rugged housing design offers added strength. Solid feet are drilled for dowel pins - simplifies installation, alignment.

WIDE VARIETY OF STYLES

Normal Duty

- DL PILLOW BLOCKS
- DLB PILLOW BLOCKS
- DLH-E PILLOW BLOCKS
- DL Tapped Base Pillow Blocks
- DL 2-Bolt Flanges
- DL Flanged Bracket Bearings
- DL 4-Bolt Flanges
- DL Piloted Flanges
- DL Take-Up Bearings
- DL Screw Conveyor Hanger Bearings
- DL Inserts

Medium Duty

- DLM Pillow Blocks
- DLM 2-Bolt Flanges
- DLM 4-Bolt Flanges
- DLM Piloted Flanges
- DLM Take-Up Bearings
- DLM Inserts

IN STOCK NEAR YOU

The complete line of DODGE mounted ball bearings is available at your local authorized DODGE distributor. For more information, check the Yellow Pages for your local distributor, call (864) 297-4800, or fax (864) 281-2318.

HOW TO ORDER/ NOMENCLATURE

D-LOK Ball Bearings

HOW TO ORDER

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature shown below and add any special instruction to the end of the description for options not covered by the nomenclature.

P2B - DL - 104S - NL

Modification or feature:
- CR = Corrosion resistant insert
- E = Expansion (used with SCH, SXRH, or DLH)
- HT = High temperature option (400 degrees F maximum)
- LL = Low torque labyrinth seal
- MOD = Modified
- NL = No Lube (sealed for life)
- P = Polymer housing
- SH = Stainless Steel Housing

Shaft size

Inches:
- First digit = Number of inches
- Second & third digits = Number of sixteenths of an inch
  - 104 = Indicates 1-4/16 or 1-1/4
- S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
- L = Next larger ring size. E.g. 1-5/8 209 would be written as 110L

Metric:
- First two digits = number of millimeters
- M = Metric

Bearing type:
- DL = Wide inner ring, normal duty, concentric clamp collar
- DLM = Wide inner ring, medium duty, concentric clamp collar

Suffixes to the above:
- AH = Air handling
- B = Low backing height pillow block
- EZ = EZ-Kleen (used with polymer or stainless steel housed units)
- H = High backing height (used with expansion pillow blocks)

Housing:
- CYL = Cylindrical unit
- F2B = 2 bolt flange
- F2BZ = 2 bolt flange with pilot machined on the back side (used with metric D-LOK bearings)
- F4B = 4 bolt flange
- FB = Flanged bracket
- FC = Flanged cartridge (piloted flange)
- HNG = Hanger bearing
- INS = Insert
- LF = Light duty flange, 3 bolt, with square bolt holes
- LFT = Light duty flange, 2 bolt, with square bolt holes
- NSTU = Narrow slot take-up
- P2B = Pillow block, 2 bolt base
- SCHB = Screw conveyor hanger bearing
- TB = Tapped base pillow block
- TP = Top angle take-up
- WSTU = Wide slot take-up

D-LOK Ball Bearings

DODGE mounted ball bearings are primarily designed for radial loading. However, they have the capacity to carry thrust loads and combined radial/thrust loads. The maximum recommended load which can be applied is limited by various components in the system, such as bearing, housing, shaft attachments, speed and life requirements. DODGE mounted ball bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Engineering for applications which exceed these recommendations.

Select a bearing from the Selection Chart that has a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial load for a desired L_{10} life. This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L_{10} Hours Life-is the life which may be expected for at least 90% of a given group of bearings operating under identical conditions. For an L_{10} hours life other than those listed in the Selection Chart, multiply the equivalent Radial load by one of the following factors. For 50,000 L_{10} hours life, use a factor of 1.18 and for 80,000, use 1.39. Then select a bearing from the bold face (30,000) L10 ratings only in the Selection Chart that has a rating equal to or greater than this value.

Heavy Service-For heavy shock loads, frequent shock loads or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult Application Engineering for additional selection assistance.

A thrust load value of C/10 is recommended as a guide for general applications and will give adequate L_{10} life. Where substantial radial load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices, such as sheer bars, are advisable for side or end-loading of pillow blocks and radial loads for flange units.

To determine the L_{10} hours life for loads and RPM's not listed use the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^3 \times \frac{16667}{RPM}$$

Where:

L_{10} = Life, hours

C = Dynamic Capacity, lbs. or N

P = Equivalent Radial Load, lbs. or N

When the load on a ball bearing is solely a radial load with no thrust (axial) load, the Equivalent Radial Load (P) is equal to the actual radial load. However, when a thrust (axial) load is applied, the radial and thrust loads applied must be converted into an Equivalent Radial Load. The use of the X (radial factor) and Y (thrust factor) from Table 1 convert the actual applied thrust and radial loads to an Equivalent Radial Load which has the same effect on the life of a bearing as a radial load of this magnitude.

$P = (X \times F_R) + (Y \times F_A)$

Where:

P = Equivalent Radial Load, lbs.
F_R = Radial load, lbs.
F_A = Thrust load, lbs.
e = Thrust load to radial load factor (Table 1)
X = Radial load factor (Table 1)
Y = Thrust factor (Table 1)
C_0 = Basic static capacity

To find X and Y, first calculate F_A/C_0 to determine e. Calculate F_A/F_R and compare to e to determine the X and Y factors to use from Table 1 .

Substitute all known values into the Equivalent Radial Load equation. The Equivalent Radial loads (P) thus determined can be used in the L_{10} life formula or compared to the allowable Equivalent Radial Load rating desired in the expanded rating chart to select a bearing (Table 2).

If calculated value of P is less than F_R, use $P=F_R$.

Table 1

$\frac{F_A}{C_o}$	e	Radial/thrust Factors			
		If F_A/F_R is equal to or less than e		If F_A/F_R is greater than e	
		F_A/F_R < = e		F_A/F_R > e	
		X	Y	X	Y
.014	.19	1	0	.56	2.30
.021	.21	1	0	.56	2.15
.028	.22	1	0	.56	1.99
.042	.24	1	0	.56	1.85
.056	.26	1	0	.56	1.71
.070	.27	1	0	.56	1.63
.084	.28	1	0	.56	1.55
.110	.30	1	0	.56	1.45
.170	.34	1	0	.56	1.31
.280	.38	1	0	.56	1.15
.420	.42	1	0	.56	1.04
.560	.44	1	0	.56	1.00

Lubrication-DODGE Ball Bearings are lubricated at the factory and are ready to run. The bearings are initially lubricated with a lithium complex grease and should be relubricated with the same or some equivalent. For high speeds, high loads, extreme temperatures and other abnormal operating conditions, special greases may be required. Contact DODGE Application Engineering for recommendations on these types of applications.
Misalignment-DODGE Ball Bearings are designed to allow a maximum of ±2° static misalignment. These bearings are not suitable for dynamic misalignment. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Shaft Tolerances		
Normal Shaft Size Inches	Commercial Shaft Tolerances Inches	Recommended Shaft Tolerances D-LOK Lock Ball Bearings Inches
Up to 1-1/2	+0.000 -0.002	+0.0000 -0.0005
Over 1-1/2 to 2-1/2	+0.000 -0.003	+0.0000 -0.0010
Over 2-1/2 to 4	+0.000 -0.004	+0.0000 -0.0010

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D-LOK Ball Bearings - Inch

Table 2: Easy Selection Table for DL and DLM Bearing Mounted Units (Pounds)

RING SIZE	SHAFT SIZE		DYNAMIC CAPACITY	STATIC CAPACITY	L10 LIFE	Allowable Equivalent Radial Load Ratings (Lbs.) at Various RPM*														
	DL	DLM	C (Lbs.)	Co (Lbs.)	HOURS	50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4500	5000	5500	7500
204	3/4		2899	1390	20000	740	515	435	345	300	275	240	225	215	200	190	180	165	160	155	140
					30000	645	450	380	300	260	240	210	200	190	175	165	155	145	140	135	120
					40000	590	410	345	275	240	215	190	180	170	160	150	145	130	125	125	110
					60000	515	355	300	240	210	190	165	155	150	140	130	125	115	110	105	95
					100000	435	300	255	200	175	160	140	130	125	115	110	105	190	95	90	80
205	7/8 15/16 1		3146	1565	20000	805	450	470	375	3225	295	260	245	235	220	205	195	180	175	170	150
					30000	705	485	410	325	285	260	225	215	205	190	180	170	155	150	145	130
					40000	640	445	375	295	260	235	205	195	185	175	165	155	140	135	135	120
					60000	560	385	325	260	225	205	180	170	165	150	140	135	125	120	115	105
					100000	470	325	275	220	190	175	150	145	135	125	120	115	105	100	100	90
206	1-1/8 1-3/16 1-1/4	1	4368	2250	20000	1115	775	655	520	455	410	360	340	325	305	285	270	250	240	235	
					30000	975	675	570	455	395	360	315	300	285	265	250	235	220	210	205	
					40000	885	615	520	410	360	325	285	270	260	240	225	215	200	190	185	
					60000	775	535	455	360	315	285	250	235	225	210	200	190	175	165	160	
					100000	655	455	380	305	265	240	210	200	190	175	165	160	145	140	135	
207	1-1/4 1-3/8 1-7/16	1-3/16 1-1/4	5759	3065	20000	1475	1020	860	685	595	545	475	450	430	400	375	355	330	315	305	
					30000	1285	890	755	595	520	475	415	395	375	350	330	310	285	275	270	
					40000	1170	810	685	545	475	430	375	355	340	315	300	285	260	250	245	
					60000	1020	710	595	475	415	375	330	310	300	275	260	250	230	220	125	
					100000	860	595	505	400	350	315	275	265	250	235	220	210	190	185	180	
208	1-1/2	1-7/16 1-1/2**	7332	4005	20000	1875	1300	1095	870	760	690	605	575	550	510	480	455	420	405		
					30000	1640	1135	960	760	665	605	525	500	480	445	420	400	365	355		
					40000	1490	1030	870	690	605	550	480	455	435	405	380	360	330	320		
					60000	1300	900	760	605	525	480	420	400	380	355	330	315	290	280		
					100000	1095	760	640	510	445	405	355	335	320	300	280	265	245	235		
209	1-5/8 1-11/16 1-3/4	1-1/2	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590	550	515	490	450	435		
					30000	1765	1225	1030	820	715	650	570	540	515	480	450	430	395	380		
					40000	1600	1110	935	745	650	590	515	490	470	435	410	390	360	345		
					60000	1400	970	820	650	570	515	450	430	410	380	360	340	310	300		
					100000	1180	820	690	550	480	435	380	360	345	320	300	285	265	255		
210	1-15/16 2	1-11/16 1-3/4	7891	4450	20000	2020	1400	1180	935	820	745	650	615	590	550	515	490	450			
					30000	1765	1225	1030	820	715	650	570	540	515	480	450	430	395			
					40000	1600	1110	935	745	650	590	515	490	470	435	410	390	360			
					60000	1400	970	820	650	570	515	450	430	410	380	360	340	310			
					100000	1180	820	690	550	480	435	380	360	345	320	300	285	265			
211	2 2-3/16	1-15/16 2	9755	5630	20000	2491	1727	1457	1156	1010	918	802	761	729	676	636	604				
					30000	2176	1509	1272	1010	882	802	700	665	636	591	556	528				
					40000	1977	1371	1156	918	802	728	636	604	578	537	505	480				
					60000	1727	1197	1010	802	700	636	556	528	505	469	441	419				
					100000	1457	1010	852	676	591	537	469	445	426	395	372	353				
212	2-1/4 2-7/16	2-3/16 2-1/4	11791	6955	20000	3015	2090	1765	1400	1225	1110	970	925	880	820	770	730				
					30000	2635	1825	1540	1225	1070	970	880	805	770	715	675	640				
					40000	2395	1660	1400	1110	970	880	770	730	700	650	610	580				
					60000	2090	1450	1225	970	850	770	675	640	610	570	535	510				
					100000	1765	1225	1030	820	715	650	570	540	515	480	450	430				
214	2-1/2 2-11/16	2-7/16 2-1/2	13994	8415	20000	3580	2480	2095	1660	1450	1320	1155	1095	1045	970	915					
					30000	3125	2171	1830	1450	1270	1155	1005	955	915	850	800					
					40000	2840	1970	1660	1320	1155	1045	915	870	830	770	725					
					60000	2480	1720	1450	1155	1005	915	800	760	725	675	635					
					100000	2094	1450	1225	970	850	770	675	640	615	570	535					
215	2-15/16	2-11/16	14872	9255	20000	3805	2640	2225	1765	1545	1400	1225	1165	1115	1035	975					
					30000	3325	2305	1945	1545	1350	1225	1070	1015	975	905	850					
					40000	3020	2095	1765	1400	1225	1115	975	925	885	820	770					
					60000	2640	1830	1545	1225	1070	975	850	805	770	715	675					
					100000	2225	1545	1300	1035	905	820	715	680	650	605	570					
216		2-15/16	17407	11015	20000	4450	3085	2605	2065	1805	1640	1435	1360	1300	1210						
					30000	3890	2695	2275	1805	1580	1435	1250	1190	1140	1055						
					40000	3535	2450	2065	1640	1435	1300	1140	1080	1035	960						
					60000	3085	2140	1805	1435	1250	1140	995	945	905	840						
					100000	2605	1805	1525	1210	1055	960	840	795	760	705						
218		3-7/16	21451	13940	20000	5485	3805	3210	2550	2225	2025	1765	1680	1605							
					30000	4795	3325	2805	2225	1945	1765	1545	1465	1405							
					40000	4355	3020	2550	2025	1765	1605	1405	1335	1276							
					60000	3805	2640	2225	1765	1545	1405	1225	1165	1115							
					100000	3210	2225	1880	1490	1300	1185	1035	980	940							

** Piloted flange only

FEATURES/BENEFITS PAGE B5-2	NOMENCLATURE PAGE B5-4	SELECTION/DIMENSIONS PAGE B5-8	RELATED PRODUCTS PAGE B5-67

D-LOK Ball Bearings - Metric

Table 3: Easy Selection Table For DL and DLM Bearing Mounted Units (Newtons)

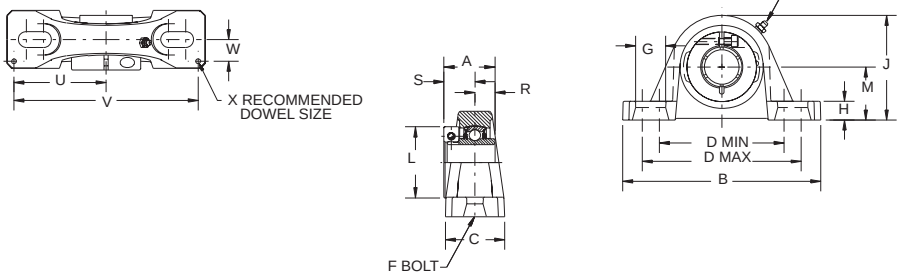
RING SIZE	SHAFT SIZE (mm)		DYNAMIC CAPACITY	STATIC CAPACITY	L10 LIFE	Allowable Equivalent Radial Load Ratings (Lbs.) at Various RPM*														
	DL	DLM	C (N)	Co (N)	HOURS	50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4500	5000	5500	7500
204	20		12895	6183	20000	3292	2291	1935	1535	1334	1223	1068	1001	956	890	845	801	734	712	689	623
					30000	2869	2002	1690	1334	1156	1068	934	890	845	778	724	689	645	623	600	534
					40000	2624	1824	1535	1223	1068	956	845	801	756	712	667	645	578	556	556	489
					60000	2291	1579	1334	1068	934	845	734	689	667	623	578	556	512	489	467	423
					100000	1935	1334	1134	890	778	712	623	578	556	512	489	467	400	423	400	356
205	25		13993	6961	20000	3581	2491	2091	1668	1446	1312	1156	1090	1045	979	912	867	801	778	756	667
					30000	3136	2157	1827	1446	1268	1156	1001	956	912	845	801	756	689	667	645	578
					40000	2847	1979	1668	1312	1156	1045	912	867	823	778	734	689	623	600	600	534
					60000	2491	1712	1446	1156	1001	912	801	756	734	667	623	600	556	534	512	467
					100000	2091	1446	1223	979	845	778	667	645	600	556	534	512	467	445	445	400
206	30		19429	10008	20000	4960	3447	2913	2313	2024	1824	1601	1512	1446	1357	1268	1201	1112	1068	1045	
					30000	4337	3002	2535	2024	1757	1601	1401	1334	1268	1179	1112	1045	979	934	912	
					40000	3936	2736	2313	1824	1601	1446	1268	1201	1156	1068	1001	958	890	845	823	
					60000	3447	2380	2024	1601	1401	1268	1112	1045	1001	934	890	845	778	734	712	
					100000	2913	2024	1690	1357	1179	1068	934	890	845	778	734	712	645	623	600	
207	35		25616	13633	20000	6561	4537	3825	3047	2647	2424	2113	2002	1913	1779	1668	1579	1468	1401	1357	
					30000	5716	3959	3358	2674	2313	2113	1846	1757	1668	1557	1468	1379	1268	1223	1201	
					40000	5204	3603	3047	2424	2113	1913	1668	1579	1512	1401	1334	1268	1156	1112	1090	
					60000	4537	3158	2647	2113	1846	1669	1468	1379	1334	1223	1156	1112	1023	979	956	
					100000	3825	2647	2246	1779	1557	1401	1223	1179	1112	1045	979	934	845	823	801	
208	40	35	32613	17814	20000	8341	5782	4871	3870	3380	3069	2691	2558	2446	2268	2135	2024	1868	1801		
					30000	7295	5048	4270	3380	2958	2691	2335	2224	2135	1979	1868	1779	1624	1579		
					40000	6628	4581	3870	3069	2691	2446	2135	2024	1935	1801	1690	1601	1468	1423		
					60000	5782	4003	3380	2691	2335	2135	1868	1779	1690	1576	1468	1401	1290	1245		
					100000	4871	3380	2847	2268	1979	1801	1579	1490	1423	1334	1245	1179	1090	1045		
209	45		35099	19794	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624	2446	2291	2180	2002	1935		
					30000	7851	5449	4581	3649	3180	2891	2535	2402	2291	2135	2002	1913	1757	1690		
					40000	7117	4937	4159	3314	2891	2624	2291	2180	2091	1935	1824	1735	1601	1535		
					60000	6227	4315	3647	2891	2535	2291	2002	1913	1824	1690	1601	1512	1379	1334		
					100000	5249	3647	3069	2446	2135	1935	1690	1601	1535	1423	1334	1268	1179	1134		
210	50		35099	19794	20000	8985	6227	5249	4159	3647	3314	2891	2736	2624	2446	2291	2180	2002			
					30000	7851	5449	4581	3647	3180	2891	2535	2402	2291	2135	2002	1913	1757			
					40000	7117	4937	4159	3314	2891	2624	2291	2180	2091	1935	1824	1735	1601			
					60000	6227	4315	3647	2891	2535	2291	2002	1913	1824	1690	1601	1512	1379			
					100000	5249	3647	3069	2446	2135	1935	1690	1601	1535	1423	1334	1268	1179			
211	55	50	43394	25042	20000	11079	7682	6479	5142	4492	4082	3566	3387	3241	3007	2830	2688				
					30000	9678	6711	5660	4492	3924	3566	3115	2959	2831	2627	2472	2348				
					40000	8793	6097	5142	4082	3566	3240	2830	2688	2572	2387	2246	2134				
					60000	7682	5326	4492	3566	3115	2830	2472	2348	2247	2085	1962	1864				
					100000	6479	4492	3789	3007	2627	2387	2085	1981	1895	1759	1655	1572				
212	60		52446	30936	20000	13411	9296	7851	6227	5449	4937	4315	4114	3914	3647	3425	3247				
					30000	11720	8118	6850	5449	4759	4315	3914	3581	3425	3180	3002	2847				
					40000	10653	7384	6227	4937	4315	3914	3425	3247	3114	2891	2713	2580				
					60000	9296	6450	5449	4315	3781	3425	3002	2847	2713	2535	2380	2268				
					100000	7851	5449	4581	3647	3180	2891	2535	2402	2291	2135	2002	1913				
214	70	65	62245	37430	20000	15925	11031	9319	7384	6450	5871	5137	4871	4648	4315	4070					
					30000	13900	96721	8140	6450	5649	5137	4470	4248	4070	3781	3558					
					40000	12632	8763	7384	5871	5137	4648	4070	3870	3692	3425	3225					
					60000	11031	7651	6450	5137	4470	4070	3558	3380	3225	3002	2824					
					100000	9318	6450	5449	4315	3781	3425	3002	2847	2736	2535	2380					

** Piloted flange only

SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings
DL NORMAL DUTY PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	**128700**	P2B-DL-012
	20mm	***126601***	*P2B-DL-20M*
205	7/8	**128701**	P2B-DL-014
	15/16	**128702**	P2B-DL-015
	1	**128703**	P2B-DL-100
	25mm	***126602***	*P2B-DL-25M*
206 (DLU)	1-1/8	**128704**	P2B-DLU-102
	1-3/16	**128705**	P2B-DLU-103
	1-1/4	**128706**	P2B-DLU-104S
	30mm	***126603***	*P2B-DLU-30M*
207	1-1/4	**128707**	P2B-DL-104
	1-3/8	**128708**	P2B-DL-106
	1-7/16	**128709**	P2B-DL-107
	35mm	***126604***	*P2B-DL-35M*
208 (DLB)	1-1/2	**128710**	P2B-DLB-108
	40mm	***126605***	*P2B-DLB-40M*
209	1-5/8	**128711**	P2B-DL-110L
	1-11/16	**128712**	P2B-DL-111
	1-3/4	**128713**	P2B-DL-112
	45mm	***126606***	*P2B-DL-45M*
210	1-15/16	**128714**	P2B-DL-115
	2	**128715**	P2B-DL-200
	50mm	***126607***	*P2B-DL-50M*
211	2	**128830**	P2B-DLM-200
	2-3/16	**128717**	P2B-DL-203
	55mm	***126608***	*P2B-DL-55M*
212	2-1/4	**128832**	P2B-DLM-204
	2-7/16	**128719**	P2B-DL-207
	60mm	***126609***	*P2B-DL-60M*
214	2-1/2	**128834**	P2B-DLM-208
	2-11/16	**128720**	P2B-DL-211
	70mm	***126610***	*P2B-DL-70M*
215	2-15/16	**056610**	P2B-DL-215

DODGE®

D-LOK Ball Bearings
DL NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
204	3/4	2.1	1-9/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-9/16	1-45/64	1-5/16	1/2	25/32	2-1/4	4-1/2	1/2	1/8
	20mm	*1.0*	*32.5*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*65.1*	*43.3*	*33.3*	*12.7*	*19.8*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	2.3	1-7/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	2	1-7/16	9/16	7/8	2-1/2	5	1/2	3/16
	15/16	2.3																	
	1	2.3																	
	25mm	*1.1*	*36.5*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*50.8*	*36.5*	*14.3*	*22.2*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/8	3.8	1-9/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	2-7/32	1-11/16	5/8	15/16	2-7/8	5-3/4	9/16	3/16
	1-3/16	3.7																	
(DLU)	1-1/4	3.7																	
	30mm	*1.7*	*39.7*	*158.8*	*44.1*	*108*	*127*	*M12*	*23.8*	*19.1*	*84.1*	*56.4*	*42.9*	*15.9*	*23.8*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.9	1-3/4	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-11/16	1-7/8	11/16	1-1/16	2-29/32	5-13/16	9/16	3/16
	1-3/8	4.9																	
	1-7/16	4.8																	
	35mm	*2.2*	*44.5*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*68.3*	*47.6*	*17.5*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-1/2	6.0	2	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-25/32	1-15/16	3/4	1-1/4	3-17/64	6-17/32	11/16	3/16
(DLB)	*40mm*	*2.7*	*50.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*70.6*	*49.2*	*19.1*	*31.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.8	2	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	3-1/16	2-1/8	3/4	1-1/4	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.8																	
	1-3/4	6.7																	
	45mm	*3.1*	*50.8*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*19.1*	*108.7*	*77.8*	*54.0*	*19.1*	*31.8*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	8.5	2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	3/4	4-17/32	3-9/32	2-1/4	3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
	2	8.4																	
	50mm	*3.9*	*53.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*115.1*	*83.3*	*57.2*	*19.1*	*34.1*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	12.2	2-1/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3-11/16	2-1/2	7/8	1-3/8	3-15/16	7-7/8	13/16	3/16
	2-3/16	10.3																	
	55mm	*5.6*	*57.2*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*93.7*	*63.5*	*22.2*	*34.9*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	17.5	2-5/8	9 1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	4-7/64	2-3/4	1	1-5/8	4-1/4	8-1/2	7/8	3/16
	2-7/16	14.8																	
	60mm	*7.0*	*66.7*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*104.4*	*69.9*	*25.4*	*41.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-1/2	19.4	2-13/16	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-5/64	4-3/8	3	1-1/16	1-3/4	4-7/8	9 3/4	15/16	3/16
	2-11/16	19.3																	
	70mm	*8.9*	*71.4*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.4*	*111.1*	*76.2*	*27.0*	*44.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-15/16	24.9	2-21/64	11-3/4	2-7/8	8-1/2	9 1/2	7/8	1-7/16	1	6-3/4	4-11/16	3-1/2	53/64	1-1/2	- - - - -	- - - - -	- - - - -	- - - - -

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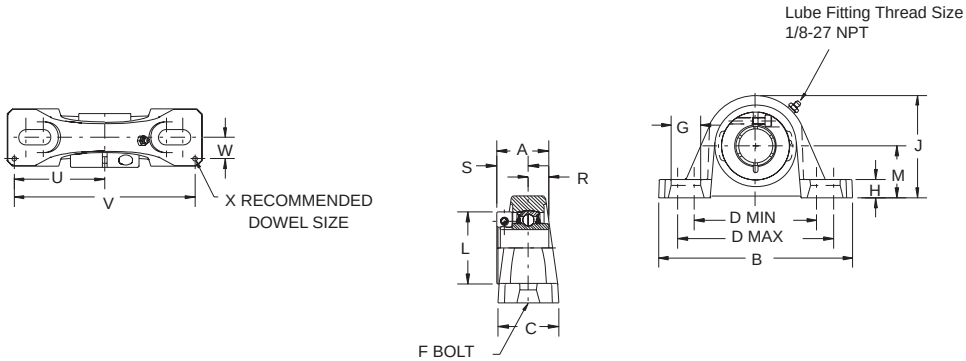
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DLAH NORMAL DUTY AIR HANDLING PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	**128432**	P2B-DLAH-012
	20mm	*@*	*P2B-DLAH-20M*
205	7/8	@	P2B-DLAH-014
	15/16	@	P2B-DLAH-015
	1	**128435**	P2B-DLAH-100
	25mm	*@*	*P2B-DLAH-25M*
206 (DLU)	1-1/8	**128436**	P2B-DLUAH-102
	1-3/16	**128437**	P2B-DLUAH-103
	1-1/4	**128438**	P2B-DLUAH-104S
	30mm	*@*	*P2B-DLUAH-30M*
207	1-1/4	**065784**	P2B-DLAH-104
	1-3/8	**128440**	P2B-DLAH-106
	1-7/16	**128441**	P2B-DLAH-107
	35mm	***068777***	*P2B-DLAH-35M*
208 (DLB)	1-1/2	@	P2B-DLBAH-108
	40mm	*@*	*P2B-DLBAH-40M*
209	1-5/8	@	P2B-DLAH-110L
	1-11/16	**128444**	P2B-DLAH-111
	1-3/4	@	P2B-DLAH-112
	45mm	***068537***	*P2B-DLAH-45M*
210	1-15/16	**128446**	P2B-DLAH-115
	2	**064825**	P2B-DLAH-200
	50mm	***067783***	*P2B-DLAH-50M*
211	2	**128481**	P2B-DLMAH-200
	2-3/16	**128449**	P2B-DLAH-203
	55mm	*@*	*P2B-DLAH-55M*
212	2-1/4	**128483**	P2B-DLMAH-204
	2-7/16	**128451**	P2B-DLAH-207
	60mm	*@*	*P2B-DLAH-60M*
214	2-1/2	**128485**	P2B-DLMAH-208
	2-11/16	**128452**	P2B-DLAH-211
	70mm	*@*	*P2B-DLAH-70M*
215	2-15/16	**062187**	P2B-DLAH-215

@ Assembled to order

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DODGE®

D-LOK Ball Bearings

DLAH NORMAL DUTY AIR HANDLING PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
204	3/4	2.1	1-9/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	33/64	2-9/16	1-45/64	1-5/16	1/2	25/32	2-1/4	4-1/2	1/2	1/8
	20mm	*1.0*	*32.5*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*13.1*	*65.1*	*43.3*	*33.3*	*12.7*	*19.8*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	2.3	1-7/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	37/64	2-25/32	2	1-7/16	9/16	7/8	2-1/2	5	1/2	3/16
	15/16	2.3																	
	1	2.3																	
	25mm	*1.1*	*36.5*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*14.7*	*70.6*	*50.8*	*36.5*	*14.3*	*22.2*	*63.5*	*127.0*	*12.7*	*4.8*
206 (DLU)	1-1/8	3.8	1-9/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	2-7/32	1-11/16	5/8	15/16	2-7/8	5-3/4	9/16	3/16
	1-3/16	3.7																	
	1-1/4	3.7																	
	30mm	*1.7*	*39.7*	*158.8*	*44.1*	*108*	*127*	*M12*	*23.8*	*19.1*	*84.1*	*56.4*	*42.9*	*15.9*	*23.8*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.9	1-3/4	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	45/64	3-3/4	2-11/16	1-7/8	11/16	1-1/16	2-29/32	5-13/16	9/16	3/16
	1-3/8	4.9																	
	1-7/16	4.8																	
	35mm	*2.2*	*44.5*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*17.9*	*95.3*	*68.3*	*47.6*	*17.5*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*
208 (DLB)	1-1/2	6.0	2	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	3/4	4	2-25/32	1-15/16	3/4	1-1/4	3-17/64	6-17/32	11/16	3/16
	40mm	*2.7*	*50.8*	*184.2*	*49.2*	*131.8*	*149.2*	*M12*	*23.0*	*19.1*	*101.6*	*70.6*	*49.2*	*19.1*	*31.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.8	2	7-7/16	2	5-1/2	6-3/16	1/2	29/32	3/4	4-9/32	3-1/16	2-1/8	3/4	1-1/4	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.8																	
	1-3/4	6.7																	
	45mm	*3.1*	*50.8*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*19.1*	*108.7*	*77.8*	*54.0*	*19.1*	*31.8*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	8.5	2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	3/4	4-17/32	3-9/32	2-1/4	3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
	2	8.4																	
	50mm	*3.9*	*53.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*19.1*	*115.1*	*83.3*	*57.2*	*19.1*	*34.1*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	12.2	2-1/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3-11/16	2-1/2	7/8	1-3/8	3-15/16	7-7/8	13/16	3/16
	2-3/16	10.3																	
	55mm	*5.6*	*57.2*	*225.4*	*58.7*	*161.9*	*188.9*	*M16*	*31.0*	*22.2*	*126.2*	*93.7*	*63.5*	*22.2*	*34.9*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	17.5	2-5/8	9 1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	4-7/64	2-3/4	1	1-5/8	4-1/4	8-1/2	7/8	3/16
	2-7/16	14.8																	
	60mm	*7.0*	*66.7*	*241.3*	*60.3*	*174.6*	*201.6*	*M16*	*31.0*	*22.2*	*137.3*	*104.4*	*69.9*	*25.4*	*41.3*	*108.0*	*215.9*	*22.2*	*4.8*
214	2-1/2	19.4	2-13/16	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-5/64	4-3/8	3	1-1/16	1-3/4	4-7/8	9 3/4	15/16	3/16
	2-11/16	19.3																	
	70mm	*8.9*	*71.4*	*273.1*	*68.3*	*190.5*	*215.9*	*M18*	*33.3*	*23.8*	*154.4*	*111.1*	*76.2*	*27.0*	*44.5*	*123.8*	*247.7*	*23.8*	*4.8*
215	2-15/16	24.9	2-21/64	11-3/4	2-7/8	8-1/2	9 1/2	7/8	1-7/16	1	6-3/4	4-11/16	3-1/2	53/64	1-1/2	- - - - -	- - - - -	- - - - -	- - - - -

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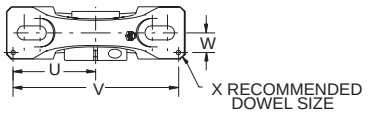
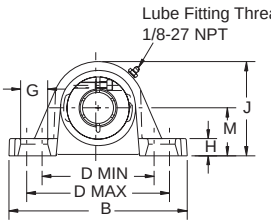
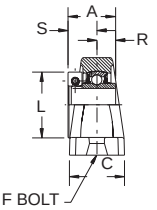
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings
DLB NORMAL DUTY PILLOW BLOCKS







Series	Shaft Size	Part No.	Description
204	3/4	**128721**	P2B-DLB-012
	20mm	*@*	*P2B-DLB-20M*
205	7/8	**128722**	P2B-DLB-014
	15/16	**128723**	P2B-DLB-015
	1	**128724**	P2B-DLB-100
	25mm	***062143***	*P2B-DLB-25M*
206	1-1/8	**128725**	P2B-DLB-102
	1-3/16	**128726**	P2B-DLB-103
	1-1/4	**128727**	P2B-DLB-104S
	30mm	*@*	*P2B-DLB-30M*
207	1-1/4	**128728**	P2B-DLB-104
	1-3/8	**128729**	P2B-DLB-106
	1-7/16	**128730**	P2B-DLB-107
	35mm	*@*	*P2B-DLB-35M*
208	1-1/2	**128710**	P2B-DLB-108
	40mm	***126605***	*P2B-DLB-40M*
209	1-5/8	**128731**	P2B-DLB-110L
	1-11/16	**128732**	P2B-DLB-111
	1-3/4	**128733**	P2B-DLB-112
	45mm	*@*	*P2B-DLB-45M*
210	1-15/16	**128734**	P2B-DLB-115
	2	**128735**	P2B-DLB-200
	50mm	*@*	*P2B-DLB-50M*
211	2	**128736**	P2B-DLB-200L
	2-3/16	**128738**	P2B-DLB-203
	55mm	*@*	*P2B-DLB-55M*
212	2-1/4	**128739**	P2B-DLB-204L
	2-7/16	**128741**	P2B-DLB-207
	60mm	*@*	*P2B-DLB-60M*

@ Assemble to order

D-LOK Ball Bearings
DLB NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
204	3/4	2.1	1-9/32	5-1/4	1-21/64	3-3/8	4-3/16	3/8	27/32	15/32	2-1/2	1-45/64	1-1/4	1/2	25/32	2-1/4	4-1/2	1/2	1/8
	20mm	*1.0*	*32.5*	*133.4*	*33.7*	*85.7*	*106.4*	*M10*	*21.4*	*11.9*	*63.5*	*43.3*	*31.8*	*12.7*	*19.8*	*57.2*	*114.3*	*12.7*	*3.2*
205	7/8	2.3	1-7/16	5-1/2	1-13/32	3-11/16	4-1/2	3/8	27/32	29/64	2-21/32	2	1-5/16	9/16	7/8	2-1/2	5	1/2	3/16
	15/16	2.3																	
	1	2.3																	
	25mm	*1.1*	*36.5*	*139.7*	*35.7*	*93.7*	*114.3*	*M10*	*21.4*	*11.5*	*67.5*	*50.8*	*33.3*	*14.3*	*22.2*	*63.5*	*127.0*	*12.7*	*4.8*
206	1-1/8	3.8	1-9/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	5/8	3-3/16	2-7/32	1-9/16	5/8	15/16	2-7/8	5-3/4	9/16	3/16
	1-3/16	3.7																	
	1-1/4	3.7																	
	30mm	*1.7*	*39.7*	*158.8*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*15.9*	*81.0*	*56.4*	*39.7*	*15.9*	*23.8*	*73.0*	*146.1*	*14.3*	*4.8*
207	1-1/4	4.9	1-3/4	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15/16	21/32	3-11/16	2-11/16	1-13/16	11/16	1-1/16	2-29/32	5-13/16	9/16	3/16
	1-3/8	4.9																	
	1-7/16	4.8																	
	35mm	*2.2*	*44.5*	*165.1*	*44.1*	*119.1*	*138.1*	*M12*	*23.8*	*16.7*	*93.7*	*68.3*	*46.0*	*17.5*	*27.0*	*73.8*	*147.6*	*14.3*	*4.8*
208	1-1/2	6.0	2	7-15/64	1-29/32	5-33/64	5-7/8	1/2	7/8	3/4	4	2-47/64	1-15/16	3/4	1-1/4	3-17/64	6-17/32	11/16	3/16
	40mm	*2.7*	*50.8*	*183.8*	*48.4*	*140.1*	*149.2*	*M12*	*22.2*	*19.1*	*101.6*	*69.5*	*49.2*	*19.1*	*31.8*	*82.9*	*165.9*	*17.5*	*4.8*
209	1-5/8	6.8	2	7-7/16	2	5-1/2	6-3/16	1/2	29/32	11/16	4-7/32	3-1/16	2-1/16	3/4	1-1/4	3-3/8	6-3/4	11/16	3/16
	1-11/16	6.8																	
	1-3/4	6.7																	
	45mm	*3.1*	*50.8*	*188.9*	*50.8*	*139.7*	*157.2*	*M12*	*23.0*	*17.5*	*107.2*	*77.8*	*52.4*	*19.1*	*31.8*	*85.7*	*171.5*	*17.5*	*4.8*
210	1-15/16	8.5	2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	11/16	4-15/32	3-9/32	2-3/16	3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
	2	8.4																	
	50mm	*3.9*	*53.2*	*206.4*	*57.2*	*152.4*	*169.9*	*M16*	*25.8*	*17.5*	*113.5*	*83.3*	*55.6*	*19.1*	*34.1*	*93.7*	*187.3*	*20.6*	*4.8*
211	2	12.2	2-1/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	3-11/16	2-7/16	7/8	1-3/8	3-15/16	7-7/8	13/16	3/16
	2-3/16	10.3																	
	55mm	*5.6*	*57.2*	*225.4*	*58.8*	*161.9*	*188.9*	*M16*	*31.0*	*20.6*	*124.6*	*93.7*	*63.5*	*22.2*	*34.9*	*100.0*	*200.0*	*20.6*	*4.8*
212	2-1/4	17.5	2-5/8	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	13/16	5-11/16	4-7/64	2-11/16	1	1-5/8	4-1/4	8-1/2	7/8	3/16
	2-7/16	14.8																	
	60mm	7.0	66.7	241.3	60.3	174.6	201.6	M16	31.0	20.6	144.5	104.4	68.3	25.4	41.3	108.0	215.9	22.2	4.8

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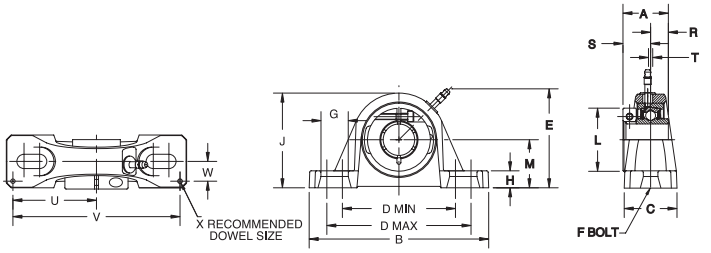
SELECTION/DIMENSIONS

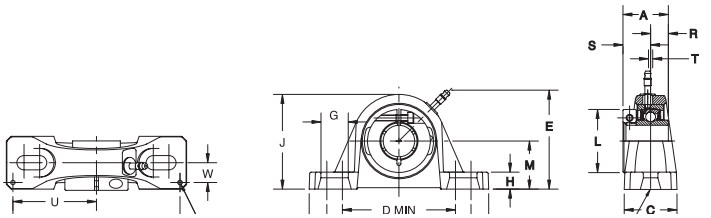
DODGE®

D-LOK Ball Bearings

DLH-E EXPANSION AND DLH NON-EXPANSION NORMAL DUTY PILLOW BLOCKS



Expansion



Non-Expansion

Series	Shaft Size	Expansion		Non-Expansion	
		Part No.	Description	Part No.	Description
205	1	@	P2B-DLH-100-E	@	P2B-DLM-100
	25mm	@	*P2B-DLH-25M-E*	- - - -	- - - - - - - -
206	1-1/8	@	P2B-DLH-102-E	- - - -	- - - - - - - -
	1-3/16	**126450**	P2B-DLH-103-E	**128824**	P2B-DLM-103
	1-1/4	@	P2B-DLH-104S-E	**128707**	P2B-DL-104
	30mm	@	*P2B-DLH-30M-E*	- - - -	- - - - - - - -
207	1-1/4	@	P2B-DLH-104-E	- - - -	- - - - - - - -
	1-3/8	**066214**	P2B-DLH-106-E	- - - -	- - - - - - - -
	1-7/16	**126451**	P2B-DLH-107-E	**128825**	P2B-DLM-107
	35mm	***054455***	*P2B-DLH-35M-E*	***126639***	*P2B-DLM-35M*
209	1-5/8	@	P2B-DLH-108L-E	- - - -	- - - - - - - -
	1-11/16	**059882**	P2B-DLH-111-E	**128827**	P2B-DLM-111
	1-3/4	@	P2B-DLH-112-E	**128828**	P2B-DLM-112
	45mm	@	*P2B-DLH-45M-E*	- - - -	- - - - - - - -
210	1-15/16	**126452**	P2B-DLH-115-E	**128829**	P2B-DLM-115
	2	**056676**	P2B-DLH-200-E	**128830**	P2B-DLM-200
	50mm	***068061***	*P2B-DLH-50M-E*	***058997***	*P2B-DLM-50M*
211	2-3/16	**126453**	P2B-DLH-203-E	**128831**	P2B-DLM-203
	55mm	@	*P2B-DLH-55M-E*	- - - -	- - - - - - - -
212	2-7/16	**126454**	P2B-DLH-207-E	**128833**	P2B-DLM-207
	60mm	@	*P2B-DLH-60M-E*	- - - -	- - - - - - - -

@ Assembled to order

D-LOK Ball Bearings

DLH-E EXPANSION AND DLH NON-EXPANSION NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / *kg*	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	T Total Expansion	U	V	W	X
						min.	max.													
205	1	3.5	1-7/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	1-45/64	3-5/16	9/16	7/8	5/32	1-7/16	2-7/8	9/16	3/16
	25mm	*1.6*	*36.5*	*158.6*	*44.1*	*108.0*	*127.0*	*M12*	*23.8*	*19.1*	*84.1*	*43.3*	*84.1*	*14.3*	*22.2*	*4.0*	*36.5*	*73.0*	*14.3*	*4.8*
206	1-1/8	5.0	1-9/16	6-7/8	2	4-9/16	5-7/16	1/2	1	11/16	3-13/16	2-7/32	1-7/8	5/8	15/16	3/16	3-1/8	6-1/4	11/16	3/16
	1-3/16	5.0																		
	1-1/4	5.0																		
	30mm	*1.5*	*39.7*	*174.6*	*5038*	*119.1*	*134.9*	*M12*	*25.4*	*17.5*	*96.8*	*56.4*	*47.6*	*15.9*	*23.8*	*4.8*	*79.4*	*158.8*	*17.5*	*4.8*
207	1-3/8	6.9	1-3/4	7-15/16	2-1/32	5-1/16	6-5/16	1/2	1-3/16	3/4	4-3/16	2-11/16	2-1/8	11/16	1-1/16	3/16	3-11/16	7-3/8	23/32	3/16
	1-7/16	6.9																		
	35mm	*2.1*	*44.5*	*201.6*	*51.6*	*128.6*	*160.3*	*M12*	*30.2*	*19.1*	*106.4*	*68.3*	*54.0*	*17.5*	*27.0*	*4.8*	*93.7*	*187.3*	*18.3*	*4.8*
209	1-5/8	9.2	2	8-1/8	2-3/8	6	6-1/2	5/8	15/16	3/4	4-9/16	2-63/64	2-1/4	3/4	1-1/4	1/4	3-11/16	7-3/8	13/16	3/16
	1-11/16	9.2																		
	1-3/4	9.2																		
	45mm	*2.8*	*50.8*	*206.4*	*60.3*	*152.4*	*165.1*	*M12*	*23.8*	*19.1*	*115.9*	*75.8*	*57.2*	*19.1*	*31.8*	*6.4*	*93.7*	*187.3*	*20.6*	*4.8*
210	1-15/16	10.8	2-3/32	9-1/2	2-1/2	6	7-1/2	5/8	1-7/16	7/8	5-3/32	3-15/64	2-1/2	3/4	1-11/32	1/4	4-3/8	8-3/4	7/8	3/16
	2	10.8																		
	50mm	*3.3*	*53.2*	*241.3*	*63.5*	*152.4*	*190.5*	*M16*	*36.5*	*22.2*	*129.4*	*82.2*	*63.5*	*19.1*	*34.1*	*6.4*	*111.1*	*222.3*	*22.2*	*4.8*
211	2-3/16	15.7	2-1/4	10-1/4	3	6-5/8	7-7/8	3/4	1-7/16	1-1/16	6-5/8	3-11/16	2-3/4	7/8	1-3/8	1/4	4-3/4	9-1/2	1-1/8	3/16
	55mm	*4.8*	*57.2*	*260.4*	*76.2*	*168.3*	*200.0*	*M16*	*36.5*	*27.0*	*142.9*	*93.7*	*69.9*	*22.2*	*34.9*	*6.4*	*120.7*	*241.3*	*28.6*	*4.8*
212	2-7/16	20.1	2-5/8	11-1/4	3-1/4	7-3/16	8-13/16	3/4	1-5/8	1-1/16	6-1/4	4-7/64	3	1	1-5/8	1/4	5-1/4	10-1/2	1-1/4	3/16
	60mm	*6.1*	*66.7*	*285.6*	*82.6*	*182.6*	*223.8*	*M18*	*41.3*	*27.0*	*158.8*	*104.4*	*76.2*	*25.4*	*41.3*	*6.4*	*123.8*	*247.7*	*23.8*	*4.8*

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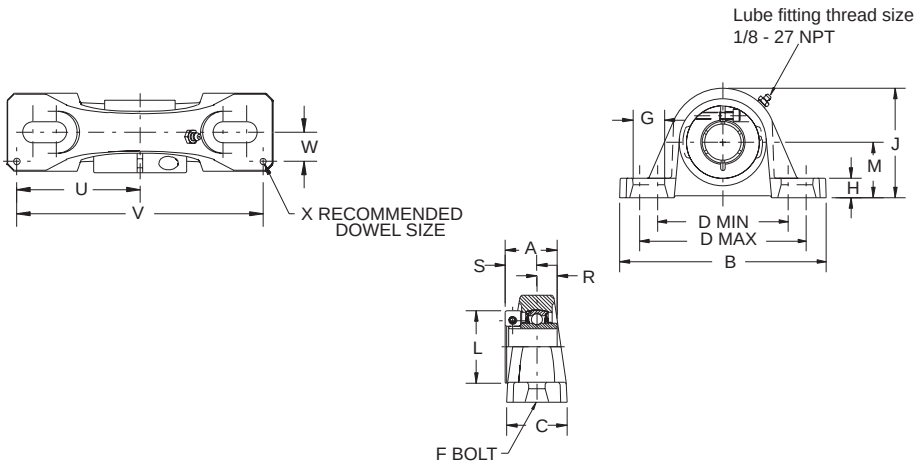
SELECTION/DIMENSIONS

D-LOK Ball Bearings
DLM MEDIUM DUTY PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
206	1	**128823**	P2B-DLMU-100
207	1-3/16 1-1/4	**128824** **128707**	P2B-DLM-103 P2B-DL-104
208	1-7/16 *35mm*	**128825** **126639**	P2B-DLM-107 *P2B-DLM-35M*
209	1-1/2 1-5/8	**128826** **128711**	P2B-DLM-108 P2B-DL-110L
210	1-11/16 1-3/4	**128827** **128828**	P2B-DLM-111 P2B-DLM-112
210 (DLMB)	1-11/16	**068373**	P2B-DLMB-111
211	1-15/16 2 *50mm*	**128829** **128830** **058997**	P2B-DLM-115 P2B-DLM-200 *P2B-DLM-50M*
212	2-3/16 2-1/4	**128831** **128832**	P2B-DLM-203 P2B-DLM-204
214	2-7/16 *2-1/2* *65mm*	**128833** **128834** **126640**	P2B-DLM-207 *P2B-DLM-208* *P2B-DLM-65M*
215	2-11/16	**128696**	P2B-DLM-211
216	2-15/16	**128697**	P2B-DLM-215
218	3-7/16	**128698**	P2B-DLM-307

D-LOK Ball Bearings
DLM MEDIUM DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs / kg	A	B	C	D min.	D max.	F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
206	1	4.2	1-9/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	2-7/32	1-3/4	5/8	15/16	2-7/8	5-3/4	9/16	3/16
207	1-3/16 1-1/4	5.6 4.9	1-3/4	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15-16	45/64	3-3/4	2-11/16	1-7/8	11/16	1-1/16	2-29/32	5-13/16	9/16	3/16
208	1-7/16 *35mm*	7.2 *3.2*	2 *50.8*	7-1/4 *184.2*	1-15/16 *49.2*	5-3/16 *131.8*	5-7/8 *149.2*	1/2 *M12*	29/32 *23.0*	15/16 *23.8*	4-3/16 *106.4*	2-47/64 *69.5*	2-1/8 *54.0*	3/4 *19.1*	1-1/4 *31.8*	3-17/64 *82.9*	6-17/32 *165.9*	11/16 *17.5*	3/16 *4.8*
209	1-1/2 1-5/8	9.2 6.8	2	7-7/16	2	5-1/2	6-3/16	1/2	29/32	15/16	4-15/32	3-1/16	2-5/16	3/4	1-1/4	3-3/8	6-3/4	11/16	3/16
210	1-11/16 1-3/4	10.1 10.1	2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	13/16	4-19/32	3-9/32	2-5/16	3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
210 (DLMB)	1-11/16		2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	13/16	4-19/32	3-9/32		3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
211	1-15/16 2 *50mm*	12.3 12.2 *5.5*	2-1/4 *57.2*	8-7/8 *225.4*	2-5/16 *58.8*	6-3/8 *161.9*	7-7/16 *188.9*	5/8 *M16*	1-7/32 *31.0*	7/8 *22.2*	4-31/32 *126.2*	3-11/16 *93.7*	2-1/2 *63.5*	7/8 *22.2*	1-3/8 *34.9*	3-15/16 *100.0*	7-7/8 *200.0*	13/16 *20.6*	3/16 *4.8*
212	2-3/16 2-1/4	17.5 17.5	2-5/8	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	4-7/64	2-3/4	1	1-5/8	4-1/4	8-1/2	7/8	3/16
214	2-7/16 2-1/2 *65mm*	19.4 19.4 *6.9*	2-13/16 *71.4*	10-3/4 *273.1*	2-11/16 *68.3*	7-1/2 *190.5*	8-1/2 *215.9*	3/4 *M18*	1-5/16 *33.3*	15/16 *23.8*	6-5/64 *129.0*	4-3/8 *111.1*	3 *76.2*	1-1/16 *27.0*	1-3/4 *44.5*	4-7/8 *123.8*	9-3/4 *247.7*	15/16 *23.8*	3/16 *4.8*
215	2-11/16	24.9	2-21/64	11-3/4	2-7/8	8-1/2	9-1/2	7/8	1-7/16	1	6-3/4	4-11/16	3-1/2	53/64	1-1/2	- - - - -	- - - - -	- - -	- - -
216	2-15/16	25.4	2-31/64	11-3/4	3	8-1/2	9-1/2	7/8	1-7/16	1-1/4	6-31/32	5	3-1/2	27/32	1-41/64	- - - - -	- - - - -	- - -	- - -
218	3-7/16	34.9	2-21/32	14	3-3/8	10-5/16	11-5/8	7/8	1-19/32	1-5/16	8	5-1/2	4	59/64	1-47/64	- - - - -	- - - - -	- - -	- - -

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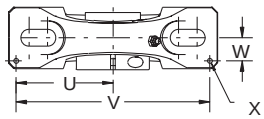
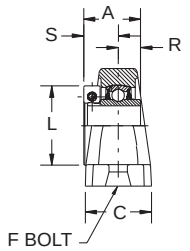
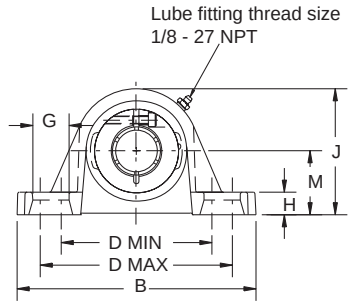
SELECTION/DIMENSIONS

D-LOK Ball Bearings
DLMAH MEDIUM DUTY AIR HANDLING PILLOW BLOCKS







Series	Shaft Size	Part No.	Description
206	1	**128474**	P2B-DLMAH-100
207	1-3/16 1-1/4	**128475** **065784**	P2B-DLMAH-103 P2B-DLAH-104
208	1-7/16	**128476**	P2B-DLMAH-107
209	1-1/2 1-5/8	**128477** **@**	P2B-DLMAH-108 P2B-DLAH-110L
210	1-11/16 1-3/4	**128478** **128479**	P2B-DLMAH-111 P2B-DLMAH-112
211	1-15/16 2	**128480** **128481**	P2B-DLMAH-115 P2B-DLMAH-200
212	2-3/16 2-1/4	**128482** **128483**	P2B-DLMAH-203 P2B-DLMAH-204
214	2-7/16 2-1/2	**128484** **128485**	P2B-DLMAH-207 P2B-DLMAH-208
215	2-11/16	**128488**	P2B-DLMAH-211
216	2-15/16	**128489**	P2B-DLMAH-215
218	3-7/16	**128490**	P2B-DLMAH-307

@ Assembled to order

D-LOK Ball Bearings
DLMAH MEDIUM DUTY AIR HANDLING PILLOW BLOCKS

Series	Shaft Size	Weight lbs	A	B	C	D		F Bolt Dia.	G	H	J	L	M	R	S	U	V	W	X
						min.	max.												
206	1	4.2	1-9/16	6-1/4	1-47/64	4-1/4	5	1/2	15/16	3/4	3-5/16	2-7/32	1-3/4	5/8	15/16	2-7/8	5-3/4	9/16	3/16
207	1-3/16 1-1/4	5.6 4.9	1-3/4	6-1/2	1-47/64	4-11/16	5-7/16	1/2	15-16	45/64	3-3/4	2-11/16	1-7/8	11/16	1-1/16	2-29/32	5-13/16	9/16	3/16
208	1-7/16	7.2	2	7-1/4	1-15/16	5-3/16	5-7/8	1/2	29/32	15/16	4-3/16	2-47/64	2-1/8	3/4	1-1/4	3-17/64	6-17/32	11/16	3/16
209	1-1/2 1-5/8	9.2 6.8	2	7-7/16	2	5-1/2	6-3/16	1/2	29/32	15/16	4-15/32	3-1/16	2-5/16	3/4	1-1/4	3-3/8	6-3/4	11/16	3/16
210	1-11/16 1-3/4	10.1 10.1	2-3/32	8-1/8	2-1/4	6	6-11/16	5/8	1-1/64	13/16	4-19/32	3-9/32	2-5/16	3/4	1-11/32	3-11/16	7-3/8	13/16	3/16
211	1-15/16 2	12.3 12.2	2-1/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3-11/16	2-1/2	7/8	1-3/8	3-15/16	7-7/8	13/16	3/16
212	2-3/16 2-1/4	17.5 17.5	2-5/8	9-1/2	2-3/8	6-7/8	7-15/16	5/8	1-7/32	7/8	5-13/32	4-7/64	2-3/4	1	1-5/8	4-1/4	8-1/2	7/8	3/16
214	2-7/16 2-1/2	19.4 19.4	2-13/16	10-3/4	2-11/16	7-1/2	8-1/2	3/4	1-5/16	15/16	6-5/64	4-3/8	3	1-1/16	1-3/4	4-7/8	9-3/4	15/16	3/16
215	2-11/16	24.9	2-21/64	11-3/4	2-7/8	8-1/2	9 1/2	7/8	1-7/16	1	6-3/4	4-11/16	3-1/2	53/64	1-1/2	- - - - -	- - - - -	- - - - -	- - - - -
216	2-15/16	25.4	2-31/64	11-3/4	3	8-1/2	9 1/2	7/8	1-7/16	1-1/4	6-31/32	5	3-1/2	27/32	1-41/64	- - - - -	- - - - -	- - - - -	- - - - -
218	3-7/16	34.9	2-21/32	14	3-3/8	10-5 /16	11-5/8	7/8	1-19/32	1-5/16	8	5-1/2	4	59/64	1-47/64	- - - - -	- - - - -	- - - - -	- - - - -

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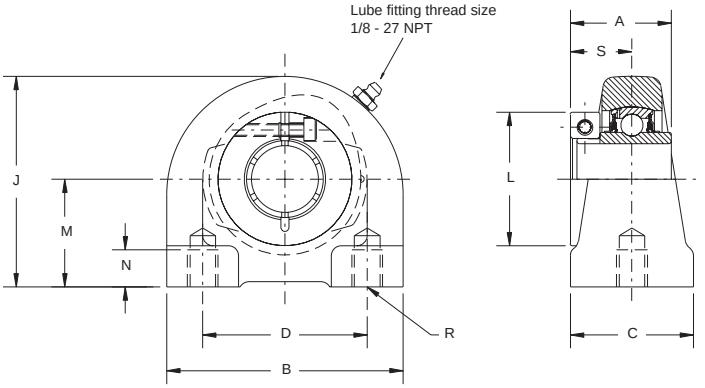
SELECTION/DIMENSIONS

D-LOK Ball Bearings
DL NORMAL DUTY TAPPED BASE PILLOW BLOCKS



Series	Shaft Size	Part No.	Description
204	3/4	**128742**	TB-DL-012
	20mm	*@*	*TB-DL-20M*
205	7/8	**053011**	TB-DL-014
	15/16	**128743**	TB-DL-015
	1	**128744**	TB-DL-100
	25mm	*@*	*TB-DL-25M*
206	1-1/8	**128745**	TB-DL-102
	1-3/16	**128746**	TB-DL-103
	1-1/4	**128747**	TB-DL-104S
	30mm	*@*	*TB-DL-30M*
207	1-1/4	**128748**	TB-DL-104
	1-3/8	**128749**	TB-DL-106
	1-7/16	**128750**	TB-DL-107
	35mm	*@*	*TB-DL-35M*
208	1-1/2	**128751**	TB-DL-108
	40mm	*@*	*TB-DL-40M*
209	1-5/8	**128752**	TB-DL-110L
	1-11/16	**128753**	TB-DL-111
	1-3/4	**128754**	TB-DL-112
	45mm	*@*	*TB-DL-45M*
210	1-15/16	**128755**	TB-DL-115
	2	**128756**	TB-DL-200
	50mm	*@*	*TB-DL-50M*

@ Assembled to order

D-LOK Ball Bearings

DL NORMAL DUTY TAPPED BASE PILLOW BLOCKS

Series	Shaft Size	Weight lbs kg	A	B	C	D	J	L	M	N Min. Tap Depth	R Bolt Hole UNC-Thread	S
204	3/4	1.9	1-9/32	2-7/8	1-1/2	2	2-9/16	1-45/64	1-5/16	1/2	3/8-16	25/32
	20mm	*0.9*	*32.5*	*73.0*	*38.1*	*50.8*	*65.1*	*43.3*	*33.3*	*12.7*	*M8 x 1.25*	*19.8*
205	7/8	2.1	1-7/16	3	1-1/2	2	2-13/16	2	1-7/16	1/2	3/8-16	7/8
	15/16	2.0										
	1	1.9										
	25mm	*1.0*	*36.5*	*76.2*	*38.1*	*50.8*	*71.4*	*50.8*	*36.5*	*12.7*	*M10 x 1.5*	*22.2*
206	1-1/8	3.6	1-9/16	4	1-1/2	3	3-3/8	2-7/32	1-11/16	5/8	7/16-14	15/16
	1-3/16	3.5										
	1-1/4	3.5										
	30mm	*1.7*	*39.7*	*101.6*	*38.1*	*76.2*	*85.7*	*56.4*	*42.9*	*15.9*	*M10 x 1.5*	*23.8*
207	1-1/4	4.7	1-3/4	4-1/4	1-7/8	3-1/4	3-3/4	2-11/16	1-7/8	3/4	1/2-13	1-1/16
	1-3/8	4.7										
	1-7/16	4.6										
	35mm	*2.2*	*44.5*	*108.0*	*47.6*	*82.6*	*95.3*	*68.3*	*47.6*	*19.1*	*M10 x 1.5*	*27.0*
208	1-1/2	6.2	2	4-5/8	1-7/8	3-1/2	3-15/16	2-25/32	1-15/16	3/4	1/2-13	1-1/4
	40mm	*2.8*	*50.8*	*117.5*	*47.6*	*88.9*	*100.0*	*70.6*	*49.2*	*19.1*	*M12 x 1.75*	*31.8*
209	1-5/8	6.7	2	5	2	3-3/4	4-1/4	3-1/16	2-1/8	3/4	1/2-13	1-1/4
	1-11/16	6.7										
	1-3/4	6.6										
	45mm	*3.1*	*50.8*	*127.0*	*50.8*	*95.3*	*108.0*	*77.8*	*54.0*	*19.1*	*M12 x 1.75*	*31.8*
210	1-15/16	8.6	2-3/32	5-1/2	2	4	4-5/8	3-9/32	2-1/4	7/8	5/8-11	1-11/32
	2	8.5										
	50mm	*3.9*	*53.2*	*139.7*	*50.8*	*101.6*	*117.5*	*83.3*	*57.2*	*22.2*	*M16 x 2*	*34.1*

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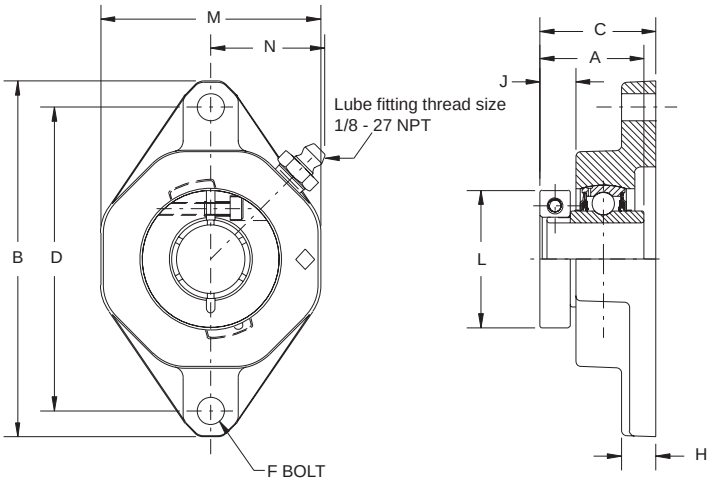
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
204	3/4	**128757**	F2B-DL-012	**052931**	F2B-DL-012-NL
	20mm	***126611***	*F2B-DL-20M*	@	*F2B-DL-20M-NL*
205	7/8	**128758**	F2B-DL-014	@	F2B-DL-014-NL
	15/16	**128759**	F2B-DL-015	**059850**	F2B-DL-015-NL
	1	**128760**	F2B-DL-100	**052984**	F2B-DL-100-NL
	25mm	***126612***	*F2B-DL-25M*	***059680***	*F2B-DL-25M-NL*
206	1-1/8	**128761**	F2B-DL-102	@	F2B-DL-102-NL
	1-3/16	**128762**	F2B-DL-103	@	F2B-DL-103-NL
	1-1/4	**128763**	F2B-DL-104S	@	F2B-DL-104S-NL
	30mm	***126613***	*F2B-DL-30M*	@	*F2B-DL-30M-NL*
207	1-1/4	**128764**	F2B-DL-104	**058625**	F2B-DL-104-NL
	1-3/8	**128765**	F2B-DL-106	@	F2B-DL-106-NL
	1-7/16	**128766**	F2B-DL-107	**056961**	F2B-DL-107-NL
	35mm	***126614***	*F2B-DL-35M*	***065658***	*F2B-DL-35M-NL*
208	1-1/2	**128767**	F2B-DL-108	**059857**	F2B-DL-108-NL
	40mm	***126615***	*F2B-DL-40M*	@	*F2B-DL-40M-NL*
209	1-5/8	**128768**	F2B-DL-110L	@	F2B-DL-110L-NL
	1-11/16	**128769**	F2B-DL-111	**056962**	F2B-DL-111-NL
	1-3/4	**128770**	F2B-DL-112	**054142**	F2B-DL-112-NL
	45mm	***126616***	*F2B-DL-45M*	@	*F2B-DL-45M-NL*
210	1-15/16	**128771**	F2B-DL-115	**056967**	F2B-DL-115-NL
	2	**128772**	F2B-DL-200	@	F2B-DL-200-NL
	50mm	***126617***	*F2B-DL-50M*	@	*F2B-DL-50M-NL*
211	2	**128842**	F2B-DLM-200	@	F2B-DLM-200-NL
	2-3/16	**128774**	F2B-DL-203	@	F2B-DL-203-NL
	55mm	***126618***	*F2B-DL-55M*	@	*F2B-DL-55M-NL*

@ Assembled to order

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D-LOK Ball Bearings

DL NORMAL DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
204	3/4 *20mm*	1.4 *0.6*	1-9/32 *32.5*	4-27/64 *112.3*	1-11/32 *34.1*	3-17/32 *89.7*	3/8 *M10*	13/32 *10.3*	3/8 *9.5*	1-45/64 *43.3*	2-3/8 *60.3*	1-3/8 *34.9*
205	7/8 15/16 1 *25mm*	1.8 1.8 1.8 *0.8*	1-7/16 *36.5*	4-7/8 *123.8*	1-1/2 *38.1*	3-57/64 *98.8*	7/16 *M10*	15/32 *11.9*	15/32 *11.9*	2 *50.8*	2-3/4 *69.9*	1-9/16 *39.7*
206	1-1/8 1-3/16 1-1/4 *30mm*	2.4 2.4 2.3 *1.1*	1-9/16 *39.7*	5-9/16 *141.3*	1-5/8 *41.3*	4-19/32 *116.7*	7/16 *M10*	17/32 *13.5*	31/64 *12.3*	2-7/32 *56.4*	3-1/4 *82.6*	1-3/4 *44.5*
207	1-1/4 1-3/8 1-7/16 *35mm*	3.5 3.5 3.4 *1.6*	1-3/4 *44.5*	6-1/8 *155.6*	1-13/16 *46.0*	5-1/8 *130.2*	1/2 *M12*	35/64 *13.9*	9/16 *14.3*	2-11/16 *68.3*	3-3/4 *95.3*	1-57/64 *48.0*
208	1-1/2 *40mm*	4.8 *2.2*	2 *50.8*	6-3/4 *171.5*	2-5/64 *52.8*	5-21/32 *143.7*	1/2 *M12*	17/32 *13.5*	21/32 *16.7*	2-47/64 *69.5*	4-1/8 *104.8*	1-7/8 *47.6*
209	1-5/8 1-11/16 1-3/4 *45mm*	5.2 5.2 5.2 *2.4*	2 *50.8*	7-1/16 *179.4*	2-7/64 *53.6*	5-27/32 *148.4*	9/16 *M16*	9/16 *14.3*	21/32 *16.7*	2-63/64 *75.8*	4-3/8 *111.1*	1-31/32 *50.0*
210	1-15/16 2 *50mm*	6.0 5.9 *2.7*	2-3/32 *53.2*	7-7/16 *188.9*	2-7/32 *56.4*	6-3/16 *157.2*	9/16 *M16*	35/64 *13.9*	11/16 *17.5*	3-15/64 *82.1*	4-9/16 *115.9*	2-1/32 *51.6*
211	2 2-3/16 *55mm*	9.1 9.1 *4.1*	2-1/4 *57.2*	8-1/2 *215.9*	2-3/8 *60.3*	7-1/4 *184.2*	5/8 *M16*	19/32 *15.1*	11/16 *17.5*	3-11/16 *93.7*	5-1/4 *133.4*	2-9/32 *57.9*

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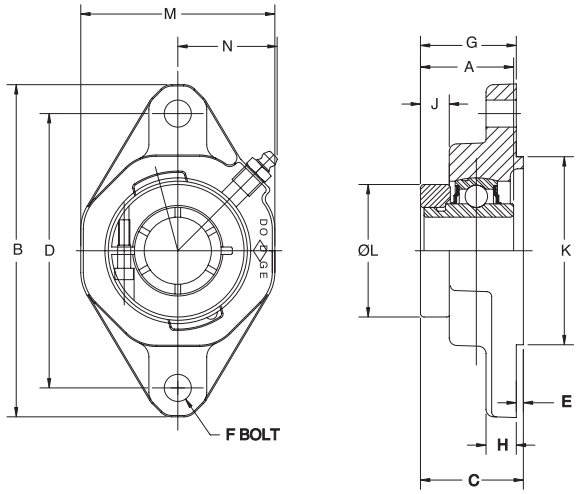
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	**056696**	F2BZ-DL-012
	20mm	***126646***	*F2BZ-DL-20M*
205	7/8	**067997**	F2BZ-DL-014
	15/16	@	F2BZ-DL-015
	1	**056867**	F2BZ-DL-100
	25mm	***126647***	*F2BZ-DL-25M*
206	1-1/8	@	F2BZ-DL-102
	1-3/16	@	F2BZ-DL-103
	1-1/4	**064473**	F2BZ-DL-104S
	30mm	***126648***	*F2BZ-DL-30M*
207	1-1/4	@	F2BZ-DL-104
	1-3/8	@	F2BZ-DL-106
	1-7/16	@	F2BZ-DL-107
	35mm	***126649***	*F2BZ-DL-35M*
208	1-1/2	**065770**	F2BZ-DL-108
	40mm	***126650***	*F2BZ-DL-40M*
209	1-5/8	@	F2BZ-DL-110L
	1-11/16	@	F2BZ-DL-111
	1-3/4	@	F2BZ-DL-112
	45mm	***126651***	*F2BZ-DL-45M*
210	1-15/16	**067958**	F2BZ-DL-115
	2	**065771**	F2BZ-DL-200
	50mm	***126652***	*F2BZ-DL-50M*

@ Assembled to order

D-LOK Ball Bearings

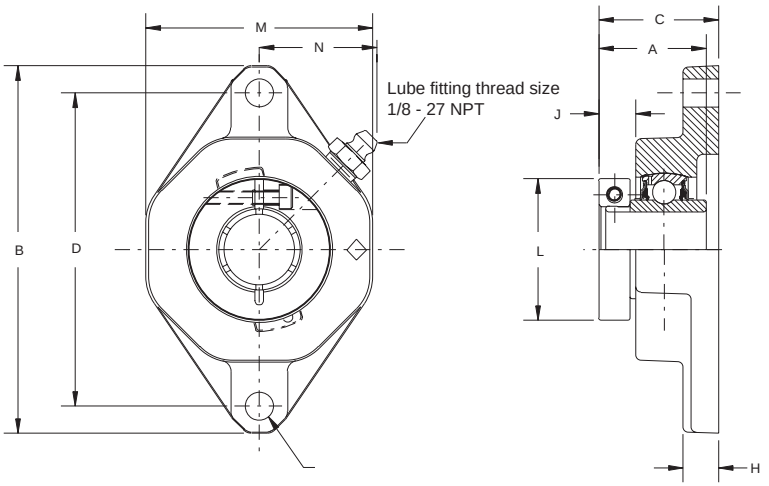
DL NORMAL DUTY 2-BOLT PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	J	K	L	M	N
204	3/4	1.4	1-9/32	4-27/64	1-17/32	3-17/32	0.138	3/8	1-25/64	29/64	3/8	2.1654	1-45/64	2-3/8	1-3/8
	20mm	*0.6*	*32.5*	*112.3*	*38.8*	*89.7*	*3.5*	*M10*	*35.3*	*11.5*	*9.5*	*55.0*	*43.3*	*60.3*	*34.9*
205	7/8	1.8	1-7/16	4-7/8	1-5/8	3-57/64	0.138	7/16	1-31/64	29/64	15/32	2.3622	2	2-3/4	1-9/16
	15/16	1.8													
	1	1.8													
	25mm	*0.8*	*36.5*	*123.8*	*41.1*	*98.8*	*3.5*	*M10*	*37.6*	*11.5*	*11.9*	*60.0*	*50.8*	*69.9*	*39.7*
206	1-1/8	2.4	1-9/16	5-9/16	1-51/64	4-19/32	0.118	7/16	1-43/64	1/2	31/64	3.1496	2-7/32	3-1/4	1-3/4
	1-3/16	2.4													
	1-1/4	2.3													
	30mm	*1.1*	*39.7*	*141.3*	*45.4*	*116.7*	*3.0*	*M10*	*42.4*	*12.7*	*12.3*	*80.0*	*56.4*	*82.6*	*44.5*
207	1-1/4	3.5	1-3/4	6-1/8	1-57/64	5-1/8	0.158	1/2	1-47/64	31/64	9/16	3.5433	2-11/16	3-3/4	1-57/64
	1-3/8	3.5													
	1-7/16	3.4													
	35mm	1.6	44.5	155.6	48.0	130.2	4.0	M12	44.0	12.3	14.3	90.0	68.3	95.3	48.0
208	1-1/2	4.8	2	6-3/4	2-13/64	5-21/32	0.158	1/2	2-1/32	1/2	21/32	3.9370	2-47/64	4-1/8	1-7/8
	40mm	*2.2*	*50.8*	*171.5*	*55.8*	*143.7*	*4.0*	*M12*	*51.8*	*12.7*	*16.7*	*100.0*	*69.5*	*104.8*	*47.6*
209	1-5/8	5.2	2	7-1/16	2-13/64	5-27/32	0.158	1/2	2-1/32	31/64	21/32	4.1339	2-63/64	4-3/8	1-31/32
	1-11/16	5.2													
	1-3/4	5.2													
	45mm	*2.4*	*50.8*	*179.4*	*55.8*	*148.4*	*4.0*	*M12*	*51.8*	*12.3*	*16.7*	*105.0*	*75.8*	*111.1*	*50.0*
210	1-15/16	6.0	2-3/32	7-7/16	2-29/64	6-3/16	0.158	9/16	2-19/64	5/8	11/16	4.1339	3-15/64	4-9/16	2-1/32
	2	5.9													
	50mm	*2.6*	*53.2*	*188.9*	*62.1*	*157.2*	*4.0*	*M16*	*58.1*	*15.9*	*17.5*	*105.0*	*82.2*	*115.9*	*51.6*

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DLM MEDIUM DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
206	1	**128835**	F2B-DLM-100
207	1-3/16 1-1/4	**128836** **128764**	F2B-DLM-103 F2B-DL-104
208	1-7/16 *35mm*	**128837** ***126641***	F2B-DLM-107 *F2B-DLM-35M*
209	1-1/2	**128838**	F2B-DLM-108
210	1-11/16 1-3/4	**128839** **128840**	F2B-DLM-111 F2B-DLM-112
211	1-15/16 2	**128841** **128842**	F2B-DLM-115 F2B-DLM-200

D-LOK Ball Bearings

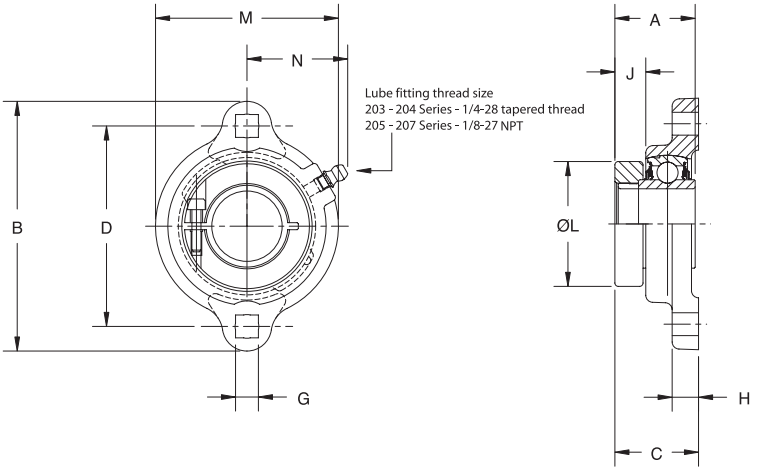
DLM MEDIUM DUTY 2-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	M	N
206	1	2.6	1-9/16	5-9/16	1-5/8	4-19/32	7/16	17/32	31/64	2-7/32	3-1/4	1-3/4
207	1-3/16 1-1/4	3.7 3.5	1-3/4	6-1/8	1-13/16	5-1/8	1/2	35/64	9/16	2-11/16	3-3/4	1-57/64
208	1-7/16 *35mm*	5.0 *2.2*	2 *50.8*	6-3/4 *171.5*	2-5/64 *52.8*	5-21/32 *143.7*	1/2 *M12*	17/32 *13.5*	21/32 *16.7*	2-47/64 *69.5*	4-1/8 *104.8*	1-7/8 *47.6*
209	1-1/2	5.6	2	7-1/16	2-7/64	5-27/32	9/16	17/32	21/32	2-47/64	4-3/8	1-31/32
210	1-11/16 1-3/4	6.2 6.1	2-3/32	7-7/16	2-7/32	6-3/16	9/16	35/64	11/16	3-15/64	4-9/16	2-1/32
211	1-15/16 2	9.2 9.1	2-1/4	8-1/2	2-3/8	7-1/4	5/8	19/32	11/16	3-11/16	5-1/4	2-9/32

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL LFT NORMAL DUTY 2-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	@	LFT-DL-012
205	7/8	**053140**	LFT-DL-014
	15/16	**062525**	LFT-DL-015
	1	**052668**	LFT-DL-100
206	1-1/8	@	LFT-DL-102
	1-3/16	**056889**	LFT-DL-103
	1-1/4	**052535**	LFT-DL-104S
207	1-1/4	@	LFT-DL-104
	1-3/8	@	LFT-DL-106
	1-7/16	**049447**	LFT-DL-107

@ Assembled to order

D-LOK Ball Bearings

DL LFT NORMAL DUTY 2-BOLT FLANGE BEARINGS

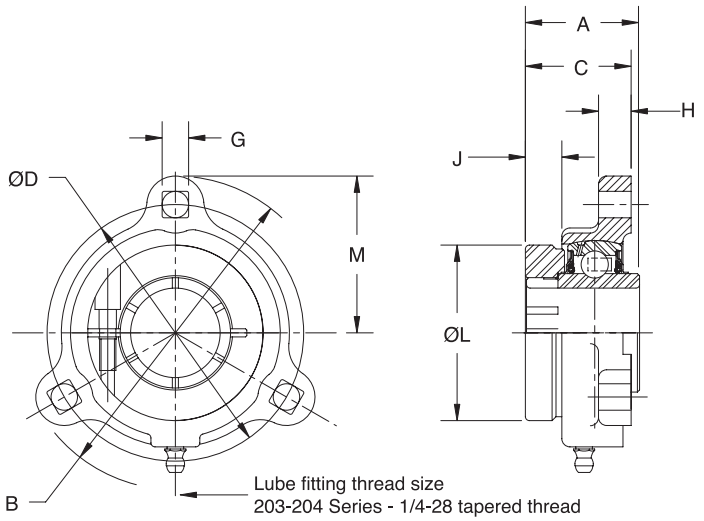
Series	Shaft Size	Weight lbs	A	B	C	D	G	H	J	L	M	N
204	3/4	0.80	1-9/32	3-9/16	1-17/32	2-13/16	11/32	27/64	3/8	1-45/64	2-3/8	1-11/32
205	7/8 15/16 1	0.95 0.90 0.85	1-7/16	3-3/4	1-1/4	3	11/32	27/64	13/32	2	2-5/8	1-7/16
206	1-1/8 1-3/16 1-1/4	1.50 1.45 1.40	1-9/16	4-7/16	1-35/64	3-9/16	13/32	15/32	17/32	2-7/32	3-1/4	1-23/32
207	1-1/4 1-3/8 1-7/16	1.85 1.80 1.75	1-3/4	4-13/16	1-19/32	3-15/16	13/32	1/2	17/32	2-11/16	3-1/2	1-53/64

Lube fitting thread size - 1/4-28 tapered thread

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL LFT NORMAL DUTY 3-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
204	3/4	**049709**	LF-DL-012
205	7/8 15/16 1	**064735** @ **056890**	LF-DL-014 LF-DL-015 LF-DL-100
206	1-1/8 1-3/16 1-1/4	**049930** **056780** @	LF-DL-102 LF-DL-103 LF-DL-104S
207	1-1/4 1-3/8 1-7/16	**064624** **068663** @	LF-DL-104 LF-DL-106 LF-DL-107

@ Assemble to order

D-LOK Ball Bearings

DL LFT NORMAL DUTY 3-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	D	G	H	J	L	M	N
204	3/4	0.85	1-9/32	3-9/16	1-7/32	2-13/16	23/64	3/8	11/32	23/64	1-19/32	1-27/32
205	7/8 15/16 1	1.10 1.05 1.00	1-7/16	3-3/4	1-1/4	3	11/32	27/64	3/8	27/64	1-25/32	1-37/64
206	1-1/8 1-3/16 1-1/4	1.65 1.60 1.55	1-9/16	4-7/16	1-15/32	3-9/16	13/32	27/64	13/32	27/64	1-7/8	1-45/64
207	1-1/4 1-3/8 1-7/16	1.50 2.10 2.05	1-3/4	4-13/16	1-19/32	3-15/16	13/32	15/32	17/32	31/64	2-7/32	2-1/64

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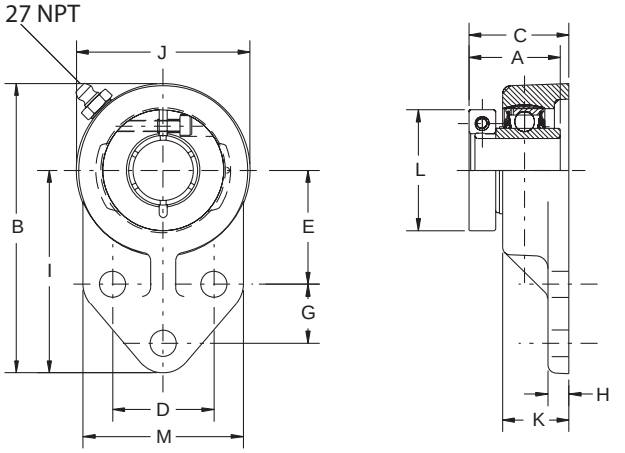
SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL FB NORMAL DUTY 3-BOLT FLANGE BRACKET BEARINGS

Lube fitting thread size
1/8 - 27 NPT



Series	Shaft Size	Part No.	Description
204	3/4	**128796**	FB-DL-012
205	7/8	**128797**	FB-DL-014
	15/16	**128798**	FB-DL-015
	1	**128799**	FB-DL-100
206	1-1/8	**128800**	FB-DL-102
	1-3/16	**128801**	FB-DL-103
	1-1/4	**128802**	FB-DL-104S
207	1-1/4	**128803**	FB-DL-104
	1-3/8	**128804**	FB-DL-106
	1-7/16	**128805**	FB-DL-107
208	1-15/16	**128806**	FB-DL-115
	2	**128807**	FB-DL-200

@ Assembled to order

D-LOK Ball Bearings

DL FB NORMAL DUTY 3-BOLT FLANGE BRACKET BEARINGS

Series	Shaft Size	Weight lbs	A	B	C	D	E	F Bolt Dia.	G	H	I	J	K	L	M
204	3/4	0.80	1-9/32	4-1/4	1-11/32	1-1/2	1-11/16	3/8	7/8	5/16	3	2-1/2	63/64	1-45/64	2-3/8
205	7/8 15/16 1	0.95 0.90 0.85	1-7/16	4-3/4	1-1/2	1-5/8	1-13/16	3/8	1-1/8	3/8	3-3/8	2-3/4	1-7/64	2	2-1/2
206	1-1/8 1-3/16 1-1/4	1.50 1.45 1.40	1-9/16	5-3/8	1-5/8	1-7/8	2-1/16	3/8	1-1/4	3/8	3-3/4	3-1/4	1-1/8	2-7/32	2-3/4
207	1-1/4 1-3/8 1-7/16	1.85 1.80 1.75	1-3/4	6-1/8	1-7/8	2	2-3/8	1/2	1-1/4	1/2	4-1/4	3-3/4	1-5/16	2-11/16	3-1/4
210	1-15/16 2	5.7 5.6	2-3/32	7-1/2	2-1/32	2-3/4	2-15/16	1/2	1-5/8	1/2	5-3/16	4-5/8	1-1/2	3-15/64	4

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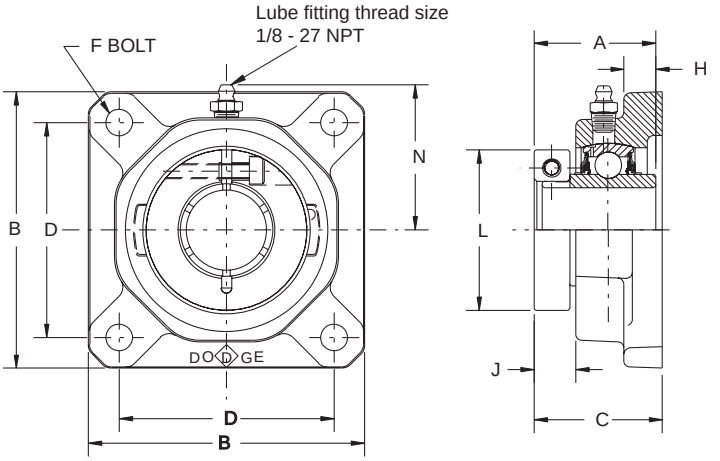
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
204	3/4	**128775**	F4B-DL-012	@	F4B-DL-012-NL
	20mm	***126619***	*F4B-DL-20M*	@	*F4B-DL-20M-NL*
205	7/8	**128776**	F4B-DL-014	@	F4B-DL-014-NL
	15/16	**128777**	F4B-DL-015	@	F4B-DL-015-NL
	1	**128778**	F4B-DL-100	**056512**	F4B-DL-100-NL
	25mm	***126620***	*F4B-DL-25M*	@	*F4B-DL-25M-NL*
206	1-1/8	**128779**	F4B-DL-102	@	F4B-DL-102-NL
	1-3/16	**128780**	F4B-DL-103	@	F4B-DL-103-NL
	1-1/4	**128781**	F4B-DL-104S	**068320**	F4B-DL-104S-NL
	30mm	***126621***	*F4B-DL-30M*	@	*F4B-DL-30M-NL*
207	1-1/4	**128782**	F4B-DL-104	**058898**	F4B-DL-104-NL
	1-3/8	**128783**	F4B-DL-106	**068758**	F4B-DL-106-NL
	1-7/16	**128784**	F4B-DL-107	**059705**	F4B-DL-107-NL
	35mm	***126622***	*F4B-DL-35M*	@	*F4B-DL-35M-NL*
208	1-1/2	**128785**	F4B-DL-108	@	F4B-DL-108-NL
	40mm	***126623***	*F4B-DL-40M*	@	*F4B-DL-40M-NL*

@ Assembled to order

D-LOK Ball Bearings

DL NORMAL DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
204	3/4 *20mm*	1.7 *0.8*	1-9/32 *32.5*	3-3/8 *85.7*	1-11/32 *34.1*	2-1/2 *63.5*	3/8 *M10*	13/32 *10.3*	3/8 *9.5*	1-45/64 *43.3*	2-1/32 *51.6*
205	7/8 15/16 1 *25mm*	2.2 2.2 2.2 *1.0*	1-7/16 *36.5*	3-3/4 *95.3*	1-1/2 *38.1*	2-3/4 *69.9*	7/16 *M10*	15/32 *11.9*	15/32 *11.9*	2 *50.8*	2-1/8 *54.0*
206	1-1/8 1-3/16 1-1/4 *30mm*	3.8 3.7 3.7 *1.7*	1-9/16 *39.7*	4-1/4 *108.0*	1-5/8 *41.3*	3-1/4 *82.6*	7/16 *M10*	17/32 *13.5*	31/64 *12.3*	2-7/32 *56.4*	2-5/32 *54.8*
207	1-1/4 1-3/8 1-7/16 *35mm*	4.4 4.4 4.3 *2.0*	1-3/4 *44.5*	4-5/8 *117.5*	1-13/16 *46.0*	3-5/8 *92.1*	1/2 *M12*	9/16 *14.3*	9/16 *14.3*	2-11/16 *68.3*	2-13/32 *61.1*
208	1-1/2 *40mm*	5.8 *2.6*	2 *50.8*	5-1/8 *130.2*	2-5/64 *52.8*	4 *101.6*	1/2 *M12*	35/64 *13.9*	21/32 *16.7*	2-47/64 *69.5*	2-19/32 *65.9*

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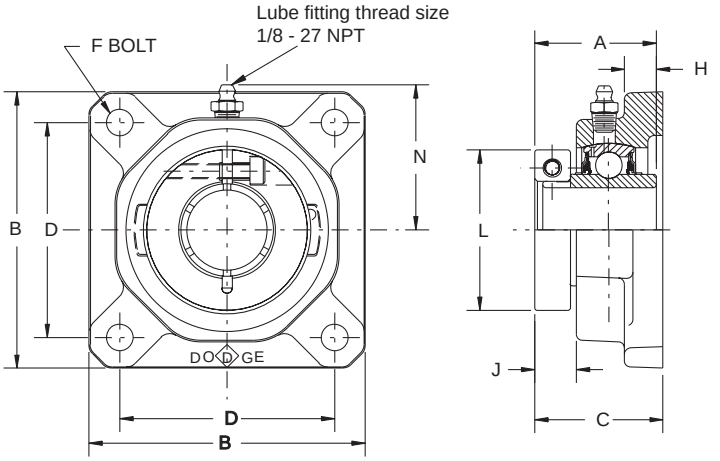
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Standard		No Lube/Sealed for Life (-NL)	
		Part No.	Description	Part No.	Description
209	1-5/8	**128786**	F4B-DL-110L	@	F4B-DL-110L-NL
	1-11/16	**128787**	F4B-DL-111	**056970**	F4B-DL-111-NL
	1-3/4	**128788**	F4B-DL-112	@	F4B-DL-112-NL
	45mm	***126624***	*F4B-DL-45M*	@	*F4B-DL-45M-NL*
210	1-15/16	**128789**	F4B-DL-115	**056968**	F4B-DL-115-NL
	2	**128790**	F4B-DL-200	@	F4B-DL-200-NL
	50mm	***126625***	*F4B-DL-50M*	@	*F4B-DL-50M-NL*
211	2	**128850**	F4B-DLM-200	@	F4B-DLM-200-NL
	2-3/16	**128792**	F4B-DL-203	@	F4B-DL-203-NL
	55mm	***126626***	*F4B-DL-55M*	@	*F4B-DL-55M-NL*
212	2-1/4	**128852**	F4B-DLM-204	@	F4B-DLM-204-NL
	2-7/16	**128794**	F4B-DL-207	@	F4B-DL-207-NL
	60mm	***126627***	*F4B-DL-60M*	@	*F4B-DL-60M-NL*
214	2-1/2	**128854**	F4B-DLM-208	@	F4B-DLM-208-NL
	2-11/16	**128795**	F4B-DL-211	@	F4B-DL-211-NL
	70mm	***126628***	*F4B-DL-70M*	@	*F4B-DL-70M-NL*
215	2-15/16	**062152**	F4B-DL-215	@	F4B-DL-215-NL

@ Assembled to order

D-LOK Ball Bearings

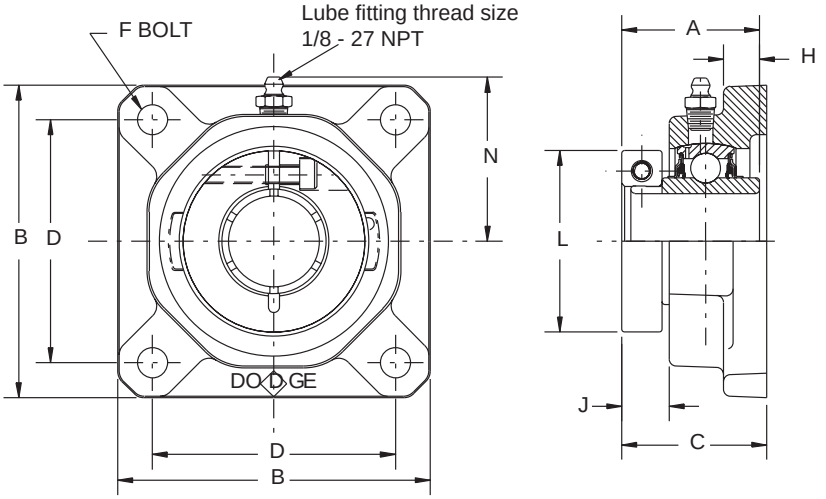
DL NORMAL DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
209	1-5/8 1-11/16 1-3/4 *45mm*	6.0 6.0 5.9 *2.7*	2 *50.8*	5-3/8 *136.5*	2-7/64 *53.6*	4-1/8 *104.8*	9/16 *M14*	9/16 *14.3*	21/32 *16.7*	2-63/64 *75.8*	2-45/64 *68.7*
210	1-15/16 2 *50mm*	7.0 6.9 *3.1*	2-3/32 *53.2*	5-5/8 *142.9*	2-7/32 *56.4*	4-3/8 *111.1*	9/16 *M14*	35/64 *13.9*	11/16 *17.5*	3-15/64 *82.1*	2-51/64 *71.0*
211	2 2-3/16 *55mm*	11.0 11.0 *5.0*	2-1/4 *57.2*	6-3/8 *161.9*	2-3/8 *60.3*	5-1/8 *130.2*	5/8 *M16*	19/32 *15.1*	11/16 *17.5*	3-11/16 *93.7*	3-9/64 *79.8*
212	2-1/4 2-7/16 *60mm*	13.3 13.0 *5.9*	2-5/8 *66.7*	6-7/8 *174.6*	2-3/4 *69.9*	5-5/8 *142.9*	5/8 *M16*	19/32 *15.1*	7/8 *22.2*	4-7/64 *104.4*	3-15/64 *82.2*
214	2-1/2 2-11/16 *70mm*	14.6 14.6 *6.6*	2-13/16 *71.4*	7-3/8 *187.3*	3-1/16 *77.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	57/64 *22.6*	4-3/8 *111.1*	3-9/16 *90.5*
215	2-15/16	18.8	2-21/64	7-3/4	2-57/64	6	3/4	1	41/64	4-11/16	3-7/8

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DLM MEDIUM DUTY 4-BOLT FLANGE BEARINGS



Series	Shaft Size	Part No.	Description
206	1	**128843**	F4B-DLM-100
207	1-3/16 1-1/4	**128844** **128782**	F4B-DLM-103 F4B-DL-104
208	1-7/16 *35mm*	**128845** ***126642***	F4B-DLM-107 *F4B-DLM-35M*
209	1-1/2 1-5/8	**128846** **128786**	F4B-DLM-108 F4B-DL-110L
210	1-11/16 1-3/4	**128847** **128848**	F4B-DLM-111 F4B-DLM-112
211	1-15/16 2	**128849** **128850**	F4B-DLM-115 F4B-DLM-200
212	2-3/16 2-1/4	**128851** **128852**	F4B-DLM-203 F4B-DLM-204
214	2-7/16 2-1/2 *65mm*	**128853** **128854** ***126643***	F4B-DLM-207 F4B-DLM-208 *F4B-DLM-65M*
215	2-11/16	**062263**	F4B-DLM-211
216	2-15/16	**058395**	F4B-DLM-215
218	3-7/16	**@**	F4B-DLM-307

@ Assembled to order

D-LOK Ball Bearings

DLM MEDIUM DUTY 4-BOLT FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	F Bolt Dia.	H	J	L	N
206	1	3.8	1-9/16	4-1/4	1-5/8	3-1/4	7/16	17/32	31/64	2-7/32	2-5/32
207	1-3/16 1-1/4	4.4 3.7	1-3/4	4-5/8	1-13/16	3-5/8	1/2	9/16	9/16	2-11/16	2-13/32
208	1-7/16 *35mm*	5.9 *2.2*	2 *50.8*	5-1/8 *130.2*	2-5/64 *52.8*	4 *101.6*	1/2 *M12*	35/64 *13.9*	21/32 *16.7*	2-47/64 *69.5*	2-19/32 *65.9*
209	1-1/2 1-5/8	6.4 6.0	2	5-3/8	2-7/64	4-1/8	9/16	9/16	21/32	2-63/64	2-45/64
210	1-11/16 1-3/4	7.4 7.3	2-3/32	5-5/8	2-7/32	4-3/8	9/16	35/64	11/16	3-15/64	2-51/64
211	1-15/16 2	11.1 11.0	2-1/4	6-3/8	2-3/8	5-1/8	5/8	19/32	11/16	3-11/16	3-9/64
212	2-3/16 2-1/4	13.3 13.3	2-5/8	6-7/8	2-3/4	5-5/8	5/8	19/32	7/8	4-7/64	3-15/64
214	2-7/16 2-1/2 *65mm*	14.8 14.6 *6.6*	2-13/16 *71.4*	7-3/8 *187.3*	3-1/16 *77.8*	5-7/8 *149.2*	5/8 *M16*	11/16 *17.5*	57/64 *22.6*	4-3/8 *111.1*	3-9/16 *90.5*
215	2-11/16	20.3	2-21/64	7-3/4	2-57/64	6	3/4	1	41/64	4-11/16	3-7/8
216	2-15/16	20.6	2-31/64	7-3/4	3-3/32	6	3/4	7/8	19/32	5	4-9/32
218	3-7/16	36.1	2-21/32	8-7/16	3-11/32	6-3/4	3/4	1	9/16	5-1/2	4-5/8

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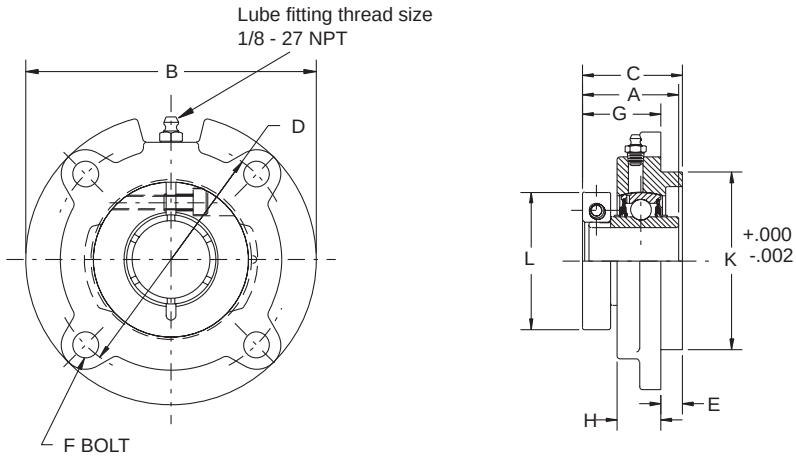
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY PILOTED FLANGE BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
206	1-1/8	**128808**	FC-DL-102
	1-3/16	**128809**	FC-DL-103
	1-1/4	**049610**	FC-DL-104S
	30mm	***126653***	*FC-DL-30M*
207	1-1/4	**128810**	FC-DL-104
	1-3/8	**128811**	FC-DL-106
	1-7/16	**128812**	FC-DL-107
	35mm	***126654***	*FC-DL-35M*
208	1-1/2	**128813**	FC-DL-108
	40mm	***126655***	*FC-DL-40M*
209	1-5/8	**128814**	FC-DL-110L
	1-11/16	**128815**	FC-DL-111
	1-3/4	**128816**	FC-DL-112
	45mm	***126656***	*FC-DL-45M*
210	1-15/16	**128817**	FC-DL-115
	2	**128818**	FC-DL-200
	50mm	***126657***	*FC-DL-50M*
211	2	**128862**	FC-DLM-200
	2-3/16	**128820**	FC-DL-203
	55mm	***126658***	*FC-DL-55M*
212	2-1/4	**128864**	FC-DLM-204
	2-7/16	**128822**	FC-DL-207
	60mm	***126659***	*FC-DL-60M*
214	2-1/2	**128866**	FC-DLM-208
	2-11/16	**049838**	FC-DL-211
	70mm	***126661***	*FC-DL-70M*

D-LOK Ball Bearings

DL NORMAL DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
206	1-1/8	3.0	1-9/16	4-3/8	1-17/32	3-5/8	1/4	3/8	1-9/32	13/16	3	2-7/32
	1-3/16	3.0										
	1-1/4	3.0										
	30mm	*1.4*	*39.7*	*111.1*	*38.9*	*92.1*	*6.4*	*M10*	*32.5*	*20.6*	*76.2*	*56.4*
207	1-1/4	4.1	1-3/4	5	1-51/64	4-1/8	3/8	3/8	1-27/64	27/32	3-3/8	2-11/16
	1-3/8	4.0										
	1-7/16	4.0										
	35mm	*1.6*	*44.5*	*127.0*	*45.6*	*104.8*	*9.5*	*M10*	*36.1*	*21.4*	*85.7*	*68.3*
208	1-1/2	4.9	2	5-1/4	2-3/64	4-3/8	7/16	7/16	1-39/64	57/64	3-5/8	2-47/64
	40mm	*2.1*	*50.8*	*133.4*	*52.0*	*111.1*	*11.1*	*M12*	*40.9*	*22.6*	*92.1*	*69.5*
209	1-5/8	6.2	2	6-1/8	2	5-1/8	15/32	1/2	1-9/16	59/64	4-1/4	2-63/64
	1-11/16	6.1										
	1-3/4	6.1										
	45mm	*2.5*	*50.8*	*155.6*	*50.8*	*130.2*	*11.9*	*M12*	*39.7*	*23.4*	*108.0*	*75.8*
210	1-15/16	6.2	2-3/32	6-1/8	2-9/64	5-1/8	15/32	1/2	1-43/64	59/64	4-1/4	3-15/64
	2	6.2										
	50mm	*2.6*	*53.2*	*155.6*	*54.4*	*130.2*	*11.9*	*M12*	*42.5*	*23.4*	*108.0*	*82.1*
211	2	8.0	2-1/4	6-3/8	2-3/8	5-3/8	5/8	1/2	1-3/4	1	4-1/2	3-11/16
	2-3/16	8.0										
	55mm	*3.4*	*57.2*	*161.9*	*60.3*	*136.5*	*15.9*	*M12*	*44.5*	*25.4*	*114.3*	*93.7*
212	2-1/4	11.6	2-5/8	7-1/8	2-3/4	6	7/8	1/2	1-7/8	1	5	4-7/64
	2-7/16	11.6										
	60mm	*4.9*	*66.7*	*181.0*	*69.9*	*152.4*	*22.2*	*M12*	*47.6*	*25.4*	*127.0*	*104.4*
214	2-1/2	13.8	2-13/16	7-5/8	3-5/64	6-1/2	1-1/8	1/2	1-61/64	1-1/16	5-1/2	4-3/8
	2-11/16	13.6										
	70mm	*5.8*	*71.4*	*193.7*	*78.2*	*165.1*	*28.6*	*M12*	*49.6*	*27.0*	*139.7*	*111.1*

* +0.000" -0.002"

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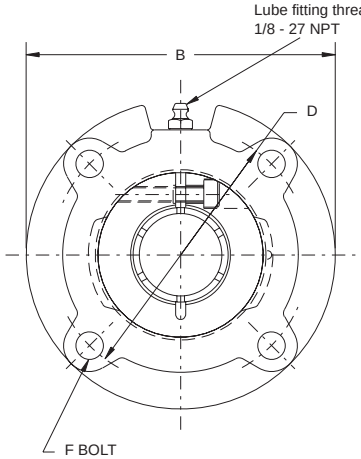
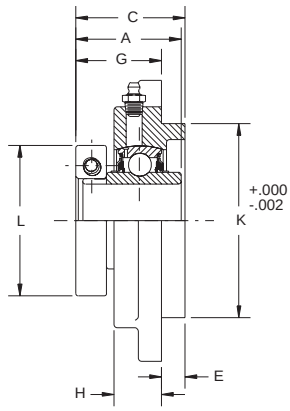
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DLM MEDIUM DUTY PILOTED FLANGE BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
206	1	**128855**	FC-DLM-100
207	1-3/16 1-1/4	**128856** **128810**	FC-DLM-103 FC-DL-104
208	1-7/16 1-1/2 *35mm*	**128857** **128813** ***053784***	FC-DLM-107 FC-DL-108 *FC-DLM-35M*
209	1-1/2 1-5/8	**128858** **128814**	FC-DLM-108L FC-DL-110L
210	1-11/16 1-3/4	**128859** **128860**	FC-DLM-111 FC-DLM-112
211	1-15/16 2	**128861** **128862**	FC-DLM-115 FC-DLM-200
212	2-3/16 2-1/4	**128863** **128864**	FC-DLM-203 FC-DLM-204
214	2-7/16 2-1/2 *65mm*	**128865** **128866** ***126660***	FC-DLM-207 FC-DLM-208 *FC-DLM-65M*
216	2-15/16	**057475**	FC-DLM-215
218	3-7/16	**062373**	FC-DLM-307

@ Assembled to order

D-LOK Ball Bearings

DLM MEDIUM DUTY PILOTED FLANGE BEARINGS

Series	Shaft Size	Weight lbs *kg*	A	B	C	D	E	F Bolt Dia.	G	H	K*	L
206	1	3.1	1-9/16	4-3/8	1-17/32	3-5/8	1/4	3/8	1-9/32	13/16	3	2-7/32
207	1-3/16 1-1/4	4.1 4.1	1-3/4	5	1-51/64	4-1/8	3/8	3/8	1-27/64	27/32	3-3/8	2-11/16
208	1-7/16 1-1/2 *35mm*	5.1 4.9 *2.6*	2 *50.8*	5-1/4 *133.4*	2-3/64 *52.0*	4-3/8 *111.1*	7/16 *11.1*	7/16 *M12*	1-39/64 *40.9*	57/64 *22.6*	3-5/8 *92.1*	2-47/64 *69.5*
209	1-1/2 1-5/8	6.1 6.2	2	6-1/8	2	5-1/8	15/32	1/2	1-9/16	59/64	4-1/4	2-63/64
210	1-11/16 1-3/4	6.2 6.2	2-3/32	6-1/8	2-9/64	5-1/8	15/32	1/2	1-43/64	59/64	4-1/4	3-15/64
211	1-15/16 2	8.0 8.0	2-1/4	6-3/8	2-3/8	5-3/8	5/8	1/2	1-3/4	1	4-1/2	3-11/16
212	2-3/16 2-1/4	11.6 11.6	2-5/8	7-1/8	2-3/4	6	7/8	1/2	1-7/8	1	5	4-7/64
214	2-7/16 2-1/2 *65mm*	13.9 13.8 *5.9*	2-13/16 *71.4*	7-5/8 *193.7*	3-5/64 *78.2*	6-1/2 *165.1*	1-1/8 *28.6*	1/2 *M12*	1-61/64 *49.6*	1-1/16 *27.0*	5-1/2 *139.7*	4-3/8 *111.1*
216	2-15/16	18.8	2-37/64	8-3/4	3-11/64	7-1/2	1-1/4	5/8	1-59/64	1-3/16	6-3/8	5
218	3-7/16	36.8	2-23/32	10-1/4	3-15/32	8-5/8	1-3/8	3/4	2-11/32	1-5/8	7-3/8	5-1/2

*+0.000" -0.002"

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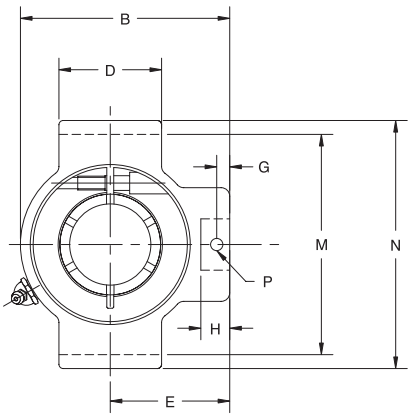
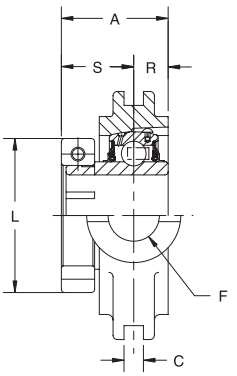
SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS





Series	Shaft Size	Standard	
		Part No.	Description
204	3/4	**052626**	NSTU-DL-012
	20mm	*@*	*NSTU-DL-20M*
205	7/8	@	NSTU-DL-014
	15/16	@	NSTU-DL-015
	1	**058994**	NSTU-DL-100
	25mm	*@*	*NSTU-DL-25M*
206	1-1/8	@	NSTU-DL-102
	1-3/16	**049467**	NSTU-DL-103
	1-1/4	@	NSTU-DL-104S
	30mm	*@*	*NSTU-DL-30M*
207	1-1/4	@	NSTU-DL-104
	1-3/8	**068756**	NSTU-DL-106
	1-7/16	**053493**	NSTU-DL-107
	35mm	*@*	*NSTU-DL-35M*
208	1-1/2	@	NSTU-DL-108
	40mm	*@*	*NSTU-DL-40M*
209	1-5/8	@	NSTU-DL-110L
	1-11/16	**057543**	NSTU-DL-111
	1-3/4	**057658**	NSTU-DL-112
	45mm	*@*	*NSTU-DL-45M*
210	1-15/16	**059880**	NSTU-DL-115
	2	**067903**	NSTU-DL-200
	50mm	*@*	*NSTU-DL-50M*
211	2	@	NSTU-DLM-200
	2-3/16	**062281**	NSTU-DL-203
	55mm	*@*	*NSTU-DL-55M*
212	2-1/4	@	NSTU-DLM-204
	2-7/16	**064430**	NSTU-DL-207
	60mm	***068321***	*NSTU-DL-60M*

@ Assembled to order.

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
204	3/4	1.6	NS210	1-9/32	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	1-45/64	2-5/8	3-1/8	5/16	1/2	25/32
	20mm	*0.8*		*32.5*	*88.9*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*43.3*	*66.7*	*79.4*	*7.9*	*12.7*	*19.8*
205	7/8	1.7	NS210	1-7/16	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16	7/8	1-3/8	2	2-5/8	3-1/8	5/16	9/16	7/8
	15/16	1.6																
	1	1.5																
	25mm	*0.7*		*36.5*	*90.5*	*6.4*	*38.1*	*55.6*	*19.1*	*11.1*	*22.2*	*34.9*	*50.8*	*66.7*	*79.4*	*7.9*	*14.3*	*22.2*
206	1-1/8	2.8	NS308	1-9/16	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-7/32	3-1/2	4-1/8	5/16	5/8	15/16
	1-3/16	2.7																
	1-1/4	2.6																
	30mm	*1.2*		*39.7*	*109.5*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*56.4*	*88.9*	*104.8*	*7.9*	*15.9*	*23.8*
207	1-1/4	2.8	NS308	1-3/4	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-11/16	3-1/2	4-1/8	5/16	11/16	1-1/16
	1-3/8	2.6																
	1-7/16	2.5																
	35mm	*1.2*		*44.5*	*114.3*	*6.4*	*63.5*	*68.3*	*19.1*	*12.7*	*23.8*	*34.9*	*68.3*	*88.9*	*104.8*	*7.9*	*17.5*	*27.0*
208	1-1/2	4.7	NS400	2	5-3/8	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-47/64	4	4-3/4	3/8	3/4	1-1/4
	40mm	*2.1*		*50.8*	*136.5*	*7.9*	*76.2*	*82.6*	*22.2*	*16.7*	*29.4*	*41.3*	*69.5*	*101.6*	*120.7*	*9.5*	*19.1*	*31.8*
209	1-5/8	4.9	NS400	2	5-7/16	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	2-63/64	4	4-3/4	3/8	3/4	1-1/4
	1-11/16	4.8																
	1-3/4	4.7																
	45mm	*2.1*		*50.8*	*138.1*	*7.9*	*76.2*	*82.6*	*22.2*	*18.3*	*31.0*	*41.3*	*75.8*	*101.6*	*120.7*	*9.5*	*19.1*	*31.8*
210	1-15/16	4.9	NS400	2-3/32	5-1/2	5/16	3	3-1/4	7/8	19/32	1-3/32	1-5/8	3-15/64	4	4-3/4	3/8	3/4	1-11/32
	2	4.8																
	50mm	*2.2*		*53.2*	*139.7*	*7.9*	*76.2*	*82.6*	*22.2*	*15.1*	*27.8*	*41.3*	*82.1*	*101.6*	*120.7*	*9.5*	*19.1*	*34.1*
211	2	6.8	NS407	2-1/4	6-1/8	5/16	3-1/2	3-5/8	1	11/16	1-9/32	1-3/4	3-11/16	4-7/16	5-3/8	7/16	7/8	1-3/8
	2-3/16	6.6																
	55mm	*3.0*		*57.2*	*155.6*	*7.9*	*88.9*	*92.1*	*25.4*	*17.5*	*32.5*	*44.5*	*93.7*	*112.7*	*136.5*	*11.1*	*22.2*	*34.9*
212	2-1/4	8.7	NS415	2-5/8	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1-9/32	1-5/8	4-7/64	4-15/16	5-3/4	7/16	1	1-5/8
	2-7/16	8.4																
	60mm	*4.9*		*66.7*	*169.9*	*7.9*	*95.3*	*98.4*	*25.4*	*17.5*	*32.5*	*41.3*	*104.4*	*125.4*	*146.1*	*11.1*	*25.4*	*41.3*

* + or -.015", + or -.38mm"

+.010, -.020" +.25mm, -.50mm"

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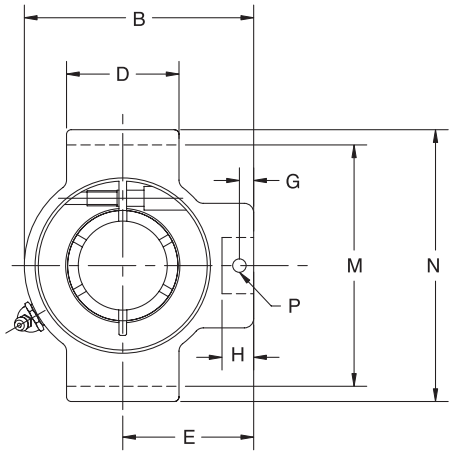
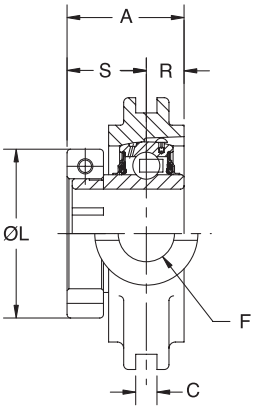
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DLM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS





Series	Shaft Size	Part No.	Description
206	1	**067726**	NSTU-DLM-100
207	1-3/16 1-1/4	@ @	NSTU-DLM-103 NSTU-DL-104
208	1-7/16 *35mm*	**056779** @	NSTU-DLM-107 *NSTU-DLM-35M*
209	1-1/2 1-5/8	@ @	NSTU-DLM-108 NSTU-DL-110L
210	1-11/16 1-3/4	**058081** @	NSTU-DLM-111 NSTU-DLM-112
211	1-15/16 2	@ @	NSTU-DLM-115 NSTU-DLM-200
212	2-3/16 2-1/4	@ @	NSTU-DLM-203 NSTU-DLM-204

@ Assembled to order

D-LOK Ball Bearings

DLM MEDIUM DUTY NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	L	M#	N	P Pin Dia.	R	S
206	1	2.6	NS308	1-9/16	4-5/16	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-7/32	3-1/2	4-1/8	5/16	5/8	15/16
207	1-3/16 1-1/4	2.8 2.8	NS308	1-3/4	4-1/2	1/4	2-1/2	2-11/16	3/4	1/2	15/16	1-3/8	2-11/16	3-1/2	4-1/8	5/16	11/16	1-1/16
208	1-7/16 *35mm*	4.7 *2.1*	NS400	2 *50.8*	5-3/8 *136.5*	5/16 *7.9*	3 *76.2*	3-1/4 *82.6*	7/8 *22.2*	11/16 *17.5*	1-5/32 *29.4*	1-5/8 *41.3*	2-47/64 *69.5*	4 *101.6*	4-3/4 *120.7*	3/8 *9.5*	3/4 *19.1*	1-1/4 *31.8*
209	1-1/2 1-5/8	4.9 4.8	NS400	2	5-7/16	5/16	3	3-1/4	7/8	21/32	1-5/32	1-5/8	2-63/64	4	4-3/4	3/8	3/4	1-1/4
210	1-11/16 1-3/4	4.9 4.8	NS400	2-3/32	5-1/2	5/16	3	3-1/4	7/8	23/32	1-7/32	1-5/8	3-15/64	4	4-3/4	3/8	3/4	1-11/32
211	1-15/16 2	6.8 6.8	NS407	2-1/4	6-1/8	5/16	3-1/2	3-5/8	1	19/32	1-3/32	1-3/4	3-11/16	4-7/16	5-3/8	7/16	7/8	1-3/8
212	2-3/16 2-1/4	8.7 8.7	NS415	2-5/8	6-11/16	5/16	3-3/4	3-7/8	1	11/16	1-9/32	1-5/8	4-7/64	4-15/16	5-3/4	7/16	1	1-5/8

* + or -.015', + or -.38mm" # +.010, -.020" +.25mm, -.50mm"

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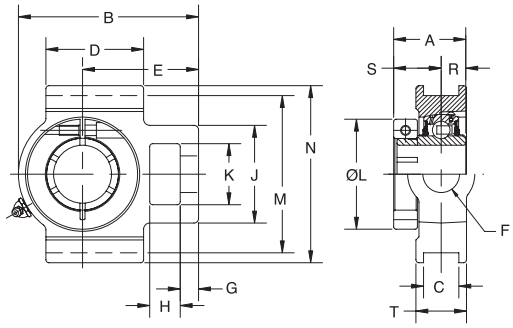
SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
204	3/4	@	WSTU-DL-012
	20mm	@	*WSTU-DL-20M*
205	7/8	@	WSTU-DL-014
	15/16	**064698**	WSTU-DL-015
	1	**056605**	WSTU-DL-100
	25mm	@	*WSTU-DL-25M*
206	1-1/8	@	WSTU-DL-102
	1-3/16	**057770**	WSTU-DL-103
	1-1/4	@	WSTU-DL-104S
	30mm	***049496***	*WSTU-DL-30M*
207	1-1/4	**056638**	WSTU-DL-104
	1-3/8	**062184**	WSTU-DL-106
	1-7/16	**053517**	WSTU-DL-107
	35mm	@	*WSTU-DL-35M*
208	1-1/2	**052546**	WSTU-DL-108
	40mm	@	*WSTU-DL-40M*
209	1-5/8	**059593**	WSTU-DL-110L
	1-11/16	@	WSTU-DL-111
	1-3/4	**068389**	WSTU-DL-112
	45mm	@	*WSTU-DL-45M*
210	1-15/16	**052722**	WSTU-DL-115
	2	**059704**	WSTU-DL-200
	50mm	@	*WSTU-DL-50M*
211	2	**058647**	WSTU-DLM-200
	2-3/16	**062306**	WSTU-DL-203
	55mm	@	*WSTU-DL-55M*
212	2-1/4	@	WSTU-DLM-204
	2-7/16	**049747**	WSTU-DL-207
	60mm	@	*WSTU-DL-60M*
214	2-1/2	**064300**	WSTU-DLM-208
	2-11/16	@	WSTU-DL-211
	70mm	@	*WSTU-DL-70M*
215	2-15/16	**064890**	WSTU-DL-215

@ Assembled to order

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M#	N	R	S	T
204	3/4	1.9	WS300	1-9/32	3-11/16	17/32	2	2-3/8	5/8	3/8	5/8	2	1-1/4	1-45/64	3	3-5/8	1/2	25/32	1-3/8
	20mm	*0.9*		*32.5*	*93.7*	*13.5*	*50.8*	*60.3*	*15.9*	*9.5*	*15.9*	*50.8*	*31.8*	*43.3*	*76.2*	*92.1*	*12.7*	*19.8*	*34.9*
205	7/8	2.2	WS300	1-7/16	3 -3/16	17/32	2	2-7/16	5/8	3/8	5/8	2	1-5/16	2	3	3-5/8	9/16	7/8	1-3/8
	15/16	2.1																	
	1	2.0																	
	25mm	*1.0*		*36.5*	*96.8*	*13.5*	*50.8*	*61.9*	*15.9*	*9.5*	*15.9*	*50.8*	*33.3*	*50.8*	*76.2*	*92.1*	*14.3*	*22.2*	*34.9*
206	1-1/8	2.7	WS308	1-9/16	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	2-7/32	3-1/2	4-1/8	5/8	15/16	1-5/8
	1-3/16	2.6																	
	1-1/4	2.5																	
	30mm	*1.3*		*39.7*	*111.1*	*13.5*	*57.2*	*69.9*	*19.1*	*9.5*	*15.9*	*55.6*	*36.5*	*56.4*	*88.9*	*104.8*	*15.9*	*23.8*	*41.3*
207	1-1/4	3.7	WS308	1-3/4	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-11/16	3-1/2	4-1/8	11/16	1-1/16	1-5/8
	1-3/8	3.6																	
	1-7/16	3.5																	
	35mm	*1.6*		*44.5*	*123.8*	*13.5*	*63.5*	*77.8*	*19.1*	*12.7*	*15.9*	*63.5*	*36.5*	*68.3*	*88.9*	*4.0*	*17.5*	*27.0*	*41.3*
208	1-1/2	6.1	WS400	2	5-11/16	11/16	3-1/4	3-1/2	1	5/8	3/4	3-1/4	1-15/16	2-47/64	4	0	3/4	1-1/4	1-15/16
	40mm	*2.8*		*50.8*	*144.5*	*17.5*	*82.6*	*88.9*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*69.5*	*101.6*	*114.3*	*19.1*	*31.8*	*49.2*
209	1-5/8	6.1	WS400	2	5-5/8	11/16	3-1/4	3-7/16	1	5/8	3/4	3-1/4	1-15/16	2-63/64	4	4-3/4	3/4	1-1/4	1-15/16
	1-11/16	6.0																	
	1-3/4	5.9																	
	45mm	*2.7*		*50.8*	*142.9*	*17.5*	*82.6*	*87.3*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*75.8*	*101.6*	*120.7*	*19.1*	*31.8*	*49.2*
210	1-15/16	6.4		2-3/32	5-13/16	11/16	3-3/8	3-9/16	1	5/8	3/4	3-1/4	1-15/16	3-15/64	4	4-3/4	3/4	1-11/32	1-15/16
	2	6.3	WS400																
	50mm	*2.9*		*53.2*	*147.6*	*17.5*	*85.7*	*90.5*	*25.4*	*15.9*	*19.1*	*82.6*	*49.2*	*82.1*	*101.6*	*120.7*	*19.1*	*34.1*	*49.2*
211	2	10.1		2-1/4	6-11/16	1-1/16	3-3/4	4-3/16	1-1/4	3/4	1	4	2-1/2	3-11/16	5-1/8	5-7/8	7/8	1-3/8	2-1/2
	2-3/16	10.0	WS502																
	55mm	*4.5*		*57.2*	*169.9*	*27.0*	*95.3*	*106.4*	*31.8*	*19.1*	*25.4*	*101.6*	*63.5*	*93.7*	*130.2*	*149.2*	*22.2*	*34.9*	*63.5*
212	2-1/4	11.2		2-5/8	7-1/2	1-1/16	4	4-11/16	1-1/4	3/4	1-1/4	4	2-1/2	4-7/64	5-1/8	5-7/8	1	1-5/8	2-1/2
	2-7/16	10.8	WS502																
	60mm	*4.9*		*66.7*	*190.5*	*27.0*	*101.6*	*119.1*	*31.8*	*19.1*	*31.8*	*101.6*	*63.5*	*104.4*	*130.2*	*149.2*	*25.4*	*41.3*	*63.5*
214	2-1/2	18.0		2-13/16	8-9/16	1-1/16	4-3/4	5-3/8	1-1/2	13/16	1-1/4	4-3/8	2-3/4	4-3/8	5-15/16	6-9/16	1-1/16	1-3/4	2-3/4
	2-11/16	17.8	WS515																
	70mm	*8.2*		*71.4*	*217.5*	*27.0*	*120.7*	*136.5*	*38.1*	*20.6*	*31.8*	*111.1*	*69.9*	*111.1*	*150.8*	*166.7*	*27.0*	*44.5*	*69.9*
215	2-15/16	18.9	WS515	2-21/64	9-1/8	1-1/16	4-3/4	5-1/2	1-1/2	13/16	1-1/4	4-3/8	2-3/4	4-11/16	5-15/16	6-11/16	53/64	1-1/2	2-3/4

*+ or -.015", + or -.38mm"

*+ or -.015", + or -.38mm"

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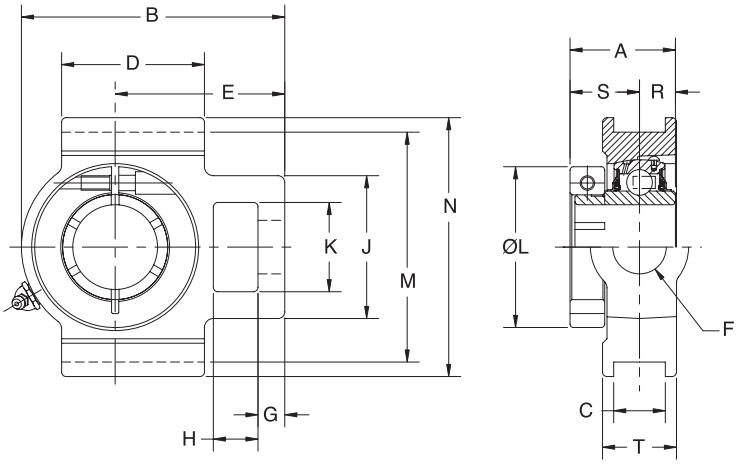
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DLM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS



Series	Shaft Size	Standard	
		Part No.	Description
206	1	**049696**	WSTU-DLM-100
207	1-3/16 1-1/4	**068232** **056638**	WSTU-DLM-103 WSTU-DL-104
208	1-7/16 *35mm*	**062702** ***054390***	WSTU-DLM-107 *WSTU-DLM-35M*
209	1-1/2 1-5/8	@ @	WSTU-DLM-108 WSTU-DL-110L
210	1-11/16 1-3/4	**054411** @	WSTU-DLM-111 WSTU-DLM-112
211	1-15/16 2	**057266** **058347**	WSTU-DLM-115 WSTU-DLM-200
212	2-3/16 2-1/4	@ **062881**	WSTU-DLM-203 WSTU-DLM-204
214	2-7/16 2-1/2 *65mm*	**062285** **064300** @	WSTU-DLM-207 WSTU-DLM-208 *WSTU-DLM-65M*
215	2-11/16	@	WSTU-DLM-211
216	2-15/16	**059758**	WSTU-DLM-215

@ Assembled to order

D-LOK Ball Bearings

DLM MEDIUM DUTY WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs *kg*	Take-Up Frame Size	A	B	C*	D	E	F Screw Dia.	G	H	J	K	L	M#	N	R	S	T
206	1	4.1	WS308	1-9/16	4-3/8	17/32	2-1/4	2-3/4	3/4	3/8	5/8	2-3/16	1-7/16	2-7/32	3-1/2	4-1/8	5/8	15/16	1-5/8
207	1-3/16 1-1/4	5.1 3.7	WS308	1-3/4	4-7/8	17/32	2-1/2	3-1/16	3/4	1/2	5/8	2-1/2	1-7/16	2-11/16	3-1/2	4-1/8	11/16	1-1/16	1-5/8
208	1-7/16 *35mm*	7.3 *3.5*	WS400	2 *50.8*	5-11/16 *144.5*	11/16 *17.5*	3-1/4 *82.6*	3-1/2 *88.9*	1 *25.4*	5/8 *15.9*	3/4 *19.1*	3-1/4 *82.6*	1-15/16 *49.2*	2-47/64 *69.5*	4 *101.6*	0 *114.3*	3/4 *19.1*	1-1/4 *31.8*	1-15/16 *49.2*
209	1-1/2 1-5/8	7.2 6.1	WS400	2	5-5/8	11/16	3-1/4	3-7/16	1	5/8	3/4	3-1/4	1-15/16	2-63/64	4	4-3/4	3/4	1-1/4	1-15/16
210	1-11/16 1-3/4	7.7 7.6	WS400	2-3/32	5-13/16	11/16	3-3/8	3-9/16	1	5/8	3/4	3-1/4	1-15/16	3-15/64	4	4-3/4	3/4	1-11/32	1-15/16
211	1-15/16 2	11.2 11.3	WS502	2-1/4	6-11/16	1-1/16	3-3/4	4-3/16	1-1/4	3/4	1	4	2-1/2	3-11/16	5-1/8	5-7/8	7/8	1-3/8	2-1/2
212	2-3/16 2-1/4	12.6 12.4	WS502	2-5/8	7-1/2	1-1/16	4	4-11/16	1-1/4	3/4	1-1/4	4	2-1/2	4-7/64	5-1/8	5-7/8	1	1-5/8	2-1/2
214	2-7/16 2-1/2 *65mm*	19.4 19.2 *9.3*	WS515	2-13/16 *71.4*	8-9/16 *217.5*	1-1/16 *27.0*	4-3/4 *120.7*	5-3/8 *136.5*	1-1/2 *38.1*	13/16 *20.6*	1-1/4 *31.8*	4-3/8 *111.1*	2-3/4 *69.9*	4-3/8 *111.1*	5-15/16 *150.8*	6-9/16 *166.7*	1-1/16 *27.0*	1-3/4 *44.5*	2-3/4 *69.9*
215	2-11/16	20.2	WS515	2-21/64	9-1/8	1-1/16	4-3/4	5-1/2	1-1/2	13/16	1-1/4	4-3/8	2-3/4	4-11/16	5-15/16	6-11/16	53/64	1-1/2	2-3/4
216	2-15/16	22.9	WS608	2-21/32	9-1/8	1-1/16	4-3/4	5-1/2	1-1/2	13/16	1-1/4	4-3/8	2-3/4	5-1/2	6-1/2	7-1/4	59/64	1-47/64	2-3/4

*+ or -.015", + or -.38mm

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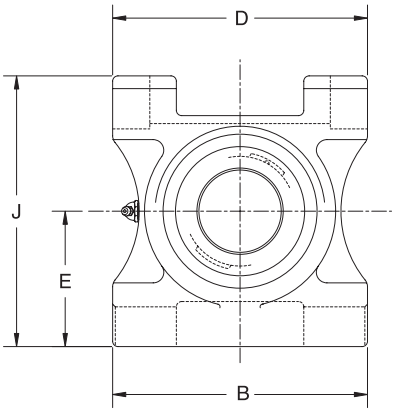
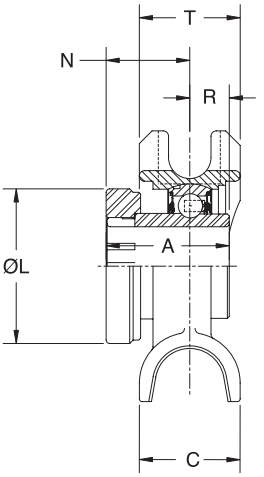
SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS





Series	Shaft Size	Part No.	Description
210	1-15/16 2	@ @	TP-DL-115 TP-DL-200
211	2 2-3/16	@ @	TP-DLM-200 TP-DL-203
212	2-1/4 2-7/16	@ @	TP-DLM-204 TP-DL-207
214	2-1/2 2-11/16	@ @	TP-DLM-208 TP-DL-211
215	2-15/16	**049415**	TP-DL-215

@ Assembled to order

D-LOK Ball Bearings

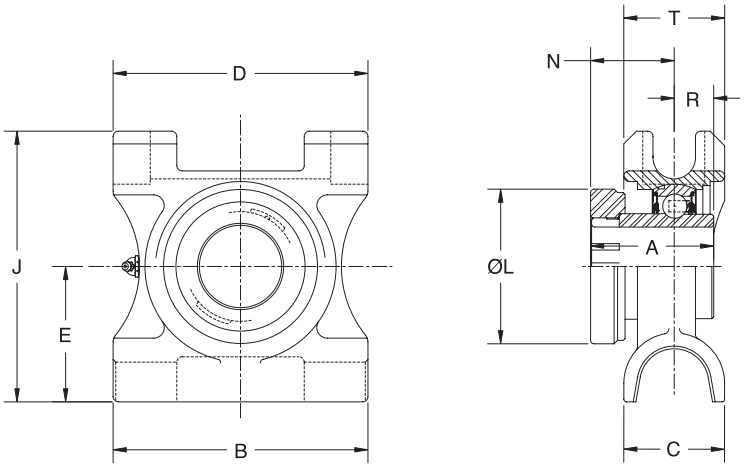
DL NORMAL DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C	D	E	J	L	N	R	T
210	1-15/16 2	11.4 11.2	TP10	2-3/32	6-1/2	2-3/8	6	3-1/4	6-3/8	3-15/64	1-11/32	3/4	2-3/8
211	2 2-3/16	13.7 13.2	TP20	2-1/4	7	2-1/2	6-3/4	3-3/8	6-7/8	3-11/16	1-3/8	7/8	2-3/8
212	2-1/4 2-7/16	17.2 17.1	TP30	2-5/8	7-1/2	2-3/4	7	3-1/2	7-7/16	4-7/64	1-5/8	1	2-3/4
214	2-1/2 2-11/16	22.5 22.3	TP40	2-13/16	8-1/2	2-1/2	8	4	8-5/16	4-3/8	1-3/4	1-1/16	2-3/4
215	2-15/16	22.4	TP40	2-21/64	8-1/2	2-1/2	8	4	8-5/16	4-11/16	1-1/2	53/64	2-3/4

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DLM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS



Series	Shaft Size	Part No.	Description
210	1-11/16	@	TP-DLM-111
	1-3/4	@	TP-DLM-112
211	1-15/16	@	TP-DLM-115
	2	@	TP-DLM-200
212	2-3/16	@	TP-DLM-203
	2-1/4	**062880**	TP-DLM-204
214	2-7/16	**049813**	TP-DLM-207
	2-1/2	@	TB-DLM-208
215	2-11/16	@	TP-DLM-211
216	2-15/16	**049855**	TP-DLM-215
218	3-7/16	@	TP-DLM-307

@ Assembled to order

D-LOK Ball Bearings

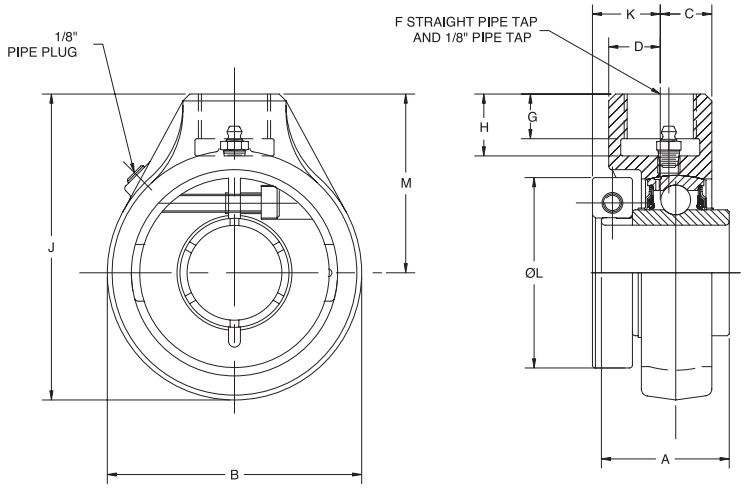
DLM MEDIUM DUTY TOP ANGLE TAKE-UP BEARINGS

Series	Shaft Size	Weight lbs	Take-Up Frame Size	A	B	C	D	E	J	L	N	R	T
210	1-11/16 1-3/4	11.6 11.2	TP10	2-3/32	6-1/2	2-3/8	6	3-1/4	6-3/8	3-15/64	1-11/32	3/4	2-3/8
211	1-15/16 2	14.0 13.7	TP20	2-1/4	7	2-1/2	6-3/4	3-3/8	6-7/8	3-11/16	1-3/8	7/8	2-3/8
212	2-3/16 2-1/4	17.4 17.2	TP30	2-5/8	7-1/2	2-3/4	7	3-1/2	7-7/16	4-7/64	1-5/8	1	2-3/4
214	2-7/16 2-1/2	22.9 22.5	TP40	2-13/16	8-1/2	2-1/2	8	4	8-5/16	4-3/8	1-3/4	1-1/16	2-3/4
215	2-11/16	26.2	TP40	2-21/64	8-1/2	2-1/2	8	4	8-5/16	4-11/16	1-1/2	53/64	2-3/4
216	2-15/16	31.0	TP50	2-31/64	9-1/2	2-3/4	7	4-1/2	9-5/8	5	1-41/64	27/32	3-1/8
218	3-7/16	41.4	TP50	2-21/32	11	3-1/8	10-1/2	5-1/2	11	5-1/2	1-47/64	59/64	3-1/8

SELECTION/DIMENSIONS

D-LOK Ball Bearings

DL NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS



Series	Shaft Size	Part No.	Description
206	1	@	SCHB-DL-100
	1-1/8	@	SCHB-DL-102
207	1-3/16	@	SCHB-DL-103
	1-1/4	@	SCHB-DL-104
	1-3/8	@	SCHB-DL-106
208	1-7/16	@	SCHB-DL-107
	1-1/2	**068608**	SCHB-DL-108
210	1-11/16	@	SCHB-DL-111
	1-3/4	@	SCHB-DL-112
	1-15/16	**062443**	SCHB-DL-115
	2	@	SCHB-DL-200
212	2-3/16	@	SCHB-DL-203
	2-1/4	@	SCHB-DL-204
	2-7/16	**049781**	SCHB-DL-207
216	2-15/16	@	SCHB-DL-215
218	3-7/16	@	SCHB-DL-307

@ Assembled to order

D-LOK Ball Bearings

DL NORMAL DUTY SCREW CONVEYOR HANGER BEARINGS

Series	Shaft Size	Weight lbs.	A	B	C	D	F* (NPSM)	G	H	J	K	L	M
206	1 1-1/8	3.0 2.7	1-9/16	3-1/8	53/64	47/64	3/4 - 14	3/4	15/16	4-1/16	57/64	2-7/32	2-1/2
207	1-3/16 1-1/4 1-3/8	3.4 3.3 3.1	1-3/4	3-7/8	53/64	53/64	3/4 - 14	5/8	15/16	4-11/16	1	2-11/16	2-3/4
208	1-7/16 1-1/2	4.0 3.6	2	4	53/64	53/64	3/4 - 14	5/8	15/16	4-7/8	1-5/64	2-47/64	2-7/8
210	1-11/16 1-3/4 1-15/16 2	5.4 5.3 5.2 5.0	2-3/32	4-5/8	15/16	7/8	1 - 11-1/2	13/16	1-1/8	5-9/16	1-1/16	3-15/64	3-1/4
212	2-3/16 2-1/4 2-7/16	9.6 9.4 9.2	2-5/8	5-1/2	1-5/32	1-5/32	1-1/4 - 11-1/2	1-1/8	1-7/16	6-3/4	1-9/32	4-7/64	4
216	2-15/16	16.9	2-31/64	7	1-23/64	1-13/32	1-1/2 - 11-1/2	1-1/4	1-11/16	8-3/8	1-5/16	5	4-7/8
218	3-7/16	23.0	2-21/32	8-5/16	1-3/4	1-3/4	2 - 11-1/2	1-3/4	2-3/16	10-5/32	1-17/32	5-1/2	6

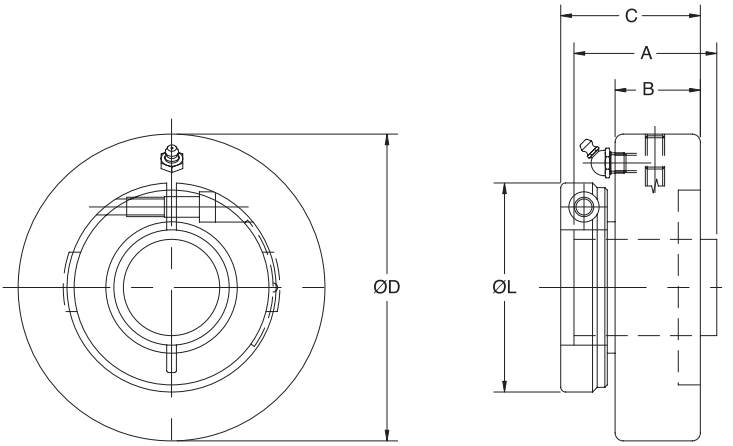
Note: Sizes 1, 1-3/16, 1-7/16, 1-11/16, 1-3/4, 2-3/16, 2-1/4, 2-15/16, 3, 3-7/16, & 3-1/2 use DLM inserts

* Use straight thread for the pipe. Bearing can be secured with a heavy locknut.

Pipe plug and lube fitting are factory installed and may be reversed from position shown.

SELECTION/DIMENSIONS

D-LOK Ball Bearings
DL NORMAL DUTY CYLINDRICAL UNITS



Series	Shaft Size	Part No.	Description
205	7/8	@	CYL-DL-014*
	15/16	@	CYL-DL-015*
	1	**049430**	CYL-DL-100*
206	1-1/8	**059754**	CYL-DL-102
	1-3/16	@	CYL-DL-103
	1-1/4	@	CYL-DL-104S
	30mm	***056468***	*CYL-DL-30M*
207	1-1/4	@	CYL-DL-104
	1-3/8	@	CYL-DL-106
	1-7/16	**053045**	CYL-DL-107

* 45 degree lube fitting is used in place of standard

D-LOK Ball Bearings
DL NORMAL DUTY CYLINDRICAL UNITS

Series	Shaft Size	Weight lbs.	A	B	C	D*	L
205	7/8 15/16 1	1.4 1.3 1.2	1-7/16	27/32	1-11/64	3-1/8	2
206	1-1/8 1-3/16 1-1/4 *30mm*	2.1 2.0 1.9 *6.5*	1-9/16 *39.7*	15/16 *23.8*	1-11/32 *34.1*	3-1/2 *88.9*	2-7/32 *56.4*
207	1-1/4 1-3/8 1-7/16	2.8 2.6 2.5	1-3/4	1-1/16	1-9/16	3-7/8	2-11/16

* +.000 -.002

To prevent the housing from rotating in the machine frame, tap a hole on the joint between the housing O.D. and the machine frame bore and lock with a setscrew

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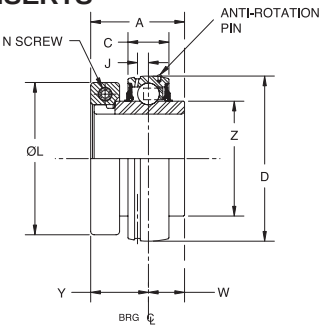
SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DL NORMAL DUTY BEARING INSERTS



Series	Shaft Size	Standard Insert		Corrosion Resistant Insert	
		Part No.	Description	Part No.	Description
204	3/4	**128646**	INS-DL-012	**126685**	INS-DL-012-CR
	20mm	***126629***	*INS-DL-20M*	***126693***	*INS-DL-20M-CR*
205	7/8	**128684**	INS-DL-014	@	INS-DL-014-CR*
	15/16	**128647**	INS-DL-015	@	INS-DL-015-CR*
	1	**128648**	INS-DL-100	**126686**	INS-DL-100-CR
	25mm	***126630***	*INS-DL-25M*	***126694***	*INS-DL-25M-CR*
206	1-1/8	**128649**	INS-DL-102	**059869**	INS-DL-102-CR*
	1-3/16	**128650**	INS-DL-103	**126687**	INS-DL-103-CR
	1-1/4	**128651**	INS-DL-104S	**126688**	INS-DL-104S-CR
	30mm	***126631***	*INS-DL-30M*	***126695***	*INS-DL-30M-CR*
207	1-1/4	**128652**	INS-DL-104	**126689**	INS-DL-104-CR
	1-3/8	**128653**	INS-DL-106	@	INS-DL-106-CR*
	1-7/16	**128654**	INS-DL-107	**052093**	INS-DL-107-CR
	35mm	***126632***	*INS-DL-35M*	***126696***	*INS-DL-35M-CR*
208	1-1/2	**128655**	INS-DL-108	**126690**	INS-DL-108-CR
	40mm	***126633***	*INS-DL-40M*	***126697***	*INS-DL-40M-CR*
209	1-5/8	**128656**	INS-DL-110L	@	INS-DL-110L-CR*
	1-11/16	**128657**	INS-DL-111	**126691**	INS-DL-111-CR
	1-3/4	**128658**	INS-DL-112	@	INS-DL-112-CR*
	45mm	***126634***	*INS-DL-45M*	***126698***	*INS-DL-45M-CR*
210	1-15/16	**128659**	INS-DL-115	**126692**	INS-DL-115-CR
	2	**128660**	INS-DL-200	**053986**	INS-DL-200-CR*
	50mm	***126635***	*INS-DL-50M*	***126699***	*INS-DL-50M-CR*
211	2	**128661**	INS-DLM-200	@	INS-DLM-200-CR*
	2-3/16	**128663**	INS-DL-203	@	INS-DL-203-CR*
	55mm	***126636***	*INS-DL-55M*	*@*	*INS-DL-55M-CR**
212	2-1/4	**128664**	INS-DLM-204	@	INS-DLM-204-CR*
	2-7/16	**128666**	INS-DL-207	@	INS-DL-207-CR*
	60mm	***126637***	*INS-DL-60M*	*@*	*INS-DL-60M-CR**
214	2-1/2	**128677**	INS-DLM-208	@	INS-DLM-208-CR*
	2-11/16	**128667**	INS-DL-211	@	INS-DL-211-CR*
	70mm	***126638***	*INS-DL-70M*	*@*	*INS-DL-70M-CR**
215	2-15/16	@	INS-DL-215	@	INS-DL-215-CR*

@ Assembled to order

* 20 piece minimum order

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D-LOK Ball Bearings
DL NORMAL DUTY BEARING INSERTS

Series	Shaft Size	Weight lbs. *kg*	A	C	D	J	L	N Screw (UNF)	W	Y	Z
204	3/4 *20mm*	0.6 *0.3*	1-9/32 *32.5*	0.5906 *15.0*	1.8504 *47.0*	0.152 *3.9*	1-45/64 *43.3*	No. 8 *M4*	1/2 *12.7*	25/32 *19.8*	1-1/8 *28.6*
205	7/8 15/16 1 *25mm*	0.8 0.8 0.8 *0.4*	1-7/16 *36.5*	0.5906 *15.0*	2.0472 *52.0*	0.152 *3.9*	2 *50.8*	No. 10 *M5*	9/16 *14.3*	7/8 *22.2*	1-21/64 *33.7*
206	1-1/8 1-3/16 1-1/4 *30mm*	1.2 1.2 1.1 *0.6*	1-9/16 *39.7*	0.7087 *18.0*	2.4409 *62.0*	0.190 *4.8*	2-7/32 *56.4*	No. 10 *M5*	5/8 *15.9*	15/16 *23.8*	1-37/64 *40.1*
207	1-1/4 1-3/8 1-7/16 *35mm*	1.8 1.8 1.7 *0.8*	1-3/4 *44.5*	0.7480 *19.0*	2.8346 *72.0*	0.202 *5.1*	2-11/16 *68.3*	1/4 *M6*	11/16 *17.5*	1-1/16 *27.0*	1-27/32 *46.8*
208	1-1/2 *40mm*	2.2 *1.0*	2 *50.8*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-47/64 *69.5*	1/4 *M6*	3/4 *19.1*	1-1/4 *31.8*	2-3/64 *52.0*
209	1-5/8 1-11/16 1-3/4 *45mm*	2.5 2.5 2.5 *1.2*	2 *50.8*	0.8661 *22.2*	3.3465 *85.8*	0.248 *6.4*	2-63/64 *75.8*	1/4 *M6*	3/4 *19.1*	1-1/4 *31.8*	2-7/32 *56.9*
210	1-15/16 2 *50mm*	3.0 3.0 *1.4*	2-3/32 *53.2*	0.8661 *22.0*	3.5433 *90.0*	0.248 *6.3*	3-15/64 *82.1*	1/4 *M6*	3/4 *19.1*	1-11/32 *34.1*	2-7/16 *61.9*
211	2 2-3/16 *55mm*	3.6 3.4 *1.6*	2-1/4 *57.2*	0.9449 *24.0*	3.9370 *100.0*	0.267 *6.8*	3-11/16 *93.7*	5/16 *M8*	7/8 *22.2*	1-3/8 *34.9*	2-23/32 *69.1*
212	2-1/4 2-7/16 *60mm*	4.8 4.8 *2.2*	2-5/8 *66.7*	1.0240 *26.0*	4.3307 *110.0*	0.250 *6.4*	4-7/64 *104.4*	5/16 *M8*	1 *25.4*	1-5/8 *41.3*	2-31/32 *75.4*
214	2-1/2 2-11/16 *70mm*	5.4 5.0 *2.5*	2-13/16 *71.4*	1.1020 *28.0*	4.9213 *125.0*	0.265 *6.7*	4-3/8 *111.1*	5/16 *M8*	1-1/16 *27.0*	1-3/4 *44.5*	3-5/16 *84.1*
215	2-15/16	5.9	2-21/64	1.4200	5.1181	0.265	4-11/16	5/16	53/64	1-1/2	3-5/8

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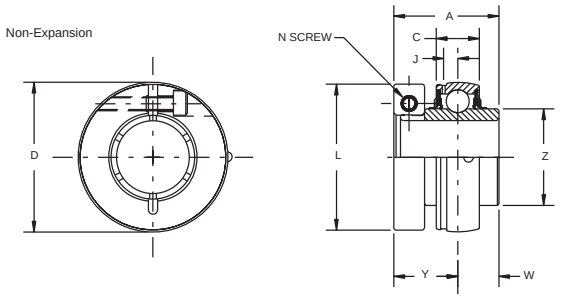
SELECTION/DIMENSIONS

D-LOK Ball Bearings

DLH & DLH-E NON-EXPANSION & EXPANSION NORMAL DUTY BEARINGS INSERTS



Series	Shaft Size	Expansion Insert		Non-Expansion Insert	
		Part No.	Description	Part No.	Description
206	1	@	INS-DLMH-100-E	@	INS-DLMH-100
	1-1/8	@	INS-DLH-102-E	@	INS-DLH-102
	1-3/16	**126485**	INS-DLH-103-E	**126480**	INS-DLH-103
	1-1/4	@	INS-DLH-104S-E	@	INS-DLH-104S
207	1-3/16	@	INS-DLMH-103-E	@	INS-DLMH-103
	1-1/4	@	INS-DLH-104-E	@	INS-DLH-104
	1-3/8	@	INS-DLH-106-E	@	INS-DLH-106
	1-7/16	**126486**	INS-DLH-107-E	**126481**	INS-DLH-107
210	1-11/16	@	INS-DLMH-111-E	@	INS-DLMH-111
	1-3/4	@	INS-DLMH-112-E	@	INS-DLMH-112
	1-15/16	**126487**	INS-DLH-115-E	**126482**	INS-DLH-115
	2	@	INS-DLH-200-E	@	INS-DLH-200
211	1-15/16	@	INS-DLMH-115-E	@	INS-DLMH-115
	2	@	INS-DLMH-200-E	@	INS-DLMH-200
	2-3/16	**126488**	INS-DLH-203-E	**126483**	INS-DLH-203
212	2-3/16	@	INS-DLMH-203-E	@	INS-DLMH-203
	2-1/4	@	INS-DLMH-204-E	@	INS-DLMH-204
	2-7/16	**126489**	INS-DLH-207-E	**126484**	INS-DLH-207

@ Assembled to order

FEATURES/BENEFITS PAGE B5-2	NOMENCLATURE PAGE B5-4	SELECTION/DIMENSIONS PAGE B5-8	RELATED PRODUCTS PAGE B5-67

D-LOK Ball Bearings

DLH & DLH-E NON-EXPANSION & EXPANSION NORMAL DUTY BEARINGS INSERTS

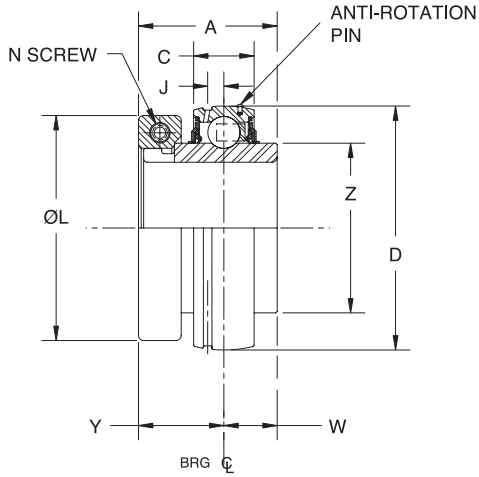
Series	Shaft Size	Weight Expansion lbs.	Weight Non-Exp. lbs.	A	B	C	D	E	J	L	N Screw (UNF)	W	Y	Z
206	1 1-1/8 1-3/16 1-1/4	1.9	1.2	1-9/16	2.875	0.7087	2.4409	15/16	0.190	2-7/32	No. 10	5/8	15/16	1-37/64
207	1-3/16 1-1/4 1-3/8 1-7/16	2.6	1.8	1-3/4	3.272	0.7480	2.8346	1	0.202	2-11/16	1/4	11/16	1-1/16	1-27/32
210	1-11/16 1-3/4 1-15/16 2	4.5	3.0	2-3/32	4.000	0.8661	3.5433	1-13/32	0.248	3-15/64	1/4	3/4	1-11/32	2-7/16
211	1-15/16 2 2-3/16	5.3	3.4	2-1/4	4.475	0.9449	3.9370	1-7/16	0.267	3-11/16	5/16	7/8	1-3/8	2-23/32
212	2-3/16 2-1/4 2-7/16	7.4	4.8	2-5/8	5.035	1.0240	4.3307	1-5/8	0.250	4-7/64	5/16	1	1-5/8	2-31/32

SELECTION/DIMENSIONS

DODGE®

D-LOK Ball Bearings

DLM NORMAL DUTY BEARINGS INSERTS



Series	Shaft Size	Standard Insert	
		Part No.	Description
206	1	**128668**	INS-DLM-100
207	1-3/16	**128669**	INS-DLM-103
	1-1/4	**128652**	INS-DL-104
208	1-7/16	**128670**	INS-DLM-107
	1-1/2 *	**128665**	INS-DL-108
	35mm	***126644***	*INS-DLM-35M*
209	1-1/2	**128671**	INS-DLM-108
	1-5/8	**128656**	INS-DL-110L
210	1-11/16	**128672**	INS-DLM-111
	1-3/4	**128673**	INS-DLM-112
211	1-15/16	**128674**	INS-DLM-115
	2	**128661**	INS-DLM-200
212	2-3/16	**128675**	INS-DLM-203
	2-1/4	**128664**	INS-DLM-204
214	2-7/16	**128676**	INS-DLM-207
	2-1/2	**128677**	INS-DLM-208
	65mm	***126645***	*INS-DLM-65M*
215	2.6875	**065551**	INS-DLM-211
216	2-15/16	**@**	INS-DLM-215
218	3-7/16	**064535**	INS-DLM-307

@ Assembled to order

* Piloted flange only

D-LOK Ball Bearings
DLM NORMAL DUTY BEARINGS INSERTS

Series	Shaft Size	Weight lbs. kg	A	C	D	J	L	N Screw (UNF)	W	Y	Z
206	1	1.8	1-9/16	0.7087	2.4409	0.190	2-7/32	No. 10	5/8	15/16	1-37/64
207	1-3/16 1-1/4	2.2 1.7	1-3/4	0.7480	2.8346	0.202	2-11/16	1/4	11/16	1-1/16	1-27/32
208	1-7/16 1-1/2 *35mm*	2.5 2.2 *1.0*	2 *50.8*	0.8661 *22.0*	3.1496 *80.0*	0.224 *5.7*	2-47/64 *69.5*	1/4 *M6*	3/4 *19.1*	1-1/4 *31.8*	2-3/64 *52.0*
209	1-1/2 1-5/8	3.0 2.5	2	0.8661	3.3465	0.248	2-63/64	1/4	3/4	1-1/4	2-7/32
210	1-11/16 1-3/4	3.0 3.0	2-3/32	0.8661	3.5433	0.248	3-15/64	1/4	3/4	1-11/32	2-7/16
211	1-15/16 2	3.4 3.3	2-1/4	0.9449	3.9370	0.267	3-11/16	5/16	7/8	1-3/8	2-23/32
212	2-3/16 2-1/4	4.9 4.8	2-5/8	1.0240	4.3307	0.250	4-7/64	5/16	1	1-5/8	2-31/32
214	2-7/16 2-1/2 *65mm*	5.5 5.4 *2.5*	2-13/16 *71.4*	1.1020 *28.0*	4.9213 *125.0*	0.265 *6.7*	4-3/8 *111.1*	5/16 *M8*	1-1/16 *27.0*	1-3/4 *44.5*	3-5/16 *84.1*
215	2-11/16	5.9	2-21/64	1.4200	5.1181	0.265	4-11/16	5/16	53/64	1-1/2	3-5/8
216	2-15/16	6.9	2-31/64	1.1420	5.5118	0.285	5	3/8	27/32	1-41/64	3-53/64
218	3-7/16	8.8	2-21/32	1.3400	6.2992	0.300	5-1/2	3/8	59/64	1-47/64	4-23/64

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MODIFICATIONS/ ACCESSORIES

D-LOK Ball Bearings

LUBRICANTS
DODGE ball bearings are factory lubricated with a lithium complex based lubricant. For applications where extreme ambient temperatures or speeds are anticipated or environmental considerations require a different lubricant, DODGE has a variety of lubricants available. Special lubricant options usually require set-up charges and premiums.

SEALS
The PROGUARD PLUS seal is a highly effective positive contact land riding seal with flingers pressed on to each side of the inner ring offering added protection from high pressure wash down or extreme contamination. For high speeds or where seal drag would be an impediment, a labyrinth seal is available.

HIGH TEMPERATURE
DODGE high temperature bearings are designed to operate in temperatures from 225ºF (108ºC) to 400ºF (205ºC). The bearings have adjusted internal clearances, labyrinth seals, retainers, and lubricants to meet the temperature needs of the application. To insure proper replacement, the bearing is identified by a six digit part number etched on a stainless steel nameplate riveted to the housing. The part number identifies the specific feature of the bearing. High temperature bearings are factory assembled to order and are available at extra cost. Consult Dodge Engineering for application assistance at (864) 284-5700 or fax (864) 281-2317.

AIR HANDLING
Industrial fans and blowers generally operate at high speeds with bearing requirements of long life and quiet operation. Dodge stocks DL and DLM air handling pillow blocks that are specifically designed to meet the requirements of the Air Handling Industry. Other sizes and housing configurations can be supplied on a made/assembled to order basis. These bearings are 100% inspected for quiet operation and are recommended for fan and blower operations.

COATINGS
For extra corrosion resistance, a variety of housings are available. Including stainless steel or polymer housed. These conform to U.S.D.A. and F.D.A. requirements. DL and DLM inserts can be supplied with a corrosion resistant finish to the inner and outer rings, stainless steel balls and set-screws, nickel plated flingers as well as F.D.A. lubricant.

OTHER MODIFICATIONS
For applications requiring modifications not listed, we encourage you to contact our Customer Order Engineering Department at (864) 284-5700 or fax (864) 281-2317.

DODGE Ball Bearing End Covers*

- Fits all styles of DODGE cast iron housed ball bearings: Pillow Blocks, 2 and 4 Bolt Flanges, and Take-Up bearings
- Injected molded, impact resistant, OSHA safety yellow end covers meet requirements for exposed rotating shafts
- Stainless steel “C” Washer for gripping power
- No modification or machining of existing housings required
- Concentric knockout grooves on inside of end cover for thru-shaft
- DODGE six digit part number and description embossed inside
- Operating temperature to 250ºF
- For non relubricable/sealed for life applications (-NL), part number 430020 hex head plug is available

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DODGE Ball Bearing End Covers*

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Nomenclature

EC - **205** - **P**

- EC: End Cover
- 205: ISO & ABMA ring size
- P: “Blank” fits all housing styles as noted; P - Pillow Blocks, including tapped base; X - all other housing styles as noted

Series	Pillow Blocks Std, U, B	Tapped Base PB	2 Bolt Flange	Flanged Bracket	4 Bolt Flange	Piloted Flange (FC)	Narrow Slot Take-Up	Wide Slot Take-Up
203	X		X		X			
204	X	X	X	X	X		X	X
205	X	X	X	X	X		X	X
206	X	X	X	X	X	@	X	X
207	X	X	X	X	X	@	X	X
208	X	X	X		X	@	X	X
209	X	X	X		X	@	X	X
210	X	X	X	X	X	@	X	X
211	X	X	X		X	NA	X	X
212	X		X		X	NA	X	X
214	X				X	NA		X
215	X				X			X
216	X				X	X		X
218	X				X	X		

* = Will not fit LF, LFT, SCHB, HNGR & CLY

NA = Will not fit

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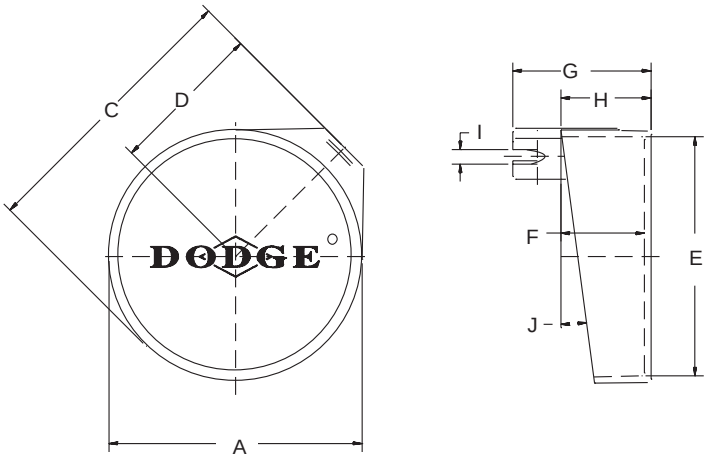
RELATED PRODUCTS

D-LOK Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS



Series	Shaft Size*		Part Number	Description
	DL	DLM, DLH		
203	1/2 & 5/8 *17mm*	- - - - -	**128200**	EC-203-P
204	1/2 - 3/4 *20mm*	- - - - -	**128202**	EC-204-P
205	7/8 - 1 *25mm*	- - - - -	**128204**	EC-205-P
206	1-1/16 - 1-1/4 *30mm*	- - - - - *25mm*	**128206**	EC-206-P
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	**128208**	EC-207-P
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	**128210**	EC-208-P
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	**128212**	EC-209-P
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	**128214**	EC-210-P
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128216**	EC-211-P
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	**128218**	EC-212-P

* NOTE: DLH uses the next larger end cover. E.G. A P2B-DLH-103 would use a EC-207-P

D-LOK Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS

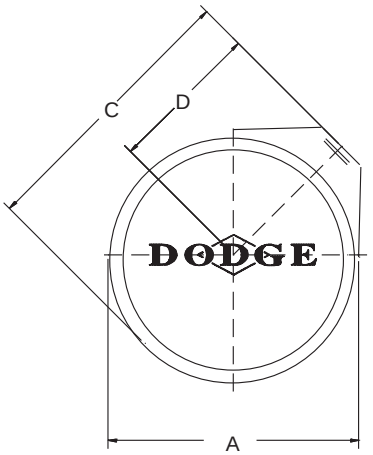
Series	Shaft Size		Weight lbs	A	C	D	E	F	G	H	I	J
	DL	DLM, DLH	*gm*									
203	1/2 & 5/8 *17mm*	- - - - -	.02 *9*	1-25/32 *45.2*	2-7/64 *53.6*	1-3/32 *27.7*	1-41/64 *41.7*	49/64 *19.6*	1-29/64 *37.1*	29/32 *22.9*	1/4 *6.4*	9
204	1/2 - 3/4 *20mm*	- - - - -	.03 *14*	2-3/64 *52.0*	2-37/64 *65.3*	1-19/64 *33.0*	1-55/64 *47.2*	1-1/64 *25.7*	1-49/64 *45.0*	1-5/32 *29.5*	5/16 *7.9*	11
205	7/8 - 1 *25mm*	- - - - -	.05 *23*	2-3/8 *60.2*	2-13/16 *71.4*	1-3/16 *35.0*	2-5/32 *54.9*	1-1/16 *26.9*	1-7/8 *47.8*	1-7/32 *31.0*	11/32 *8.6*	9
206	1-1/16 - 1-1/4 *30mm*	- - - - - *25mm*	.07 *34*	2-47/64 *69.3*	3-21/64 *84.3*	1-45/64 *43.2*	2-1/2 *63.5*	1-15/64 *31.5*	2-5/32 *54.9*	1-13/32 *35.6*	23/64 *8.9*	9
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	.11 *48*	3-1/4 *82.6*	3-51/64 *96.3*	1-29/32 *48.5*	3-1/64 *76.7*	1-5/16 *33.3*	2-11/32 *59.4*	1-31/64 *37.6*	3/8 *9.4*	7 30
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	.13 *61*	3-3/8 *85.9*	4.0 *101.6*	2-1/16 *52.3*	3-7/64 *79.0*	1-19/64 *33.0*	2-13/32 *61.0*	1-1/2 *38.1*	27/64 *10.7*	6
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	.15 *69*	3-11/16 *93.7*	4-17/64 *108.2*	2-11/64 *55.1*	3-13/32 *86.6*	1-21/64 *33.8*	2-21/64 *59.2*	1-17/32 *38.9*	25/64 *9.9*	7
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	.17 *78*	3-7/8 *98.6*	4-1/2 *114.3*	2-19/32 *59.2*	3-37/64 *90.9*	1-23/64 *34.3*	2-1/2 *63.5*	1-9/16 *39.6*	31/64 *12.5*	9
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	.22 *102*	4-27/64 *112.3*	5-1/16 *128.5*	2-19/32 *66.0*	4-1/8 *104.7*	1-13/32 *35.8*	2-37/64 *65.3*	1-5/8 *41.2*	29/64 *11.4*	7
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	.26 *118*	4-59/64 *125.0*	5-29/64 *138.7*	2-3/4 *69.9*	4-39/64 *117.1*	1-17/32 *38.9*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.4*	8

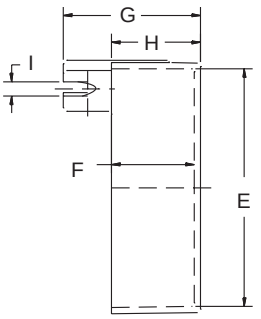
For no re-lube (-NL) applications, part number **430020**, hex head plug is available

RELATED PRODUCTS

D-LOK Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS





Series	Shaft Size*		Part Number	Description
	DL	DLM, DLH		
203	1/2 & 5/8 *17mm*	- - - - -	**128201**	EC-203-X
204	1/2 - 3/4 *20mm*	- - - - -	**128203**	EC-204-X
205	7/8 - 1 *25mm*	- - - - -	**128205**	EC-205-X
206	1-1/16 - 1-1/4 *30mm*	- - - - - *25mm*	**128207**	EC-206-X
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	**128209**	EC-207-X
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	**128211**	EC-208-X
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	**128213**	EC-209-X
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	**128215**	EC-210-X
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	**128217**	EC-211-X
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	**128219**	EC-212-X

* NOTE: Above end covers will not fit the LF and LFT bearings

D-LOK Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS

Series	Shaft Size		Weight lbs	A	C	D	E	F	G	H	I
	DL	DLM, DLH	*gm*								
203	1/2 & 5/8 *17mm*	- - - - -	0.02 *10*	1-51/64 *45.5*	2-13/64 *56.1*	1-3/16 *30.2*	1-41/64 *41.7*	51/64 *20.3*	1-29/64 *37.1*	15/16 *23.9*	1/4 *6.4*
204	1/2 - 3/4 *20mm*	- - - - -	0.03 *15*	2-7/32 *56.1*	2-47/64 *69.6*	1-25/64 *35.3*	2-1/32 *51.6*	1-1/64 *25.7*	1-13/16 *45.7*	1-5/32 *29.5*	5/16 *7.9*
205	7/8 - 1 *25mm*	- - - - -	0.05 *24*	2-3/8 *60.2*	3-3/64 *77.2*	1-19/32 *40.6*	2-5/32 *54.9*	1-1/64 *25.7*	1-53/64 *46.5*	1-11/64 *29.7*	11/32 *8.7*
206	1-1/16 - 1-1/4 *30mm*	- - - - - *25mm*	0.08 *36*	2-47/64 *69.3*	3-21/64 *84.3*	1-45/64 *43.2*	2-1/2 *63.5*	1-3/16 *30.2*	2-1/16 *52.3*	1-23/64 *34.5*	23/64 *8.9*
207	1-1/4 - 1-7/16 *35mm*	1-3/16 & 1-1/4 *30mm*	0.12 *53*	3-1/4 *82.6*	3-27/32 *97.5*	1-31/32 *50.0*	3-1/64 *76.7*	1-11/32 *34.5*	2-11/32 *59.4*	1-17/32 *38.9*	3/8 *9.4*
208	1-1/2 - 1-5/8 *40mm*	1-7/16 *35mm*	0.14 *64*	3-3/8 *85.9*	4.0 *101.6*	2-1/16 *52.3*	3-7/64 *79.0*	1-19/64 *33.0*	2-13/32 *61.0*	1-1/2 *38.1*	27/64 *10.7*
209	1-5/8 - 1-3/4 *45mm*	1-1/2 *40mm*	0.16 *73*	3-11/16 *93.7*	4-17/64 *108.2*	2-11/64 *55.1*	3-13/32 *86.6*	1-23/64 *34.3*	2-21/64 *59.2*	1-17/32 *38.9*	25/64 *9.9*
210	1-15/16 & 2 *50mm*	1-11/16 & 1-3/4 *45mm*	0.18 *82*	3-7/8 *98.6*	4-1/2 *114.3*	2-21/64 *59.2*	3-9/16 *90.9*	1-23/64 *34.3*	2-33/64 *63.8*	1-9/16 *39.6*	31/64 *12.4*
211	2 - 2-1/4 *55mm*	1-15/16 & 2 *50mm*	0.24 *108*	4-27/64 *112.3*	5-1/16 *128.5*	2-19/32 *66.0*	4-1/8 *104.7*	1-29/64 *36.8*	2-37/64 *65.3*	1-21/32 *42.2*	29/64 *11.4*
212	2-1/4 - 2-7/16 *60mm*	2-3/16 - 2-1/4 *55mm*	0.27 *124*	4-59/64 *125.0*	5-15/32 *138.7*	2-3/4 *69.9*	4-39/64 *117.1*	1-35/64 *39.1*	2-11/16 *68.3*	1-3/4 *44.5*	13/32 *10.4*

For no re-lube (_NL) applications, part number **430020**, hex head plug is available

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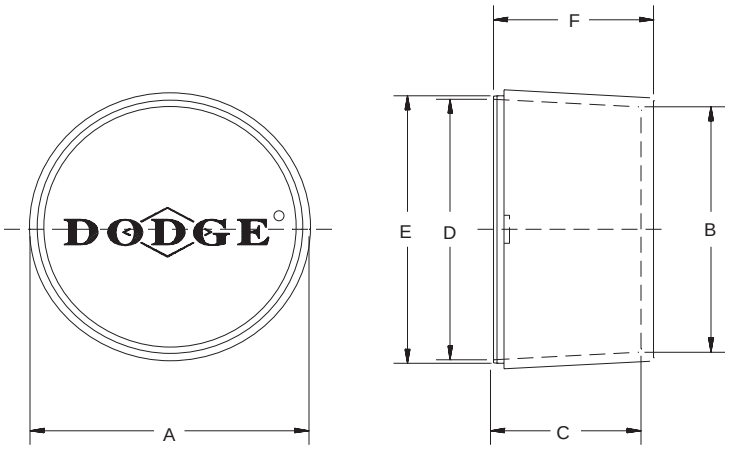
RELATED PRODUCTS

D-LOK Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER



Series	Shaft Size		Part Number	Description
	DL, DLH	DLM		
214	2-1/2 & 2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	**128220**	EC-214
215	2-15/16 *75mm*	2-11/16 *70mm*	**128221**	EC-215
216	- - - - -	2-15/16 & 3 *75mm*	**128222**	EC-216
218	- - - - -	3-7/16 & 3-1/2 *85mm*	**128223**	EC-218

D-LOK Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER

Series	Shaft Size		Weight lbs *gm*	A	B	C	D	E	F
	DL, DLH	DLM							
214	2-1/2 & 2-11/16 *70mm*	2-7/16 & 2-1/2 *65mm*	0.33 *151*	4-15/16 *125.5*	4-7/16 *112.8*	2-39/64 *66.3*	4-39/64 *117.1*	4.741/4.737 *120.4/120.3*	2-53/64 *71.9*
215	2-15/16 *75mm*	2-11/16 *70mm*	0.36 *154*	5-3/32 *129.3*	4-49/64 *120.9*	2-29/64 *62.5*	4-3/4 *120.7*	4.944/4.940 *125.6/125.5*	2-7/8 *72.9*
216	- - - - -	2-15/16 & 3 *75mm*	0.44 *201*	5-9/16 *141.2*	5-15/64 *132.8*	2-47/64 *69.6*	5-13/64 *132.1*	5.350/5.346 *135.9/135.8*	2-63/64 *75.7*
218	- - - - -	3-7/16 & 3-1/2 *85mm*	0.57 *257*	6-5/16 *130.3*	5-29/32 *149.9*	2-27/32 *72.1*	5-15/16 *150.6*	6.100/6.096 *154.9/154.8*	3-3/32 *78.5*

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CONTENTS

FEATURES/BENEFITS

Type E/DOUBLE-INTERLOCK/Type K/TAF

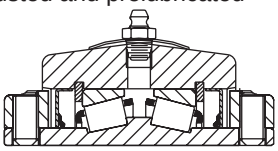
These four product lines have many common features and benefits that are shown on this page. Unique features for each product are shown on the following pages.

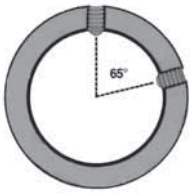
The common components used by all four lines include:

- Bearings
- Seals
- Locking collars
- Bore range

General Features:

- Factory assembled, adjusted and prelubricated
- Case hardened rollers and races
- Easy installation and maintenance
- 65 degree set screw angle Springlok collar/ flingers - more holding power than 90 to 120 degree
- Single rubber lip contacting seals

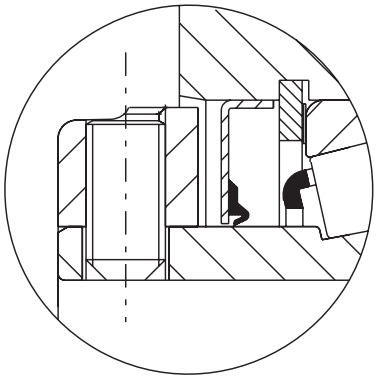


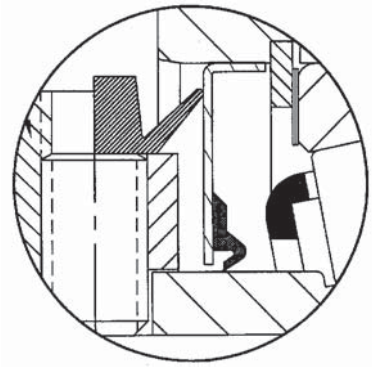


Exclusive Sealing Designs And Features

Rolling Elements Never Exposed to Contaminants

- Exclusive “R” Seal features a combination metal shield and positive land riding contacting lip seal. Keeps containments out, lubricants in.
- E-TECT Seal option gives extra protection with a combination face rubbing seal in addition to the “R” Seal System (See page B6-58)
- TIMKEN™ tapered roller bearing inserts allow for combination radial and thrust loads.
- Lip design conform to cones. Permits grease to purge.
- Close fit oversized collars act as flingers for added protection in dusty or damp environments





FEATURES/BENEFITS

Type E

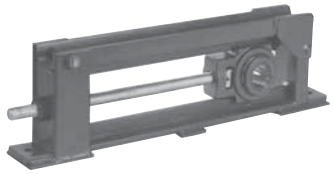
DODGE Type E
One Bearing, One Seal
For Dusty or Damp Environments

- **“E” stands for economy**
- Type E allows easy upgrade from ball bearings
- Interchangeable mounting dimensions with ball bearings
- Moderate price premium vs. ball bearings
- Steel housed pillow blocks available in selected sizes

The Original DODGE Type E Bearing, Only Better

- Provides added protection against contamination
- Completely assembled, factory adjusted and properly lubricated - **shaft read**y
- Stocked in all configurations
- Extra protection - E-TECT seal option
- Steel end covers available up to 3”, 75mm

Top Angle Take-Ups
1-3/4 to 4”
45 - 100 mm



Center Pull Frame With
Wide Slot Take-UP
1-3/8 to 3”
35 - 75 mm

Pillow Block
1-3/16 to 7”
35 - 180 mm

Piloted Flange
1-3/16 to 5”
35 - 125 mm

Flange
1-3/16 to 4-1/2”
35 - 115 mm

FEATURES/BENEFITS

Type K and DOUBLE-INTERLOCK

DODGE DOUBLE-INTERLOCK COMBINES DURABILITY WITH MOUNTING FLEXIBILITY

Heavy Duty Housing Construction Has Proven Performance

- Offers tapered roller bearing durability in a variety of mounting styles
- Extra protection E-TECT Seal Option
- Special clearances and greases available
- Self aligning
- Factory assembled, adjusted and lubricated - **shaft ready**
- End covers available up to 5”

Pillow Block
1-316 to 7”

Flanges
1-3/16 to 5”

S-1 Unit

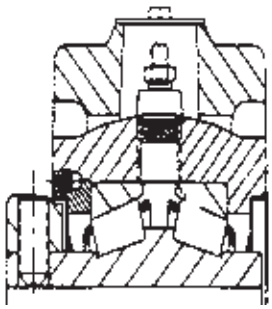
B-1 Unit
1-3/16 up to 5”

D Unit
1-3/16 up to 5”

DODGE TYPE K FITS WHERE COMPETITORS WON’T

Tapered Roller Bearings With Reduced Length Thru Bore

- Reduces length thru bore design in a variety of mounting styles
- Single collar design saves space and installation time
- Allows bearing to be closer to the load for reduced shaft design
- Self-aligning
- Factory assembled, adjusted and lubricated - shaft ready
- Same housing as DOUBLE-INTERLOCK
- End covers available up to 5”



Flange Expansion and
Non-Expansion
1-3/16 - 3-15/16

S-1 & B-1 Units
1-3/16 - 3-15/16”

Pillow Block
Expansion & Non-Expansion
1-3/16 - 3-15/16”

Wide Slot Take-Up
Frame
1-3/8 - 3”

Top Angle Take-Ups
1-3/4 - 3-15/16”

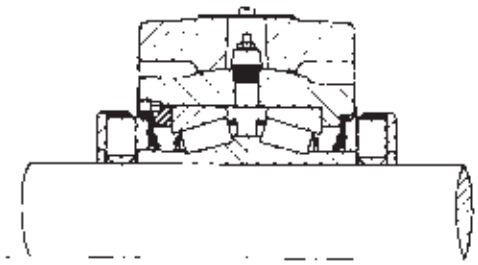
FEATURES/BENEFITS

TAF

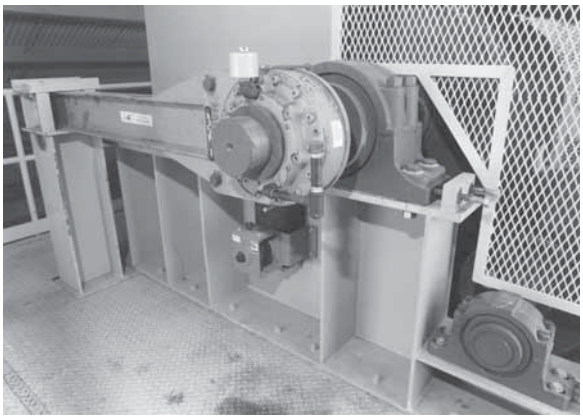
TAF IS A COST SAVING ALTERNATIVE TO SAF SPHERICAL BEARINGS

Mounts Fast, Stays Cleaner And Extends Service Life

- **Shaft ready** - mounts six times faster than SAF
- Interchangeable with SAF style pillow blocks
- Self-aligning, factory assembled, adjusted and lubricated
- Available in 1-7/16” up to 7” shaft diameters
- Equipped with expansion or non-expansion housing
- E-TECT seal option available up to 7”
- Optional Smart Housings accommodate speed, vibration and temperature sensor kits



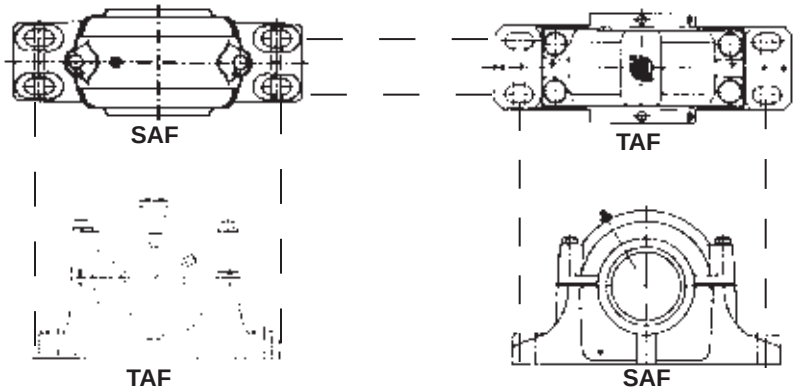
Self-aligning provided by spherically machined housing



SAF

Self-aligning provided by insert, limited by seal interference

TAF Is Interchangeable With SAF Mounting Dimensions



Type K/DOUBLE-INTERLOCK/TAF

DODGE BEARINGS SAVE YOU TIME AND MONEY

Compare These DODGE TAF, Type K & DOUBLE-INTERLOCK Bearing Advantages Against Standard SAF Pillow Blocks

Standard SAF

- Four prices
- Up to six packages
- Open bearing
- Feeler gauge required
- Grease required

DODGE TAF, Type K and DOUBLE-INTERLOCK

- One price
- Sealed bearing
- Factory adjusted
- Factory lubricated
- **Shaft ready**

Compare Standard SAF and DODGE Sealing Designs

Standard SAF

- Seals ride independently of bearing
- Less than 1º static misalignment
- Sealing effectiveness decreases as misalignment increases
- Seals distort when misalignment occurs

DODGE TAF, Type K and DOUBLE-INTERLOCK

- Inner unit carries seal
- Up to 5º static misalignment
- Seal and bearing ride together in inner unit
- Seals maintain contact on cones even with misalignment

SPECIFICATION

Type E, Type K, DOUBLE-INTERLOCK and TAF

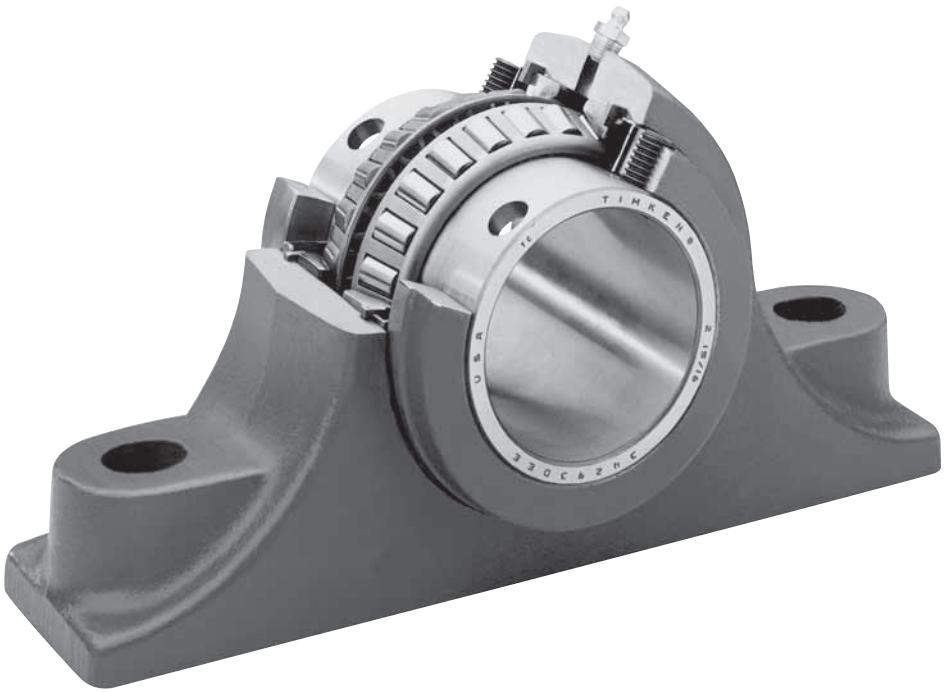
Type E, Type K, DOUBLE-INTERLOCK and TAF mounted bearings are all general purpose high capacity tapered roller bearings capable of handling any combination of radial and thrust load within the capacity of the bearing.

All of these bearings are mounted to the shaft by means of set screw collars having 65 degree set screw spacing for optimum clamping force. The Type E, DOUBLE-INTERLOCK, and TAF mounted bearings have locking collars at each end of their extended inner races. Type K has a single locking collar. The tapered roller bearings for these mounted bearings all have case carburized inner races (cones), outer races (cups), and rollers.

Bearings are preassembled, prelubricated and factory adjusted. They are normally equipped with land riding contact type seals with a metal deflector guard.

The standard housing material for most of these mounted bearings is ASTM A48 Class 30 Iron having a minimum tensile strength of 30,000 psi. The outer housing for the Type K and DOUBLE-INTERLOCK flange bearings thru 4", bore size utilize housings made of ductile iron (ASTM A536 Grade 65-45-12) with 65,000 psi tensile strength. Type E pillow blocks are also available with cast steel housing having a tensile strength of 70,000 psi for 2 bolt base thru 3-1/2" bore size and 4 bolt base from 3-15/16" thru 5" bore size on an assembled or order basis.

The Type K, DOUBLE-INTERLOCK pillow blocks and flange bearings plus the TAF pillow blocks all have split outer housings used with completely assembled, lubricated and adjusted inner units simplifying replacement of the bearing in the pillow block or flange bearing. All Type E mounted bearings, Type K take up units and all D units, S-1 units, and B-1 units have solid one piece housings.



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Type E, Type K, DOUBLE-INTERLOCK and TAF

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page and add any special instructions to the end of the description for options not covered by the nomenclature.

SPECIAL BEARING REQUIREMENTS AND SPECIAL LUBRICANTS

DODGE Bearings are factory adjusted and pre-lubricated. For applications where extreme ambient temperatures, high speeds or high loads are expected, a variety of specialty lubricants and adjustments are available. Standard grease provided is Mobilith AW 2 up to 5", 125mm bore. Above 5" bore Mobil Mobilux #2EP is standard. High temperature greases available include Mobil HTS #2 and Mobilith SHC460. Other special lubricants are available upon request. Special lubricant options usually involve set-up charges and premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example:

F4B-E-207 except with Mobil Grease HTS #2 grease and 012 to .015 lateral end play

or

023106 except with Mobil Grease HTS #2 grease and 012 to .015 lateral end play

OTHER SPECIAL REQUIREMENTS NOT LISTED

For applications requiring modifications not listed, we encourage you to contact out Application Engineering Department for Bearings at 864-284-5700.

NOMENCLATURE

Type E, Type K, DOUBLE-INTERLOCK and TAF

P2B - 515-TAF - 207 - RE

HOUSING STYLE OPTION

P2B = Pillow Block
2-Bolt, Cast Iron

P4B = Pillow Block
4-Bolt, Cast Iron

SP2B - Pillow Block
2-Bolt, Cast Steel

SP4B = Pillow Block
4-Bolt, Cast Steel

F4B = Flange Bearing
4-Bolt, Cast Iron

FC = Piloted Flange
Bearing (Flanged
Cartridge)

B1U = B1 Unit, Cast Iron

DU = D Unit, Cast Iron

S1U = S-1, Unit, Cast Iron

WSTU = Wide Slot Take-Up
Bearing, Cast Iron

TP = Top Angle Take-Up Bearing
Cast Iron

H2S = Pillow Block Housing Only
2-Bolt, Cast Iron

H4S = Pillow Block Housing
4-Bolt, Cast Iron

BEARING TYPE OPTIONS

E = Type E

K = Type K

DI = DOUBLE-INTERLOCK

TAF = TAF

5XX = Housing Series
(TAF Only)

SIZE

INCHES & 16TH
2 = 2 Inches
07 = 7/16 Inches
Or
207 = 2-7/16”

METRIC
060M = 60
Millimeters

OTHER OPTIONS

R = Land Riding Rubbing
Seal

E = Expansion Type Bearing.
Note: If E Does Not Appear After Seal Type, Then Bearing Is Non-Expansion Type

Type E, Type K, DOUBLE-INTERLOCK and TAF Tapered Roller Bearings

DODGE Type E, K, DI and TAF Double Row Tapered Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE tapered roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864) 297-4800 for applications which exceed the recommendations of this catalog.

L_{10} Hours Life --- The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10} = \left(\frac{C_{90}}{P}\right)^{10/3} X \frac{1{,}500{,}000}{RPM}$$

Where: C_{90} = Dynamic Capacity (Table 1, pg. B6-14), lbs.
P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service --- For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life for pillow blocks. The maximum thrust load should not exceed values shown on Table 3. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening of the setscrews, shaft tolerance and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM RANGE		20-200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	E, DI, TAF	$C_{90}/4$	$C_{90}/8$	$C_{90}/12$
	K	$C_{90}/5$	$C_{90}/8$	$C_{90}/12$

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. The radial load is limited by the attachment to the shaft (see Table 1). Where the applied radial load (F_R) exceeds this limit (maximum allowable slip fit radial load), a snug-to-light press fit of the shaft is required. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Tables 6, 7, and, pg. B6-19 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial load for flange units.

SHAFT SIZE	TOLERANCE, INCHES
UP TO 1-1/2”	+.0000 -.0005”
1-5/8 TO 4”	+.000 -.001”
4-7/16 TO 6”	+.000 -.0015”
6-7/16 - 8”	+.000 -.002”

NOTE: The L_{10} life calculated using the above formula is subject to life adjustment factors in accordance with ABMA standards described on page B16-9.

SELECTION

Type E, Type K, DOUBLE-INTERLOCK and TAF Tapered Roller Bearings

SELECTING BEARINGS SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R (F_R = P for Pure Radial

   Load Conditions). The DODGE program BEST™* can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 2, pg B6-15 find, under the RPM column, the equivalent radial load that equals or is higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application. If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 3800 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 3910 lbs. exceeds the 3800 lbs. radial load for shaft sizes 2-11/ 16 - 3". A bearing with bore ranging from 2-11/16" to 3" may be used for this application.

ALTERNATE METHOD A --- SELECTING A BEARING FOR AN L10 LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity $\mathbf{C_{90}}$ is identified in terms of L_{10}, RPM and P.

$$C_{90} = \left(\frac{L_{10} \times RPM}{1{,}500{,}000} \right)^{0.3} \times P$$

($P = F_R$ for Pure Radial Load Conditions)

Since the L_{10}, RPM, and P are known, solve for C_{90}. Select from the dynamic capacity column on Table 1, pg B6-14. The C_{90} value equal to or greater than the C_{90} value just calculated. The bore size on the far left represents the bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1. Also check that the radial load does not exceed the Maximum Allowable Slip Fit Radial Load shown on Table 1. If it does, a line to line to light press fit of shaft is required. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load $P = XF_R + YF_A$

Where: P= Equivalent radial load, lbs.

FR= Radial load, lbs. (see Table 1 for allowable slip fit maximum)

FA= Thrust (axial) load, lbs.

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y= Thrust load factor (Table 1)

To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1, pg. B6-14 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 2, pg B6-15.

*The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at www.ptwizard.com under the Product Selection area.

Type E, Type K, DOUBLE-INTERLOCK and TAF

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Tapered Roller Bearings perform extremely well under pure thrust load applications. Use P = YFA for the equivalent radial load. The value of Y is obtained from Table 1, pg. B6-14 for FA/FR>**e**. Substitute Y and FA into the equivalent load equation. P (equivalent radial load) can be used in the life formula to determine L10 or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 2, pg. B6-15.

LUBRICATION

DODGE E, K, DI, and TAF tapered roller bearings up to 5" bore are lubricated at the factory with MOBILITH AW 2 grease. Above 5" bore they are lubricated with Mobil Mobilux #2EP. Mobilith AW 2 is a superior industrial grease using a lithium complex thickener and a highly refined base oil. Mobil Mobilux #2EP grease is a superior industrial grease using a lithium hydroxystearate thickener and highly refined base oil. These greases will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 5, pg. B6-18. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864) 297-4800. DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Tapered Roller Bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

RELUBRICATION SCHEDULE

Hours Run per Day	SUGGESTED LUBRICATION PERIOD IN WEEKS							
	1 to 250 RPM	251 to 500 RPM	501 to 750 RPM	751 to 1000 RPM	1001 to 1500 RPM	1501 to 2000 RPM	2001 to 2500 RPM	2501 to 3000 RPM
8	12	12	10	7	5	4	3	2
16	12	7	5	4	2	2	2	1
24	10	5	3	2	1	1	1	1

High Speed Operation --- In the higher speed ranges too much grease will cause overheating. The amount of grease that the bearing will take for particular high speed application can only be determined by experience --- see "Operating Temperature" below. If excess grease in the bearing caused overheating, it will be necessary to remove grease fitting (also drain plug when furnished) to permit excess grease to escape. When establishing a relubrication schedule, note that a small amount of grease at frequent intervals is preferable to a large amount at infrequent intervals.

Operation in Presence of Dust, Water or Corrosive Vapors --- Under these conditions the bearing should contain as much grease as speed will permit, since a full bearing with consequent slight leakage is the best protection against entrance of foreign material. In the higher speed ranges too much grease will cause overheating --- see "High Speed Operation". In the lower speed ranges, it is advisable to add extra grease to a new bearing before putting into operation. Bearings should be greased as often as necessary (daily if required) to maintain a slight leakage at the seals.

INSTALLATION AND MAINTENANCE

In nearly all applications good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up, both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE K, DI, and TAF Tapered Roller Bearings. K, DI, and TAF bearings are designed to allow as much as 2° to 7° of static misalignment depending on bore size. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts and cap bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment..

SELECTION

Type E, Type K, DOUBLE-INTERLOCK and TAF

TABLE 1 - E, K, DI, AND TAF TAPERED ROLLER BEARING RADIAL AND THRUST FACTORS

SHAFT SIZE	e	FA/FR<e		FA/FR>e		DYNAMIC CAPACITY C90	STATIC CAPACITY CO	MAXIMUM RPM	MAXIMUM RPM	MAXIMUM ALLOWABLE SLIP FIT RADIAL LOAD, FR **, LBS	
		X	Y	X	Y	LBS.	LBS.	R-SEAL	E-TECT	E,DI,&TAF	K
1-3/16 1-1/4	0.49	0.87	1.77	0.70	2.14	2,980	15,760	4,490	3,100	3,100	2,100
1-3/8 1-7/16	0.46	0.87	1.89	0.70	2.28	4,760	26,000	3,820	2,675	5,000	3,300
1-1/2 1-5/8 1-11/16	0.44	0.87	1.96	0.70	2.37	6,140	33,000	3,320	2,325	6,400	4,300
1-3/4 1-7/8 1-15/16 2	0.33	0.87	2.64	0.70	3.18	8,070	43,000	3,050	2,135	8,400	5,600
2-3/16	0.36	0.87	2.38	0.70	2.87	8,550	48,200	2,730	1,900	8,900	5,900
2-1/4 2-7/16 2-1/2	0.40	0.87	2.17	0.70	2.63	9,090	54,000	2,420	1,700	9,500	6,300
2-11/16 2-3/4 2-15/16 3	0.46	0.87	1.87	0.70	2.26	9,600	61,200	2,060	1,440	10,000	6,700
3-3/16 3-1/4 3-7/16 3-1/2	0.50	0.87	1.71	0.70	2.07	15,300	108,600	1,640	1,145	16,000	10,500
3-15/16 4	0.49	0.87	1.77	0.70	2.14	21,000	154,000	1,530	1,070	22,000	14,600
4-7/16 4-1/2	0.53	0.87	1.63	0.70	1.97	25,800	188,400	1,360	950	27,000	----
4-15/16 5	0.47	0.87	1.83	0.70	2.21	35,500	266,000	1,200	840	35,000	----
5-7/16 5-15/16 6	0.49	0.87	1.76	0.70	2.12	40,700	354,000	915	640	42,400	----
6-7/16 6-1/2 6-15/16 7	0.54	0.87	1.61	0.70	1.95	69,200	574,000	790	550	72,000	----

Comparing Spherical To Taper Roller Bearings: The dynamic capacity C (spherical) and C90 (taper) are not to the same base. To compare basic dynamic capacities, multiply C x .259 and compare to C90.

*C90 - Dynamic capacity based on a rated life of 90 million revolutions or 3000 hours at 500 RPM.

** If load exceeds maximum allowable slip fit radial load, (FR), line-to-line, to light press fit of shaft required. Application up to maximum slip fit radial load may be applied if recommended shaft tolerances are used.

Type E, Type K, DOUBLE-INTERLOCK and TAF

TABLE 2 - EASY SELECTION TABLE TYPE E, K, DI AND TAF

Shaft Size	L10 Hours Life	Allowable Equivalent Radial Load (Lbs.) at various Revolutions Per Minute																		
		50	100	150	250	500	790	915	1,200	1,360	1,530	1,640	1,750	2,060	2,420	2,730	3,050	3,320	3,820	4,490
1-3/16 1-1/4	10,000	4,143	3,365	2,980	2,557	2,077	1,810	1,732	1,597	1,538	1,485	1,454	1,426	1,358	1,294	1,248	1,207	1,177	1,128	1,075
	30,000	2,980	2,421	2,143	1,839	1,494	1,302	1,246	1,149	1,106	1,068	1,046	1,026	977	931	898	868	846	811	773
	40,000	2,734	2,220	1,966	1,687	1,370	1,194	1,143	1,054	1,015	980	959	941	896	854	823	796	776	744	709
	60,000	2,421	1,966	1,741	1,494	1,213	1,058	1,012	933	899	867	849	833	793	756	729	705	687	659	628
	100,000	2,077	1,687	1,494	1,281	1,041	907	868	800	771	744	729	715	681	648	625	605	590	565	539
1-3/8 1-7/16	10,000	6,618	5,376	4,760	4,084	3,317	2,892	2,767	2,551	2,457	2,372	2,323	2,278	2,169	2,067	1,993	1,928	1,880	1,802	
	30,000	4,760	3,866	3,424	2,937	2,386	2,080	1,990	1,835	1,767	1,706	1,670	1,638	1,560	1,486	1,434	1,387	1,352	1,296	
	40,000	4,366	3,547	3,140	2,694	2,188	1,908	1,826	1,683	1,621	1,565	1,532	1,503	1,431	1,364	1,315	1,272	1,240	1,189	
	60,000	3,866	3,140	2,781	2,386	1,938	1,689	1,616	1,490	1,435	1,385	1,357	1,331	1,267	1,207	1,165	1,126	1,098	1,053	
	100,000	3,317	2,694	2,386	2,047	1,662	1,449	1,387	1,278	1,231	1,189	1,164	1,142	1,087	1,036	999	966	942	903	
1-1/2 1-5/8 1-11/16	10,000	8,537	6,934	6,140	5,268	4,279	3,730	3,569	3,290	3,169	3,059	2,996		2,798	2,666	2,571	2,487	2,425		
	30,000	6,140	4,987	4,416	3,789	3,077	2,683	2,567	2,366	2,279	2,200	2,155	2,113	2,012	1,917	1,849	1,789	1,744		
	40,000	5,632	4,575	4,051	3,475	2,823	2,461	2,355	2,171	2,091	2,018	1,977	1,939	1,846	1,759	1,696	1,641	1,600		
	60,000	4,987	4,051	3,587	3,077	2,500	2,179	2,085	1,922	1,851	1,787	1,750	1,716	1,635	1,557	1,502	1,453	1,416		
	100,000	4,279	3,475	3,077	2,640	2,144	1,869	1,789	1,649	1,588	1,533	1,502	1,473	1,402	1,336	1,289	1,247	1,215		
1-3/4 1-7/8 1-15/16 2	10,000	11,220	9,114	8,070	6,923	5,624	4,902	4,691	4,325	4,165	4,021	3,938	3,862	3,677	3,504	3,379	3,269			
	30,000	8,070	6,555	5,804	4,979	4,045	3,526	3,374	3,110	2,996	2,892	2,832	2,777	2,645	2,520	2,431	2,351			
	40,000	7,403	6,013	5,324	4,568	3,710	3,234	3,095	2,853	2,748	2,653	2,598	2,548	2,426	2,312	2,230	2,157			
	60,000	6,555	5,324	4,714	4,045	3,285	2,864	2,740	2,526	2,433	2,349	2,300	2,256	2,148	2,047	1,974	1,910			
	100,000	5,624	4,568	4,045	3,470	2,818	2,457	2,351	2,167	2,088	2,015	1,974	1,935	1,843	1,756	1,694	1,638			
2-3/16	10,000	11,888	9,656	8,550	7,335	5,958	5,194	4,970	4,582	4,413	4,260	4,172	4,091	3,896	3,712	3,581				
	30,000	8,550	6,945	6,149	5,276	4,285	3,736	3,575	3,295	3,174	3,064	3,001	2,943	2,802	2,670	2,575				
	40,000	7,843	6,371	5,641	4,839	3,931	3,427	3,279	3,023	2,911	2,810	2,752	2,699	2,570	2,449	2,362				
	60,000	6,945	5,641	4,995	4,285	3,481	3,034	2,903	2,677	2,578	2,489	2,437	2,390	2,276	2,169	2,092				
	100,000	5,958	4,839	4,285	3,676	2,986	2,603	2,491	2,296	2,212	2,135	2,091	2,051	1,953	1,861	1,795				
2-1/4 2-7/16 2-1/2	10,000	12,639	10,266	9,090	7,798	6,334	5,522	5,284	4,871	4,692	4,529	4,435	4,350	4,142	3,947					
	30,000	9,090	7,383	6,538	5,609	4,556	3,972	3,800	3,503	3,374	3,257	3,190	3,129	2,979	2,839					
	40,000	8,338	6,773	5,997	5,145	4,179	3,643	3,486	3,214	3,095	2,988	2,926	2,870	2,733	2,604					
	60,000	7,383	5,997	5,310	4,556	3,700	3,226	3,087	2,846	2,741	2,646	2,591	2,541	2,420	2,306					
	100,000	6,334	5,145	4,556	3,908	3,175	2,768	2,648	2,441	2,351	2,270	2,223	2,180	2,076	1,978					
2-11/16 2-3/4 2-15/16 3	10,000	13,348	10,842	9,600	8,236	6,690	5,832	5,580	5,145	4,955	4,783	4,684	4,594	4,375						
	30,000	9,600	7,798	6,905	5,924	4,811	4,194	4,014	3,700	3,564	3,440	3,369	3,304	3,146						
	40,000	8,806	7,153	6,334	5,434	4,414	3,848	3,682	3,394	3,269	3,156	3,090	3,031	2,886						
	60,000	7,798	6,334	5,608	4,811	3,908	3,407	3,260	3,005	2,895	2,794	2,737	2,684	2,556						
	100,000	6,690	5,434	4,811	4,128	3,353	2,923	2,797	2,578	2,483	2,397	2,348	2,302	2,192						

For maximum RPM see Table 1 on page B6-14

In the shaded area, E, DI and TAF mounted units require a line-to-line to light press fit of shaft

In the boxed area, Type K mounted units require a line-to-line to light press fit of shaft

SELECTION

DODGE®

Type E, Type K, DOUBLE-INTERLOCK and TAF

TABLE 2 (continued) - EASY SELECTION TABLE TYPE E, K, DI AND TAF

Shaft Size	L10 Hours Life	Allowable Equivalent Radial Load (Lbs.) at various Revolutions Per Minute																	
		50	100	150	250	500	790	915	1,200	1,360	1,530	1,640	1,750	2,060	2,420	2,730	3,050	3,320	3,820	4,490
3-3/16 3-1/4 3-7/16 3-1/2	10,000	21,273	17,279	15,300	13,126	10,662	9,295	8,894	8,199	7,897	7,623	7,466	7,322							
	30,000	15,300	12,427	11,004	9,441	7,668	6,685	6,397	5,897	5,680	5,482	5,369	5,266							
	40,000	14,035	11,400	10,094	8,660	7,034	6,132	5,868	5,409	5,210	5,029	4,925	4,830							
	60,000	12,427	10,094	8,938	7,668	6,228	5,430	5,196	4,790	4,613	4,453	4,361	4,277							
	100,000	10,662	8,660	7,668	6,579	5,344	4,658	4,458	4,109	3,958	3,820	3,742	3,670							
3-15/16 4	10,000	29,198	23,716	21,000	18,016	14,634	12,757	12,207	11,254	10,839	10,463									
	30,000	21,000	17,057	15,104	12,958	10,525	9,175	8,780	8,094	7,796	7,525									
	40,000	19,264	15,647	13,855	11,886	9,655	8,417	8,054	7,425	7,151	6,903									
	60,000	17,057	13,855	12,268	10,525	8,549	7,453	7,131	6,574	6,332	6,112									
	100,000	14,634	11,886	10,525	9,030	7,334	6,394	6,118	5,640	5,432	5,244									
4-7/16 4-1/2	10,000	35,872	29,137	25,800	22,134	17,979	15,673	14,998	13,826	13,316										
	30,000	25,800	20,956	18,556	15,919	12,931	11,273	10,787	9,944	9,577										
	40,000	23,667	19,223	17,022	14,603	11,861	10,340	9,895	9,122	8,786										
	60,000	20,956	17,022	15,072	12,931	10,503	9,156	8,761	8,077	7,779										
	100,000	17,979	14,603	12,931	11,093	9,011	7,855	7,517	6,929	6,674										
4-15/16 5	10,000	49,359	40,092	35,500	30,456	24,738	21,566	20,636	19,024											
	30,000	35,500	28,835	25,532	21,905	17,792	15,511	14,842	13,682											
	40,000	32,565	26,451	23,421	20,094	16,321	14,228	13,615	12,551											
	60,000	28,835	23,421	20,739	17,792	14,452	12,599	12,055	11,114											
	100,000	24,738	20,094	17,792	15,264	12,398	10,809	10,343	9,535											
5-7/16 5-15/16 6	10,000	56,589	45,964	40,700	34,917	28,362	24,725	23,659												
	30,000	40,700	33,059	29,272	25,113	20,398	17,783	17,016												
	40,000	37,335	30,325	26,852	23,037	18,712	16,312	15,609												
	60,000	33,059	26,852	23,777	20,398	16,569	14,444	13,821												
	100,000	28,362	23,037	20,398	17,500	14,214	12,392	11,858												
6-7/16 6-1/2 6-15/16 7	10,000	56,589	45,964	40,700	34,917	28,362	42,038													
	30,000	40,700	33,059	29,272	25,113	20,398	30,235													
	40,000	37,335	30,325	26,852	23,037	18,712	27,735													
	60,000	33,059	26,852	23,777	20,398	16,569	24,558													
	100,000	28,362	23,037	20,398	17,500	14,214	21,069													

For maximum RPM see Table 1 on page B6-14
In the shaded area, E, DI and TAF mounted units require a line-to-line to light press fit of shaft
In the boxed area, Type K mounted units require a line-to-line to light press fit of shaft

Type E, DOUBLE-INTERLOCK and TAF

TABLE 3 - PERMISSIBLE THRUST LOAD, LBS.*

SHAFT SIZE INCHES	*E		*K/DI, TAF	
	2-Bolt	4-Bolt	2-Bolt	4-Bolt
1-3/16	2000		1400	
1-1/4	2000		1400	
1-3/8	2590		2590	
1-7/16	2590		2590	
1-1/2	2590		2590	
1-5/8	2590		2590	
1-11/16	2590		2590	
1-3/4	3454		3454	
1-7/8	3454		3454	
1-15/16	3454		3454	
2	3454		3454	
2-3/16	3454		3454	
2-1/4	3454	3454	3454	3454
2-7/16	3454	3454	3454	3454
2-1/2	3454	3454	3454	3454
2-11/16	5181	5181	5181	5181
2-3/4	5181	5181	5181	5181
2-15/16	5181	5181	5181	5181
3	5181	5181	5181	5181
3-3/16	5181	5181	4300	5181
3-1/4	5181	5181	4300	5181
3-7/16	5181	5181	4300	5181
3-1/2	5181	5181	4300	5181
3-15/16		6908		6908
4		6908		6908
4-7/16		6908		6908
4-1/2		6908		6908
4-15/16		6908		6908
5		6908		6908
5-7/16		8635		8635
5-15/16		8635		8635
6		8635		8635
6-7/16		12282		12282
6-1/2		12282		12282
6-15/16		12282		12282
7		12282		12282

Note: The limits above apply to set screw shaft mounting or pillow block over turning force. Under heavy thrust loads it is always wise to use shear bars. At all times, the L10 life of the bearing should be checked for proper selection and life requirements. For thrust loads larger than listed or heavy thrust loading on other style housing, contact DODGE Engineering for recommendations.

* Does not include Piloted Flange
Piloted Flange up to and including 3-1/2" and all sizes of Type K only have one setscrew locking collar and therefore the above listed permissible thrust load values must be decreased by 1/2.

SELECTION

Type E, Type K, DOUBLE-INTERLOCK and TAF

TABLE 4 - K, DI AND TAF MAXIMUM AXIAL EXPANSION (INCHES)

Bore Size (INCHES)	Type K DOUBLE-INTERLOCK		TAF
	Pillow Block	Flange	
1-3/16 - 1-1/4	0.252	--	--
1-3/8 - 1-7/16	0.188	0.187	0.188
1-1/2 - 1-11/16	0.188	0.187	0.188
1-3/4 - 2	0.562	0.187	0.562
2-3/16	0.562	0.187	0.562
2-1/4 - 2-1/2	0.562	0.312	0.562
2-11/16 - 3	0.562	0.312	0.562
3-3/16 - 3-1/2	0.562	0.312	0.562
3-15/16 - 4	0.674	0.312	0.674
4-7/16 - 4-1/2	0.674	0.812	0.674
4-15/16 - 5	0.674	0.812	0.674
5-7/16 - 6	0.500	--	0.875
6-7/16 - 7	0.500	--	0.875

Table 5 - DEFINITION OF OPERATING CONDITIONS FOR TAPERED ROLLER BEARINGS

LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 1)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RPM
HIGH SPEED	OVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 30% OF C90 (TABLE 1)
NORMAL LOAD	OVER 30% TO 70% OF C90
HEAVY LOAD	OVER 70% OF C90
LOW TEMPERATURE	-100°F TO 20°F
MEDIUM TEMPERATURE	OVER 20°F TO 200°F
HIGH TEMPERATURE	OVER 200°F TO 300°F
VERY HIGH TEMPERATURE	OVER 300°F TO 400°F

Type E

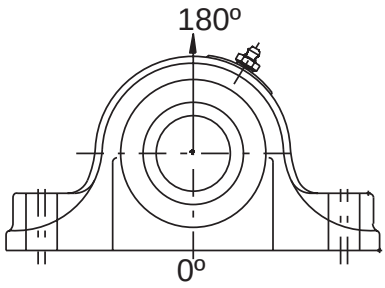


TABLE 6 - HOUSING RATINGS - TYPE E (SOLID HOUSING)

SHAFT SIZE (INCHES)	MAXIMUM RECOMMENDED HOUSING CAP LOADS, LBS. GRAY IRON 180°
1-3/16 - 1-1/4	1,600
1-3/8 - 1-7/16	3,150
1-1/2 - 1-11/16	3,000
1-3/4 - 2	5,150
2-3/16	3,500
2-1/4 - 2-1/2	6,550
2-11/16 - 3	7,000
3-3/16 - 3-1/2	15,700
3-15/16 - 4	16,250
4-7/16 - 4-1/2	21,000
4-15/16 - 5	22,860
5-7/16 - 6	43,600
6-7/16 - 7	46,000

*When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures.

1. The pillow block base bolts must be of **Grade 8 strength with hardened washers and properly tightened** to the mounting structure.
2. The use of stop bars (shear strips) against pillow block where side loads are encountered
3. In all cases where loads are heave, the L10 life of the bearing should be checked for proper selection and life requirements

SELECTION

Type K, DOUBLE-INTERLOCK and TAF

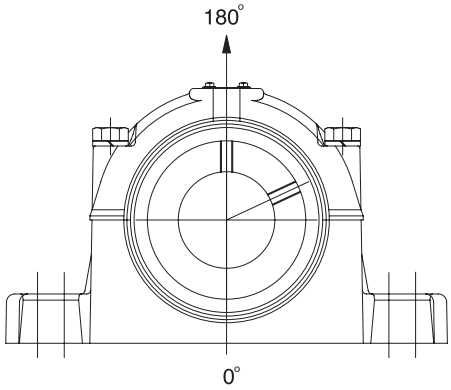


Table 7:
Housing Ratings
Type K and DI Housing (Split Housing)

SHAF SIZE (INCHES)	MAXIMUM RECOMMENDED HOUSING CAP LOADS, LBS. 180°
1-3/16 - 1-1/4	4,300
1-3/8 - 1-7/16	5,060
1-1/2 - 1-11/16	5,940
1-3/4 - 2	8,660
2-3/16	10,100
2-1/4 - 2-1/2	10,100
2-11/16 - 3	11,220
3-3/16 - 3-1/2	16,170
3-15/16 - 4	19,580
4-7/16 - 4-1/2	20,130
4-15/16 - 5	24,530
5-7/16 - 6	35,200
6-7/16 - 7	56,000

Table 8:
Housing Ratings
TAF (Split Housing)

SHAFT SIZE (INCHES)	MAXIMUM RECOMMENDED HOUSING CAP LOADS, LBS. 180°
1-7/16	4,600
1-11/16	5,400
1-15/16	7,875
2-3/16	9,200
2-7/16 - 2-1/2	9,220
2-15/16 - 3	10,200
3-7/16 - 3-1/2	14,700
3-15/16 - 4	17,800
4-7/16 - 4-1/2	18,300
4-15/16 - 5	22,300
5-7/16 - 6	30,000
6-7/16 - 6-1/2	30,000
6-15/16 - 7	48,000

*When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures.

1. The pillow block base bolts must be of **Grade 8 strength with hardened washers and properly tightened to the mounting structure.**
2. The use of stop bars (shear strips) against pillow block where side loads are encountered
3. In all cases where loads are heave, the L10 life of the bearing should be checked for proper selection and life requirements

DODGE®

Type E, Type K, DOUBLE-INTERLOCK and TAF

DODGE®

MOUNTED BEARINGS
APPLICATION DATA SHEET

Instructions: Complete all applicable information and mail or Fax to DODGE at P.O. Box 499, Greenville, SC 29620, Attn: Engineering, Fax 864-2317

DIST. ☐ USER ☐ OEM

Company _____ Date _____

Address _____

Name _____ Phone _____ Fax _____

Type of Equipment (sketch drive on separate sheet) _____

Service Conditions:

Shaft Speed: Normal _____ Maximum _____

Loads: Radial _____ Thrust _____ Shock (frequency) _____

Shaft Size: _____ Shaft Tolerance (specify if not commercial) _____

Duty Cycle: Hours/Day _____ Days/Week _____ Weeks/Year _____

Environment:

Ambient Temperature: Summer _____ °F Winter _____ °F

External Heat: Source of Heat _____

Temperature _____ °F Distance from Bearing _____

Air: Clean _____ Contaminated _____ Contamination Type _____

Gas: Clean _____ Contaminated _____ Contamination Type _____

Liquid: Type _____ Concentration _____

Other: (Including washdowns) _____

Experience: (If applicable)

Type of Bearing Currently Used: _____

Life Realized _____ Type of Failure _____

Other Pertinent Data

_____

_____

_____

L-10 Hours Required: _____

Dimensional Restrictions: Centerline Height _____

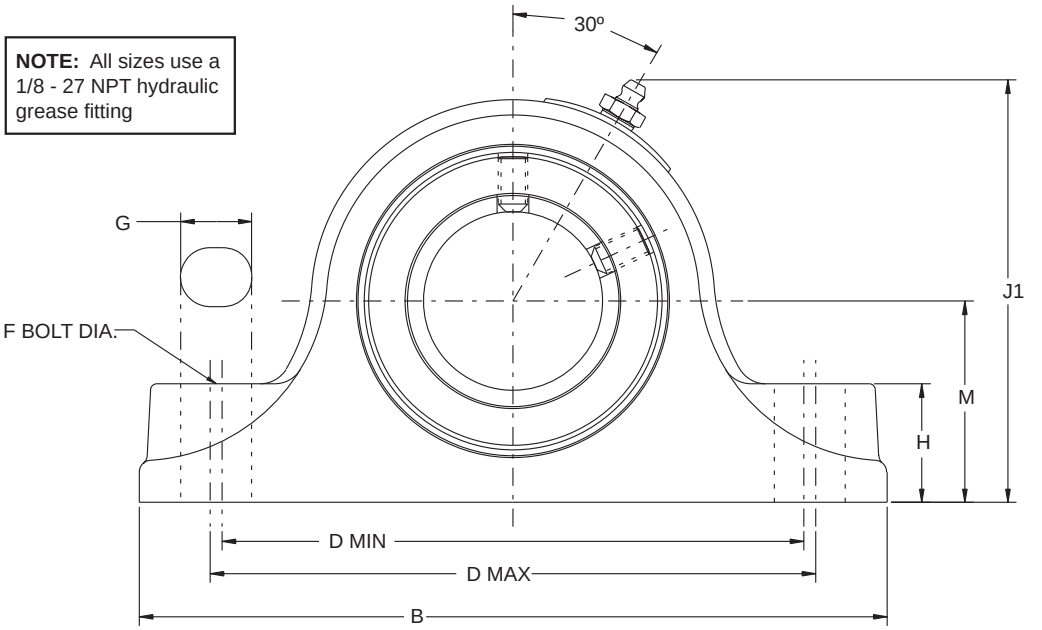
Bolt Pattern _____

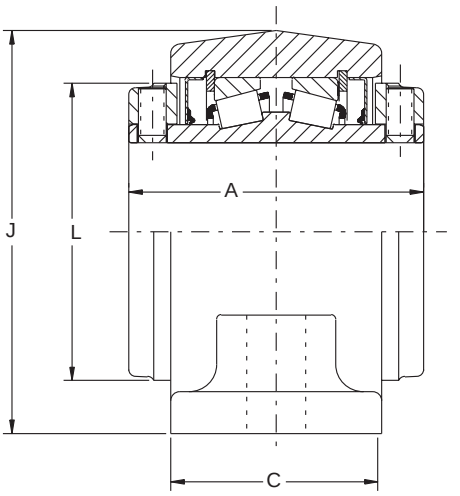
Other _____

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

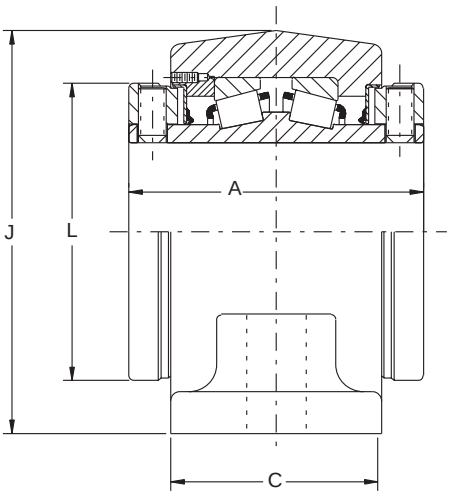
SELECTION/DIMENSIONS

Type E Pillow Block - Inch
2-BOLT BASE





1-3/16" THRU 3" CONSTRUCTION



3-3/16" THRU 3-1/2" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

Type E Pillow Block - Inch
2-BOLT BASE

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023000**	P2B-E-103R	4
1-1/4	**023001**	P2B-E-104R	4
1-3/8	**023002**	P2B-E-106R	7
1-7/16	**023003**	P2B-E-107R	7
1-1/2	**023004**	P2B-E-108R	10
1-5/8	**023005**	P2B-E-110R	10
1-11/16	**023006**	P2B-E-111R	10
1-3/4	**023007**	P2B-E-112R	12
1-7/8	**023008**	P2B-E-114R	12
1-15/16	**023009**	P2B-E-115R	12
2	**023010**	P2B-E-200R	12
2-3/16	**023011**	P2B-E-203R	15
2-1/4	**023012**	P2B-E-204R	21
2-7/16	**023013**	P2B-E-207R	20
2-1/2	**023014**	P2B-E-208R	20
2-11/16	**023015**	P2B-E-211R	29
2-3/4	**023016**	P2B-E-212R	28
2-15/16	**023017**	P2B-E-215R	27
3	**023018**	P2B-E-300R	27
3-3/16	**023019**	P2B-E-303R	48
3-1/4	**023020**	P2B-E-304R	47
3-7/16	**023021**	P2B-E-307R	46
3-1/2	**023022**	P2B-E-308R	45

Consult DODGE For Sizes Not Listed

CAST STEEL			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS
1-3/16	**023047**	SP2B-E-103R	4
1-1/4	**023048**	SP2B-E-104R	4
1-3/8	**023049**	SP2B-E-106R	7
1-7/16	**023050**	SP2B-E-107R	7
1-1/2	**023051**	SP2B-E-108R	10
1-5/8	**023052**	SP2B-E-110R	10
1-11/16	**023053**	SP2B-E-111R	10
1-3/4	**023054**	SP2B-E-112R	11
1-7/8	**023055**	SP2B-E-114R	11
1-15/16	**023056**	SP2B-E-115R	11
2	**023057**	SP2B-E-200R	11
2-3/16	**023058**	SP2B-E-203R	14
2-1/4	**023059**	SP2B-E-204R	19
2-7/16	**023060**	SP2B-E-207R	19
2-1/2	**023061**	SP2B-E-208R	19
2-11/16	**023062**	SP2B-E-211R	26
2-3/4	**023063**	SP2B-E-212R	26
2-15/16	**023064**	SP2B-E-215R	26
3	**023065**	SP2B-E-300R	26
3-3/16	**023066**	SP2B-E-303R	44
3-1/4	**023067**	SP2B-E-304R	44
3-7/16	**023068**	SP2B-E-307R	44
3-1/2	**023069**	SP2B-E-308R	44

Consult DODGE For Sizes Not Listed

SHAFT SIZE (Inches)	A	B	C	D		F BOLT DIA	G	H	J	J1	L	M
				MIN	MAX							
1-3/16 1-1/4	2-3/4	6	1-7/8	4-3/4	4-13/16	1/2	19/32	7/8	3	3-9/32	2-1/4	1-1/2
1-3/8 1-7/16	3	7-3/8	2-1/8	5-5/8	5-7/8	1/2	3/4	1-1/8	3-3/4	4	2-3/4	1-7/8
1-1/2 1-5/8 1-11/16	3-3/8	7-7/8	2-3/8	6-1/8	6-3/8	1/2	3/4	1-1/4	4-1/4	4-15/32	3-3/16	2-1/8
1-3/4 1-7/8 1-15/16 2	3-1/2	8-7/8	2-1/2	6-7/8	7-1/8	5/8	7/8	1-5/16	4-1/2	4-11/16	3-7/16	2-1/4
2-3/16	3-3/4	9-5/8	2-5/8	7-5/8	7-7/8	5/8	7/8	1-1/2	5	5-11/64	3-3/4	2-1/2
2-1/4 2-7/16 2-1/2	4	10-1/2	2-7/8	8-3/8	8-5/8	5/8	7/8	1-5/8	5-1/2	5-5/8	4-1/16	2-3/4
2-11/16 2-3/4 2-15/16 3	4-1/2	12	3	9-5/16	9-11/16	3/4	1	1-7/8	6-1/4	6-11/32	4-23/32	3-1/8
3-3/16 3-1/4 3-7/16 3-1/2	5	14	3-1/2	10-13/16	11-3/16	7/8	1-3/16	2-1/4	7-1/2	7-1/2	5-1/2	3-3/4

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

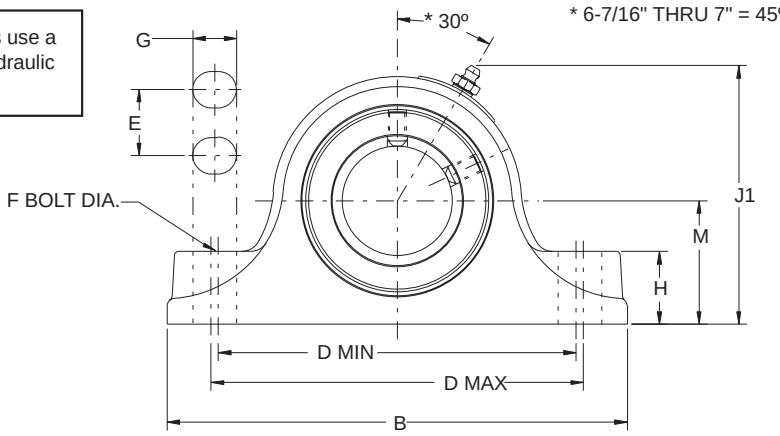
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

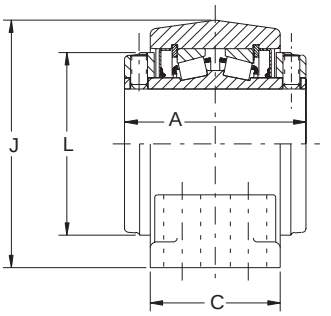
SELECTION/DIMENSIONS

DODGE®

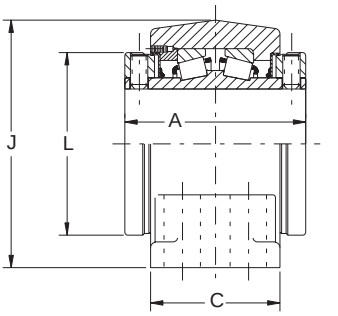
Type E Pillow Block - Inch
4-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

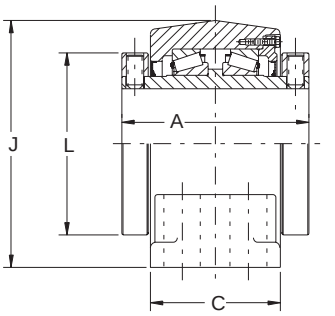




2-1/4" THRU 3" CONSTRUCTION



3-3/16" THRU 5" CONSTRUCTION



5-7/16" THRU 7" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

Type E Pillow Block - Inch

4-BOLT BASE

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
2-1/4	**023023**	P4B-E-204R	20
2-7/16	**023024**	P4B-E-207R	20
2-1/2	**023025**	P4B-E-208R	19
2-11/16	**023026**	P4B-E-211R	30
2-3/4	**023027**	P4B-E-212R	28
2-15/16	**023028**	P4B-E-215R	28
3	**023029**	P4B-E-300R	28
3-3/16	**023030**	P4B-E-303R	47
3-1/4	**023031**	P4B-E-304R	47
3-7/16	**023032**	P4B-E-307R	46
3-1/2	**023033**	P4B-E-308R	45
3-15/16	**023690**	P4B-E-315R	69
4	**023691**	P4B-E-400R	69
4-7/16	**023692**	P4B-E-407R	85
4-1/2	**023693**	P4B-E-408R	85
4-15/16	**023694**	P4B-E-415R	134
5	**023695**	P4B-E-500R	133
5-7/16	**023040**	P4B-E-507R	230
5-15/16	**023041**	P4B-E-515R	250
6	**023042**	P4B-E-600R	245
6-7/16	**023043**	P4B-E-607R	356
6-1/2	**023044**	P4B-E-608R	350
6-15/16	**023045**	P4B-E-615R	340
7	**023046**	P4B-E-700R	335

Consult DODGE For Sizes Not Listed

CAST STEEL			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS
2-1/4	----------	----------	----------
2-7/16	----------	----------	----------
2-1/2	----------	----------	----------
2-11/16	----------	----------	----------
2-3/4	----------	----------	----------
2-15/16	----------	----------	----------
3	----------	----------	----------
3-3/16	----------	----------	----------
3-1/4	----------	----------	----------
3-7/16	----------	----------	----------
3-1/2	----------	----------	----------
3-15/16	**023070**	SP4B-E-315R	65
4	**023071**	SP4B-E-400R	65
4-7/16	**023072**	SP4B-E-407R	81
4-1/2	**023073**	SP4B-E-408R	81
4-15/16	**023074**	SP4B-E-415R	132
5	**023075**	SP4B-E-500R	132
5-7/16	----------	----------	----------
5-15/16	----------	----------	----------
6	----------	----------	----------
6-7/16	----------	----------	----------
6-1/2	----------	----------	----------
6-15/16	----------	----------	----------
7	----------	----------	----------

Consult DODGE For Sizes Not Listed

SHAFT SIZE INCHES	A	B	C*	D		E	F BOLT DIA	G	H	J1	J	L	M
				MIN	MAX								
2-1/4 2-7/16 2-1/2	4	10-1/2	3-1/2	8-5/16	8-11/16	1-7/8	5/8	7/8	1-5/8	5-1/2	5-5/8	4-1/16	2-3/4
2-11/16 2-3/4 2-15/16 3	4-1/2	12	4	9-3/16	9-13/16	2-1/8	5/8	1	1-7/8	6-1/4	6-11/32	4-23/32	3-1/8
3-3/16 3-1/4 3-7/16 3-1/2	5	13-1/2	4-1/2	10-3/4	11-1/4	2-3/8	3/4	1-3/16	2-1/4	7-1/2	7-1/2	5-1/2	3-3/4
3-15/16 4	6-1/4	15-1/4	4-1/2	12-1/4	12-3/4	2-1/4	3/4	1-1/8	2-7/16	8-1/2	8-7/16	6	4-1/4
4-7/16 4-1/2	6-3/4	16-5/8	4-5/8	13-1/4	13-3/4	2-1/2	3/4	1-1/8	2-3/4	9-3/8	9-9/32	6-29/64	4-3/4
4-15/16 5	7-1/4	18-1/2	5-1/8	15-1/4	15-3/4	2-7/8	7/8	1-1/4	3	10-7/8	10-11/16	7-29/64	5-1/2
5-7/16 5-15/16 6	9	22	6-1/4	17-3/8	19-1/8	3-3/4	1	2	3-1/4	13-3/16	----	9-3/8	6-11/16
6-7/16 6-1/2 6-15/16 7	10-1/2	26	7-1/8	21-1/4	23-1/4	4-5/8	1	2	3-11/16	14-15/16	----	11-3/8	7-1/2

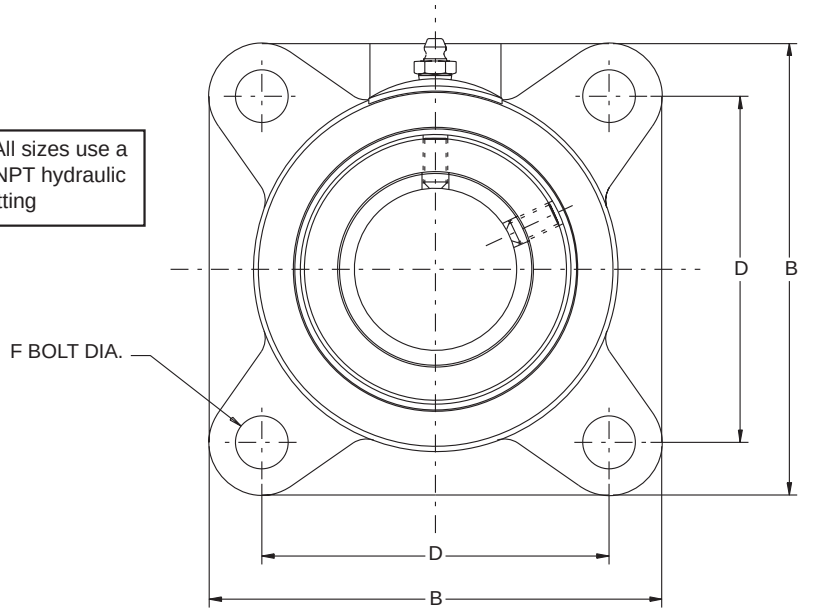
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

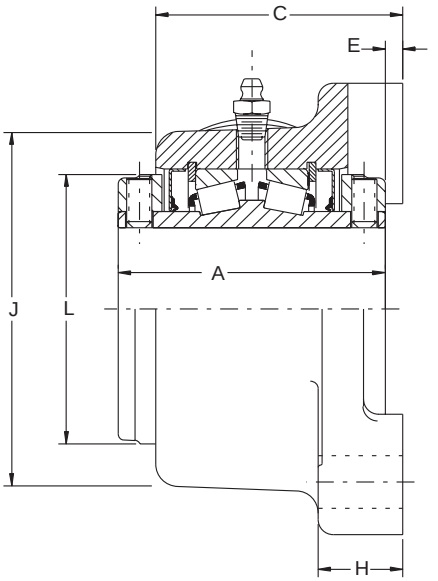
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

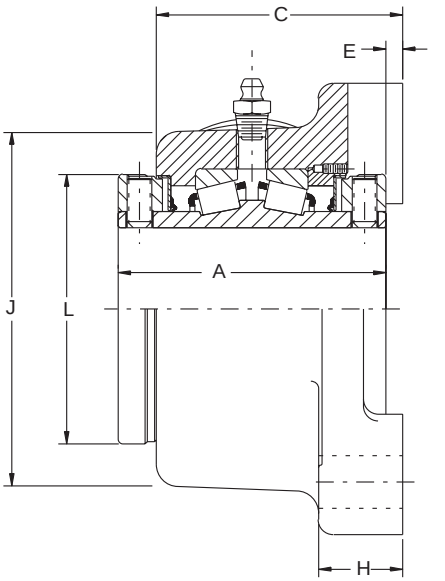
Type E Flange Bearing - Inch
4-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





1-3/16" THRU 3" CONSTRUCTION



3-3/16" THRU 4-1/2" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

Type E Flange Bearing - Inch
4-BOLT BASE

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023093**	F4B-E-103R	4
1-1/4	**023094**	F4B-E-104R	4
1-3/8	**023095**	F4B-E-106R	7
1-7/16	**023096**	F4B-E-107R	7
1-1/2	**023097**	F4B-E-108R	11
1-5/8	**023098**	F4B-E-110R	11
1-11/16	**023099**	F4B-E-111R	11
1-3/4	**023100**	F4B-E-112R	12
1-7/8	**023101**	F4B-E-114R	12
1-15/16	**023102**	F4B-E-115R	12
2	**023103**	F4B-E-200R	12
2-3/16	**023104**	F4B-E-203R	15
2-1/4	**023105**	F4B-E-204R	21
2-7/16	**023106**	F4B-E-207R	20
2-1/2	**023107**	F4B-E-208R	19
2-11/16	**023108**	F4B-E-211R	28
2-3/4	**023109**	F4B-E-212R	28
2-15/16	**023110**	F4B-E-215R	27
3	**023111**	F4B-E-300R	26
3-3/16	**023112**	F4B-E-303R	52
3-1/4	**023113**	F4B-E-304R	51
3-7/16	**023114**	F4B-E-307R	50
3-1/2	**023115**	F4B-E-308R	50
3-15/16	**023116**	F4B-E-315R	75
4	**023117**	F4B-E-400R	75
4-7/16	**023118**	F4B-E-407R	90
4-1/2	**023119**	F4B-E-408R	90

Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D	E	F BOLT	H	J	L
1-3/16 1-1/4	2-3/4	3-3/4	2-11/32	2-7/8	1/16	3/8	1	2-15/16	2-1/4
1-3/8 1-7/16	3	4-5/8	2-19/32	3-1/2	1/16	1/2	1-1/16	3-1/2	2-3/4
1-1/2 1-5/8 1-11/16	3-3/8	5-3/8	2-31/32	4-1/8	1/8	1/2	1-3/16	4-3/16	3-3/16
1-3/4 1-7/8 1-15/16 2	3-1/2	5-5/8	3-3/32	4-3/8	1/8	1/2	1-3/16	4-7/16	3-7/16
2-3/16	3-3/4	6-1/4	3-9/32	4-7/8	1/8	5/8	1-3/8	4-7/8	3-3/4
2-1/4 2-7/16 2-1/2	4	6-7/8	3-9/16	5-3/8	3/16	5/8	1-1/2	5-5/16	4-1/16
2-11/16 2-3/4 2-15/16 3	4-1/2	7-3/4	3-15/16	6	3/16	3/4	1-5/8	6	4-23/32
3-3/16 3-1/4 3-7/16 3-1/2	5	9-1/4	4-1/2	7	1/4	3/4	1-7/8	7-1/4	5-1/2
3-15/16 4	6-1/4	10-1/4	5-5/8	7-3/4	1/4	7/8	2-1/8	8-1/4	6
4-7/16 4-1/2	6-3/4	10-7/8	5-15/16	8-3/4	11/32	7/8	2-7/16	8-3/4	6-29/64

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

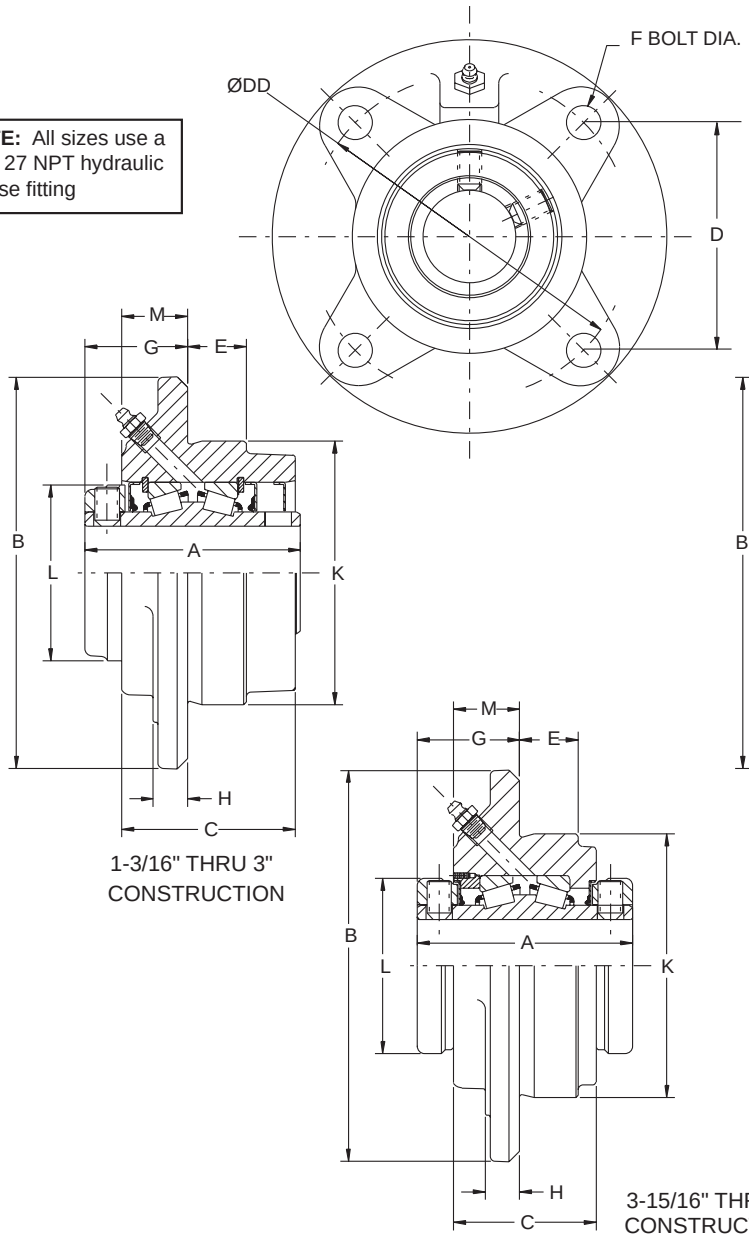
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

DODGE®

Type E Piloted Flange

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



1-3/16" THRU 3" CONSTRUCTION

3-3/16" THRU 3-1/2" CONSTRUCTION

3-15/16" THRU 5" CONSTRUCTION

NOTE: 4-7/16" - 5" have 6 equally spaced mounting holes

DODGE®

Type E Piloted Flange

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023120**	FC-E-103R	5
1-1/4	**023121**	FC-E-104R	5
1-3/8	**023122**	FC-E-106R	7
1-7/16	**023123**	FC-E-107R	6
1-1/2	**023124**	FC-E-108R	10
1-5/8	**023125**	FC-E-110R	9
1-11/16	**023126**	FC-E-111R	9
1-3/4	**023127**	FC-E-112R	11
1-7/8	**023128**	FC-E-114R	10
1-15/16	**023129**	FC-E-115R	10
2	**023130**	FC-E-200R	10
2-3/16	**023131**	FC-E-203R	14
2-1/4	**023132**	FC-E-204R	18
2-7/16	**023133**	FC-E-207R	18
2-1/2	**023134**	FC-E-208R	17
2-11/16	**023135**	FC-E-211R	27
2-3/4	**023136**	FC-E-212R	27
2-15/16	**023137**	FC-E-215R	25
3	**023138**	FC-E-300R	25
3-3/16	**023139**	FC-E-303R	44
3-1/4	**023140**	FC-E-304R	44
3-7/16	**023141**	FC-E-307R	43
3-1/2	**023142**	FC-E-308R	42
3-15/16	**023143**	FC-E-315R	59
4	**023144**	FC-E-400R	58
4-7/16 ##	**023145**	FC-E-407R	110
4-1/2 ##	**023146**	FC-E-408R	110
4-15/16 ##	**023147**	FC-E-415R	130
5 ##	**023148**	FC-E-500R	130

Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D	ØDD	E	F BOLT#	G	H	K**	L	M
1-3/16 1-1/4	2-3/4	5	2-7/32	2.92	4-1/8	3/4	3/8	1-5/16	7/16	3-3/8	2-1/4	27/32
1-3/8 1-7/16	3	5-1/4	2-15/32	3.09	4-3/8	7/8	3/8	1-1/2	1/2	3-5/8	2-3/4	1-1/32
1-1/2 1-5/8 1-11/16	3-3/8	6-1/8	2-25/32	3.62	5-1/8	1-1/16	7/16	1-9/16	1/2	4-1/4	3-3/16	1-1/32
1-3/4 1-7/8 1-15/16 2	3-1/2	6-3/8	2-29/32	3.80	5-3/8	1-3/16	7/16	1-9/16	9/16	4-1/2	3-7/16	1-1/32
2-3/16	3-3/4	7-1/8	3-3/32	4.24	6	1-3/16	1/2	1-11/16	9/16	5	3-3/4	1-3/32
2-1/4 2-7/16 2-1/2	4	7-5/8	3-5/16	4.60	6-1/2	1-5/16	1/2	1-13/16	5/8	5-1/2	4-1/16	1-3/16
2-11/16 2-3/4 2-15/16 3	4-1/2	8-3/4	3-11/16	5.30	7-1/2	1-1/2	5/8	2	3/4	6-3/8	4-23/32	1-1/4
3-3/16 3-1/4 3-7/16 3-1/2	5	10-1/4	4-3/16	6.10	8-5/8	1-1/4	3/4	2-7/16	15/16	7-3/8	5-1/2	1-11/16
3-15/16 4	6-1/4	10-7/8	4-1/2	6.63	9-3/8	1-1/2	3/4	2-11/16	1	8-1/8	6	1-13/16
4-7/16 4-1/2	6-3/4	13-1/2	4-5/8	##	11-3/4	1-1/2	3/4##	3	1	10-1/4	6-29/64	1-15/16
4-15/16 5	7-1/4	14-3/4	5-1/16	##	12-3/4	1-3/4	7/8##	2-31/32	1-1/4	11	7-29/64	1-7/8

* 1-3/16 To 3-1/2 - One Collar
3-15/16 To 5, - Two Collars

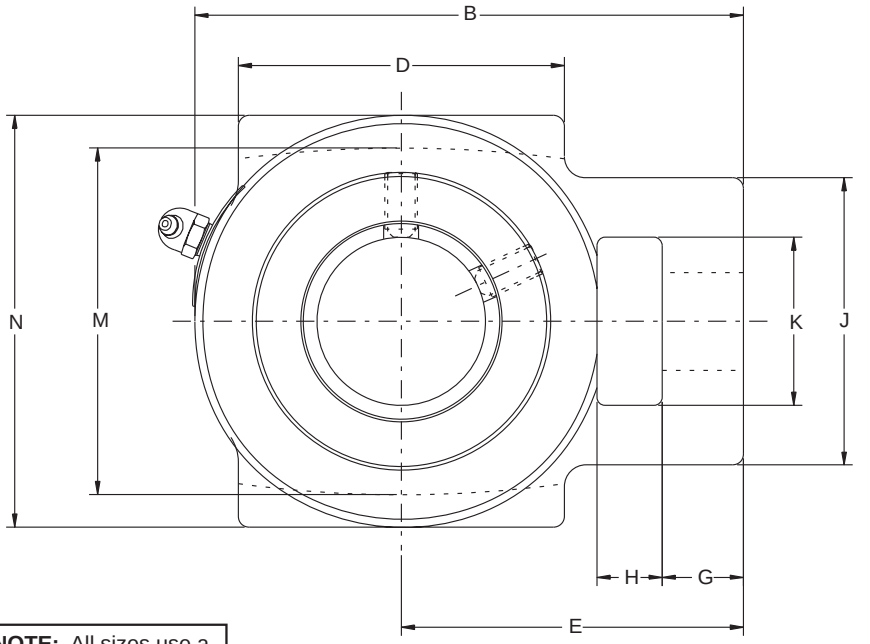
(6) BOTS EQUALLY SPACED
** +.000 -.002

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

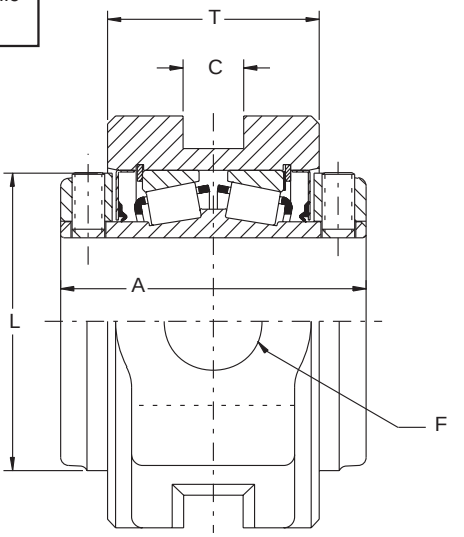
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

Type E Wide Slot Take-Up Unit



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



1-3/8" THRU 3" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

Type E Wide Slot Take-Up Unit

GRAY IRON				
SHAFT SIZE # Inches	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)	FRAME Δ
1-3/8	**023076**	WSTU-E-106R	8	CP308
1-7/16	**023077**	WSTU-E-107R	8	
1-1/2	**023078**	WSTU-E-108R	10	CP400
1-5/8	**023079**	WSTU-E-110R	10	
1-11/16	**023080**	WSTU-E-111R	10	
1-3/4	**023081**	WSTU-E-112R	12	CP400
1-7/8	**023082**	WSTU-E-114R	12	
1-15/16	**023083**	WSTU-E-115R	12	
2	**023084**	WSTU-E-200R	12	
2-3/16	**023085**	WSTU-E-203R	16	CP408
2-1/4	**023086**	WSTU-E-204R	21	CP502
2-7/16	**023087**	WSTU-E-207R	21	
2-1/2	**023088**	WSTU-E-208R	21	
2-11/16	**023089**	WSTU-E-211R	30	CP515
2-3/4	**023090**	WSTU-E-212R	30	
2-15/16	**023091**	WSTU-E-215R	30	
3	**023092**	WSTU-E-300R	30	

Consult DODGE For Sizes Not Listed.
Δ See page B15-20 for CP Take-Up Frame

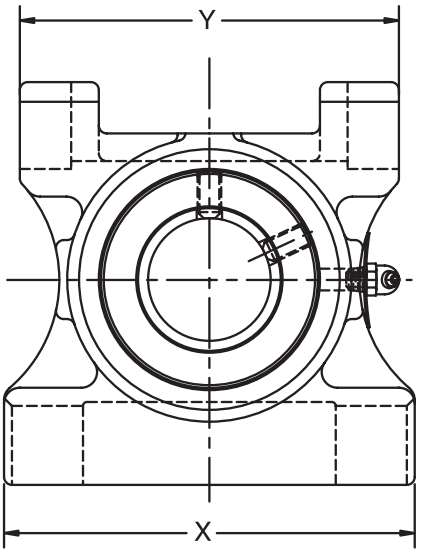
SHAFT SIZE INCHES	A	B	C	D	E	F SCREW DIA	G	H	J	K	L	M	N	T
1-3/8 1-7/16	3	5-3/32	17/32	2-3/4	3-7/32	3/4	11/16	5/8	2-7/16	1-7/16	2-3/4	3-1/2	4-1/8	2-1/16
1-1/2 1-5/8 1-11/16	3-3/8	6	11/16	3-1/4	3-13/16	1	15/16	3/4	3-5/16	1-15/16	3-3/16	4	4-3/4	2-5/16
1-3/4 1-7/8 1-15/16 2	3-1/2	6-5/16	11/16	3-3/4	3-15/16	1	15/16	3/4	3-5/16	1-15/16	3-7/16	4	4-3/4	2-7/16
2-3/16	3-3/4	7-1/8	13/16	3-3/4	4-5/8	1-1/8	1	1-1/4	3-7/8	2-1/4	3-3/4	4-1/2	5-1/4	2-9/16
2-1/4 2-7/16 2-1/2	4	7-13/16	1-1/16	4-1/2	5-1/16	1-1/4	1-1/16	1-1/4	4-1/4	2-1/2	4-1/16	5-1/8	6	2-3/4
2-11/16 2-3/4 2-15/16 3	4-1/2	9-1/8	1-13/16	4-3/4	5-7/8	1-1/2	1-1/8	1-1/2	4-7/8	2-3/4	4-23/32	5-15/16	6-3/4	3

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

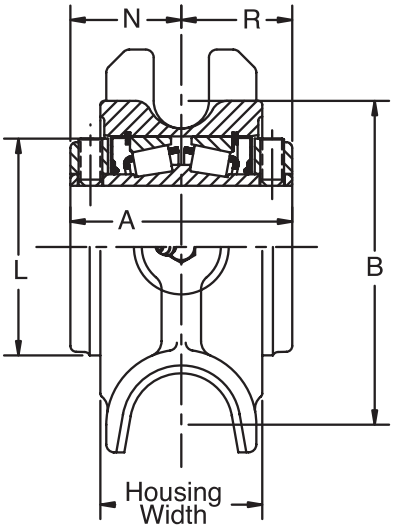
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

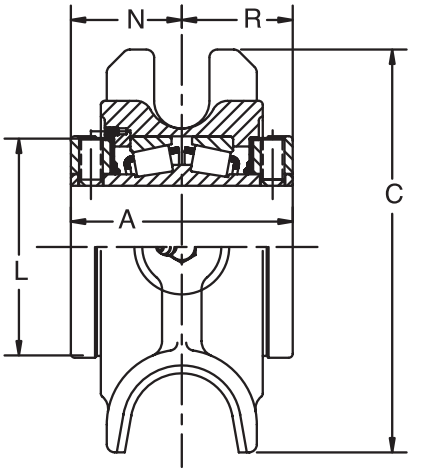
SELECTION/DIMENSIONS

Type E TP Take-Up Bearing - Inch



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





Type E TP Take-Up Bearing - Inch

GRAY IRON				
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)	FRAME SIZE REF.
1-3/4	**023149**	TP-E-112R	14	TP10
1-7/8	**023150**	TP-E-114R	14	TP10
1-15/16	**023151**	TP-E-115R	14	TP10
2	**023152**	TP-E-200R	14	TP10
2-3/16	**023153**	TP-E-203R	16	TP20
2-1/4	**023154**	TP-E-204R	21	TP30
2-7/16	**023155**	TP-E-207R	21	TP30
2-1/2	**023156**	TP-E-208R	21	TP30
2-11/16	**023157**	TP-E-211R	29	TP40
2-3/4	**023158**	TP-E-212R	29	TP40
2-15/16	**023159**	TP-E-215R	29	TP40
3	**023160**	TP-E-300R	29	TP40
3-3/16	**023161**	TP-E-303R	43	TP50
3-1/4	**023162**	TP-E-304R	43	TP50
3-7/16	**023163**	TP-E-307R	42	TP50
3-1/2	**023164**	TP-E-308R	42	TP50
3-15/16	**023165**	TP-E-315R	62	TP60
4	**023166**	TP-E-400R	62	TP60

Consult DODGE For Sizes Not Listed.

Shaft Size	A	B	C	L	N	Housing Width	X	Y
1-3/4 1-7/8 1-15/16 2	3-1/2	5-3/16	6-3/8	3-7/16	1-3/4	2-9/16	6-1/2	6
2 -3/16	3-3/4	5-13/16	6-7/8	3-3/4	1-7/8	2-9/16	6-3/4	7
2 -1/4 2 -7/16 2 -1/2	4	6-1/4	7-7/16	4-1/16	2	3	7-1/2	7
2-11/16 2 -3/4 2-15/16 3	4-1/2	7-3/16	8-5/16	4-23/32	2-1/4	3	8-1/2	8
3-3/16 3-1/4 3-7/16 3-1/2	5	8-5/16	9-5/8	5-1/2	2-1/2	3-3/4	9-1/2	9
3-15/16 4	6-1/4	9-1/16	11	6	3-1/8	4-3/4	11	10-1/2

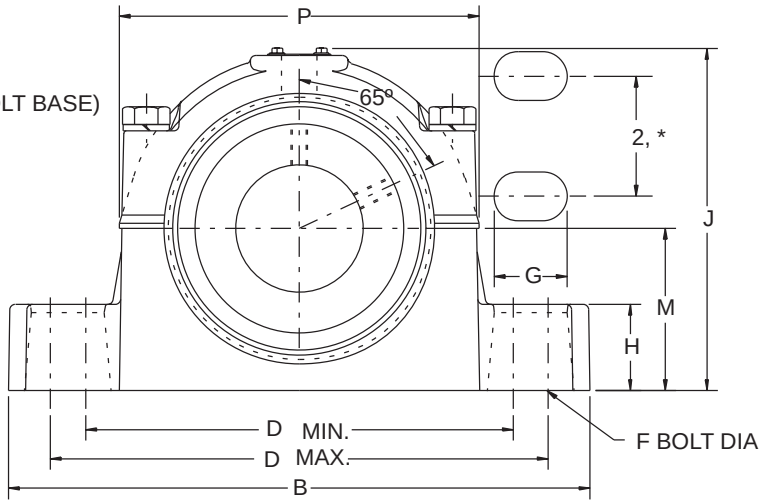
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

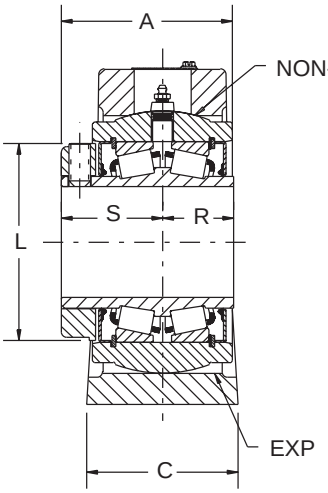
SELECTION/DIMENSIONS

Type K Pillow Block
2 & 4 BOLT BASE - INCH*

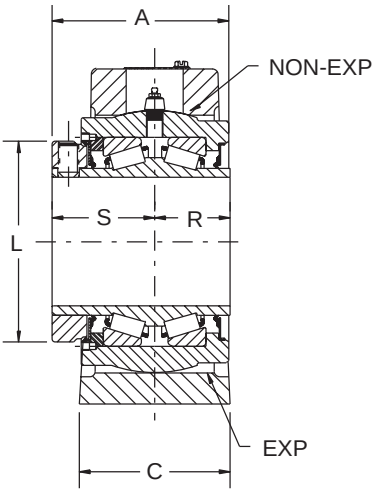
* 1-3/16 THRU 3-1/2 (2 BOLT BASE)
* 3-15/16 (4 BOLT BASE)

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





1-3/16" THRU 3"
CONSTRUCTION



3-3/16" THRU 3-15/16"
CONSTRUCTION

DODGE®

Type K Pillow Block
2 & 4 BOLT BASE - INCH*

GRAY IRON NON-EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023167**	P2B-K-103R	9
1-1/4	**023168**	P2B-K-104R	9
1-7/16	**023170**	P2B-K-107R	11
1-1/2	**023171**	P2B-K-108R	15
1-5/8	**023172**	P2B-K-110R	14
1-11/16	**023173**	P2B-K-111R	14
1-3/4	**023174**	P2B-K-112R	20
1-15/16	**023175**	P2B-K-115R	19
2	**023176**	P2B-K-200R	19
2-3/16	**023177**	P2B-K-203R	24
2-1/4	**023178**	P2B-K-204R	28
2-7/16	**023179**	P2B-K-207R	28
2-1/2	**023180**	P2B-K-208R	28
2-11/16	**023181**	P2B-K-211R	40
2-3/4	**023182**	P2B-K-212R	40
2-15/16	**023183**	P2B-K-215R	39
3	**023184**	P2B-K-300R	39
3-7/16	**023186**	P2B-K-307R	67
3-1/2	**023187**	P2B-K-308R	66
3-15/16 ▲	**023188**	P4B-K-315R	106

Non-Expansion Furnished Unless Otherwise Specified
Consult DODGE For Sizes Not Listed

GRAY IRON EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023189**	P2B-K-103RE	9
1-1/4	**023190**	P2B-K-104RE	9
1-7/16	**023192**	P2B-K-107RE	11
1-1/2	**023193**	P2B-K-108RE	15
1-5/8	**023194**	P2B-K-110RE	14
1-11/16	**023195**	P2B-K-111RE	14
1-3/4	**023196**	P2B-K-112RE	20
1-15/16	**023197**	P2B-K-115RE	19
2	**023198**	P2B-K-200RE	19
2-3/16	**023199**	P2B-K-203RE	24
2-1/4	**023200**	P2B-K-204RE	28
2-7/16	**023201**	P2B-K-207RE	28
2-1/2	**023200**	P2B-K-208RE	28
2-11/16	**023203**	P2B-K-211RE	40
2-3/4	**023204**	P2B-K-212RE	40
2-15/16	**023205**	P2B-K-215RE	39
3	**023206**	P2B-K-300RE	39
3-7/16	**023208**	P2B-K-307RE	67
3-1/2	**023209**	P2B-K-308RE	66
3-15/16 ▲	**023210**	P4B-K-315RE	106

Consult DODGE For Sizes Not Listed

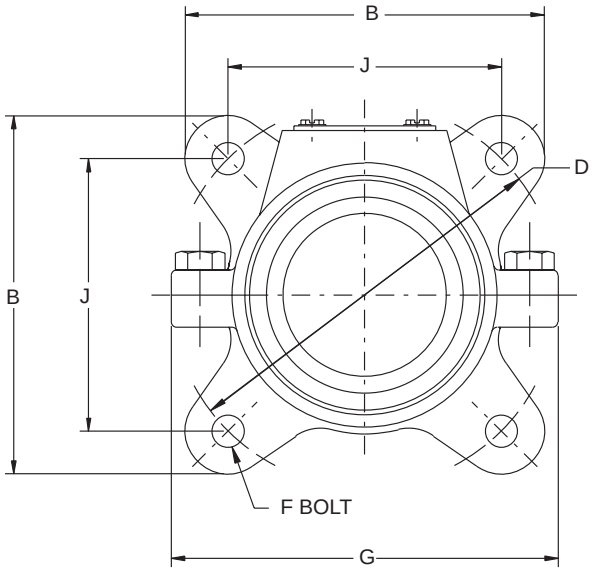
SHAFT SIZE INCHES	A	B	C	D		F BOLT DIA	G	H	J	L	M	P	R	S	EXP*
				MIN.	MAX.										
1-3/16 1-1/4	2-9/32	7-1/2	1-7/8	6	6-3/8	3/8	11/16	1	4-17/32	2-1/4	2-1/8	5	1	1-3/8	3/32
1-3/8 1-7/16	2-35/64	8	2-3/16	6-1/4	6-5/8	1/2	3/4	1-1/4	5-15/64	2-3/4	2-3/8	5-33/64	1-1/32	1-1/2	3/32
1-1/2 1-5/8 1-11/16	2-53/64	9	2-3/8	6-7/8	7-5/8	1/2	1	1-3/8	5-3/4	3-3/16	2-5/8	5-13/16	1-9/16	1-11/16	3/32
1-3/4 1-15/16 2	2-61/64	10	2-17/32	7-3/8	8-7/16	5/8	1-19/64	1-1/2	6-17/64	3-7/16	2-7/8	6-23/64	1-13/64	1-3/4	9/32
2-3/16	3-5/32	11	2-21/32	8-1/16	9-1/4	5/8	1-21/64	1-1/2	6-33/64	3-3/4	3	6-61/64	1-1/4	1-7/8	9/32
2-1/4 2-7/16 2-1/2	3-11/32	12	2-13/16	9-1/4	10-1/4	5/8	1-17/64	1-3/4	7-1/32	4-1/16	3-1/4	7-3/8	1-5/16	2	9/32
2-11/16 2-3/4 2-15/16 3	3-25/32	13-7/16	2-15/16	9-7/8	11-1/2	3/4	1-11/16	2	7-59/64	4-23/32	3-3/4	8-5/16	1-7/16	2-1/4	9/32
3-3/16 3-7/16 3-1/2	4-17/64	16	3-7/16	12-13/16	13-13/16	7/8	1-1/2	2-1/4	9-27/64	5-1/2	4-1/2	10-3/32	1-11/16	2-1/2	9/32
3-15/16▲	5-13/32	17-7/16	4-3/4	13-1/8	14-3/4	3/4	1-45/64	2-3/4	10-27/64	6	5	10-45/64	2-1/8	3-1/8	11/32

*Exp-Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearings Only)
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting
▲ 4 Bolt Base (See Page For Bolts Spacing)
Dowel Hole Locations For Precision Positioning - See Page -

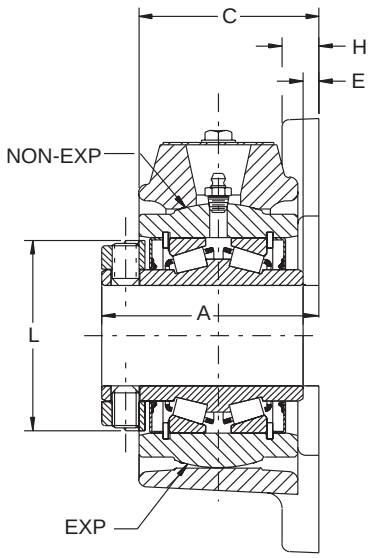
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

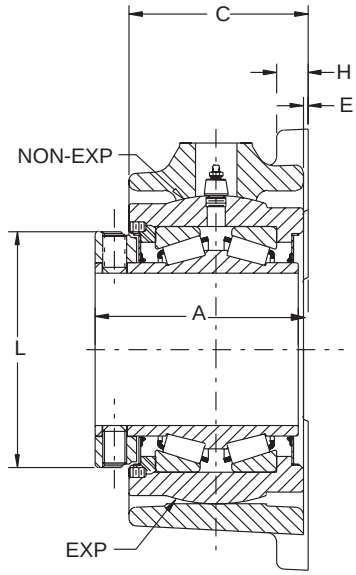
Type K Flange Bearing - Inch



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



1-3/16" THRU 3" INTERNAL CONSTRUCTION



3-3/16" THRU 3-15/16" INTERNAL CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

Type K Flange Bearing - Inch

DUCTILE IRON - NON-EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-1/4	**023212**	F4B-K-104R	6
1-7/16	**023214**	F4B-K-107R	7
1-1/2	**023215**	F4B-K-108R	12
1-15/16	**023219**	F4B-K-115R	14
2	**023220**	F4B-K-200R	14
2-3/16	**023221**	F4B-K-203R	17
2-7/16	**023223**	F4B-K-207R	20
2-1/2	**023224**	F4B-K-208R	20
2-15/16	**023227**	F4B-K-215R	24
3	**023228**	F4B-K-300R	24
3-7/16	**023230**	F4B-K-307R	45
3-15/16	**023232**	F4B-K-315R	72

Non-Expansion Furnished Unless Otherwise Specified

Consult DODGE For Sizes Not Listed.

DUCTILE IRON - EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-1/4	**023234**	F4B-K-104RE	6
1-7/16	**023236**	F4B-K-107RE	7
1-1/2	**023237**	F4B-K-108RE	12
1-15/16	**023241**	F4B-K-115RE	14
2	**023242**	F4B-K-200RE	14
2-3/16	**023243**	F4B-K-203RE	17
2-7/16	**023245**	F4B-K-207RE	20
2-1/2	**023246**	F4B-K-208RE	20
2-15/16	**023249**	F4B-K-215RE	24
3	**023250**	F4B-K-300RE	24
3-7/16	**023252**	F4B-K-307RE	45
3-15/16	**023254**	F4B-K-315RE	72

Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D	E	F Bolt Dia.	G	H	J	L	EXP*
1-3/16 1-1/4	2-9/16	5-3/16	2-1/8	5-21/32	3/16	3/8	5-1/4	7/16	4	2-1/4	9/32
1-3/8 1-7/16	2-11/16	5-3/4	2-1/8	6-1/4	5/32	1/2	5-3/4	1/2	4-27/64	2-3/4	3/16
1-1/2 1-5/8 1-11/16	3	6-1/8	2-7/16	6-3/4	5/32	1/2	6-3/4	1/2	4-25/32	3-3/16	3/16
1-3/4 1-15/16 2	3-1/8	6-7/8	2-9/16	7-1/2	5/32	5/8	7-1/4	9/16	5-5/16	3-7/16	3/16
2-3/16	3-5/16	7-3/16	2-23/32	8	5/32	5/8	7-13/16	9/16	5-21/32	3-3/4	3/16
2-1/4 2-7/16 2-1/2	3-9/16	7-5/8	2-59/64	8-1/2	1/4	5/8	8-9/16	5/8	6	4-1/16	5/16
2-11/16 2-3/4 2-15/16 3	4	8-7/8	3-11/32	9-3/4	1/4	3/4	9-1/2	11/16	6-57/64	4-23/32	5/16
3-3/16 3-7/16 3-1/2	4-1/2	10-1/4	3-23/32	11-1/2	1/4	7/8	11-3/8	3/4	8-1/8	5-1/2	5/16
3-15/16	5-1/2	11-7/16	4-5/8	13	1/8	1	12-7/8	13/16	9-3/16	6	5/16

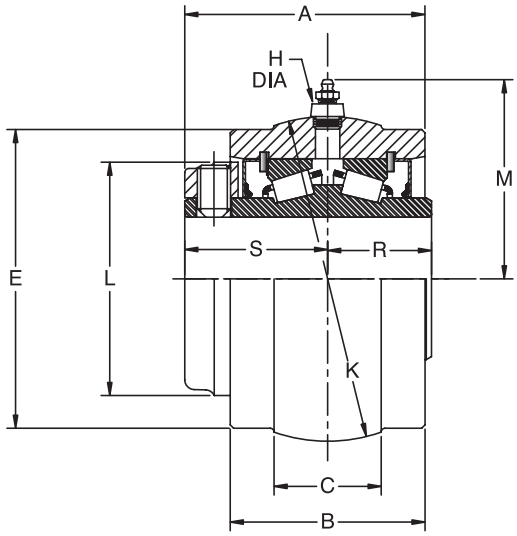
* ExpTotal Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearings Only)

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

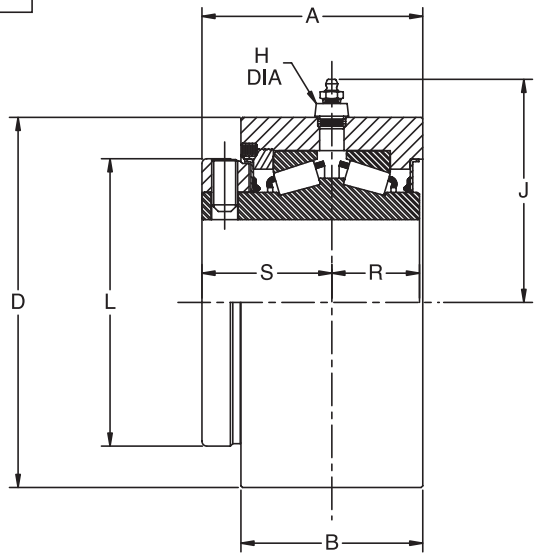
SELECTION/DIMENSIONS

Type K Units - Inch



S-1 UNIT
1-3/16" THRU 3" CONSTRUCTION

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



B-1 UNIT
3-3/16" THRU 3-15/16" CONSTRUCTION

Type K Units - Inch

TYPE S-1 UNITS -- GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023271**	S1U-K-103R	3
1-1/4	**023272**	S1U-K-104R	3
1-3/8	**023273**	S1U-K-106R	4
1-7/16	**023274**	S1U-K-107R	4
1-1/2	**023275**	S1U-K-108R	5
1-5/8	**023276**	S1U-K-110R	5
1-11/16	**023277**	S1U-K-111R	5
1-3/4	**023278**	S1U-K-112R	7
1-15/16	**023279**	S1U-K-115R	7
2	**023280**	S1U-K-200R	7
2-3/16	**023281**	S1U-K-203R	9
2-1/4	**023282**	S1U-K-204R	11
2-7/16	**023283**	S1U-K-207R	11
2-1/2	**023284**	S1U-K-208R	11
2-11/16	**023285**	S1U-K-211R	15
2-3/4	**023286**	S1U-K-212R	15
2-15/16	**023287**	S1U-K-215R	15
3	**023288**	S1U-K-300R	15
3-3/16	**023289**	S1U-K-303R	28
3-7/16	**023290**	S1U-K-307R	28
3-1/2	**023291**	S1U-K-308R	28
3-15/16	**023292**	S1U-K-315R	40

Consult DODGE For Sizes Not Listed.

TYPE B-1 UNITS -- GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	------	B1U-K-103R	3
1-1/4	------	B1U-K-104R	3
1-3/8	**023293**	B1U-K-106R	4
1-7/16	**023294**	B1U-K-107R	4
1-1/2	**023295**	B1U-K-108R	5
1-5/8	**023296**	B1U-K-110R	5
1-11/16	**023297**	B1U-K-111R	5
1-3/4	**023298**	B1U-K-112R	7
1-15/16	**023299**	B1U-K-115R	7
2	**023300**	B1U-K-200R	7
2-3/16	**023301**	B1U-K-203R	9
2-1/4	**023302**	B1U-K-204R	11
2-7/16	**023303**	B1U-K-207R	11
2-1/2	**023304**	B1U-K-208R	11
2-11/16	**023305**	B1U-K-211R	15
2-3/4	**023306**	B1U-K-212R	15
2-15/16	**023307**	B1U-K-215R	15
3	**023308**	B1U-K-300R	15
3-3/16	**023309**	B1U-K-303R	28
3-7/16	**023310**	B1U-K-307R	28
3-1/2	**023311**	B1U-K-308R	28
3-15/16	**023312**	B1U-K-315R	40

Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D *	E% MACHINE SIDE	E% CAST SIDE	H	J	K **	L	M	R	S
1-3/16 1-1/4	2-5/16	1-7/8	1-1/32	----	2.813	3-1/8	7/16	----	3.125	2-1/4	2-1/32	1	1-3/8
1-3/8 1-7/16	2-17/32	2-1/16	1-5/32	3-7/16	3.250	3-5/16	11/16	2-5/8	3.625	2-3/4	2-5/8	1-1/32	1-1/2
1-1/2 1-5/8 1-11/16	2-27/32	2-5/16	1-3/16	3-15/16	3.750	3-13/16	11/16	2-7/8	4.125	3-3/16	2-13/16	1-5/32	1-11/16
1-3/4 1-15/16 2	2-31/32	2-7/16	1-1/2	4-1/4	4.125	4-3/16	11/16	3	4.562	3-7/16	3-1/16	1-13/64	1-3/4
2-3/16	3-5/32	2-9/16	1-9/16	4-5/8	4.500	4-9/16	11/16	3-1/4	5.000	3-3/4	3-1/4	1-1/4	1-7/8
2-1/4 2-7/16 2-1/2	3-3/8	2-3/4	1-7/16	5	4.812	4-7/8	11/16	3-7/16	5.186	4-1/16	3-3/8	1-5/16	2
2-11/16 2-3/4 2-15/16 3	3-3/4	3	1-7/8	5-7/8	5.563	5-5/8	11/16	3-7/8	6.061	4-23/32	3-13/16	1-7/16	2-1/4
3-3/16 3-7/16 3-1/2	4-1/4	3-1/2	2	7-1/8	6.813	6-7/8	11/16	4-1/2	7.373	5-1/2	4-1/2	1-11/16	2-1/2
3-15/16	5-3/8	4-1/2	2-3/8	7-7/8	7.438	7-1/2	15/16	5-1/2	7.997	6	5-5/32	2-1/8	3-1/8

* +.000 -.002,"

** +.000 -.001 SIZES 1-3/16 THRU 3,"
±.0005, SIZES 3-3/16 THRU 3-15/16,"

ALL DIMENSIONS SHOWN IN INCHES

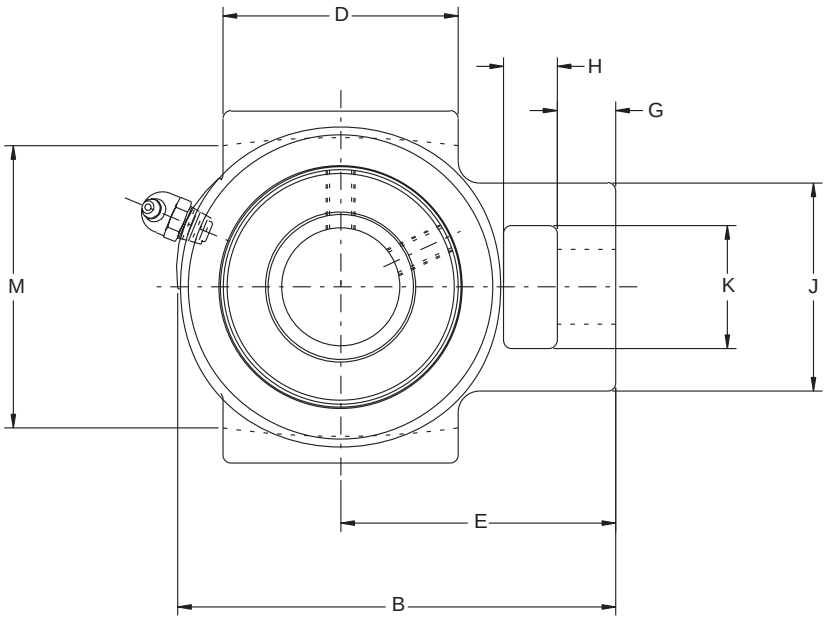
% Machined side of unit is on collar side only.

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

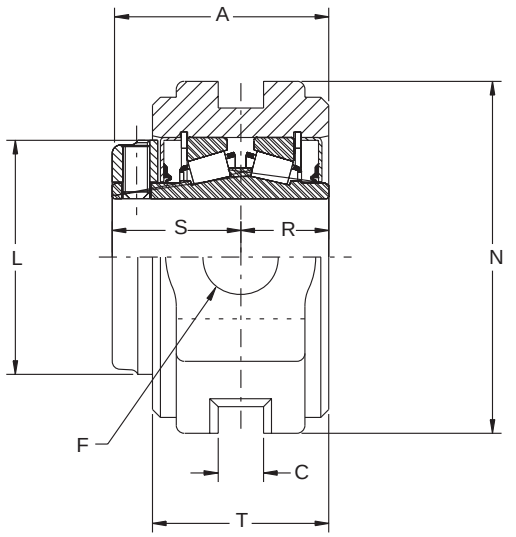
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

Type K Wide Slot Take-Up Unit - Inch



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



1-3/8" THRU 3" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

Type K Wide Slot Take-Up Unit - Inch

GRAY IRON				
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)	CP FRAME SIZE
1-7/16	**023256**	WSTU-K-107R	8	CP308
1-15/16	**023261**	WSTU-K-115R	11	CP400
2-3/16	**023263**	WSTU-K-203R	15	CP408
2-7/16	**023265**	WSTU-K-207R	20	CP502
2-1/2	**023266**	WSTU-K-208R	20	
2-15/16	**023269**	WSTU-K-215R	28	CP515
3	**023270**	WSTU-K-300R	28	

Consult DODGE For Sizes Not Listed.

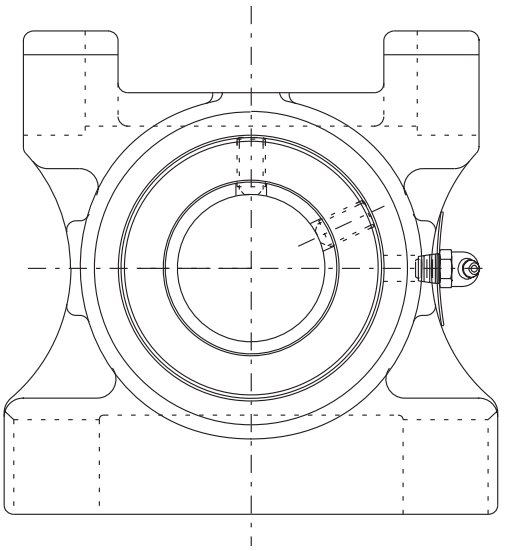
SHAFT SIZE Inches	A	B	C	D	E	F SCREW DIA	G	H	J	K	L	M	N	R	S	T
1-7/16	2-17/32	5-3/32	17/32	2-3/4	3-7/32	3/4	11/16	5/8	2-7/16	1-7/16	2-3/4	3-1/2	4-1/8	1-1/32	1-1/2	2-1/16
1-15/16	2-31/32	6-5/16	11/16	3-3/4	3-15/16	1	15/16	3/4	3-5/16	1-15/16	3-7/16	4	4-3/4	1-13/64	1-3/4	2-7/16
2-3/16	3-5/32	7-1/8	13/16	3-3/4	4-5/8	1-1/8	1	1-1/4	3-7/8	2-1/4	3-3/4	4-1/2	5-1/4	1-1/4	1-7/8	2-9/16
2-7/16 2-1/2	3-3/8	7-13/16	1-1/16	4-1/2	5-1/16	1-1/2	1-1/16	1-1/4	4-1/4	2-1/2	4-1/16	5-1/8	6	1-5/16	2	2-3/4
2-15/16 3	3-3/4	9-1/8	1-13/16	4-3/4	5-7/8	1-1/2	1-3/8	1-1/2	4-7/8	2-3/4	4-23/32	5-15/16	6-3/4	1-7/16	2-1/4	3

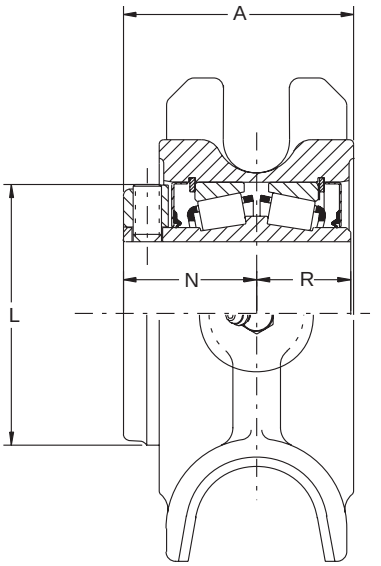
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

SELECTION/DIMENSIONS

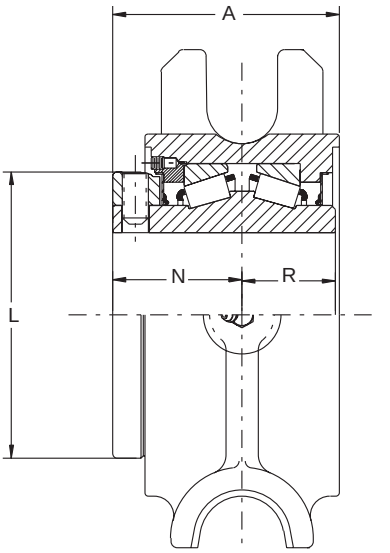
Type K TP Take-Up Bearing - Inch

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





1-3/16" THRU 3" INTERNAL CONSTRUCTION



3-3/16" THRU 3-15/16" INTERNAL CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

Type K TP Take-Up Bearing - Inch

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-15/16	**023314**	TP-K-115R	13
2-3/16	**023316**	TP-K-203R	16
2-7/16	**023318**	TP-K-207R	20
2-15/16	**023322**	TP-K-215R	27
3-7/16	**023325**	TP-K-307R	40
3-15/16	**023327**	TP-K-315R	59

Consult DODGE For Sizes Not Listed.

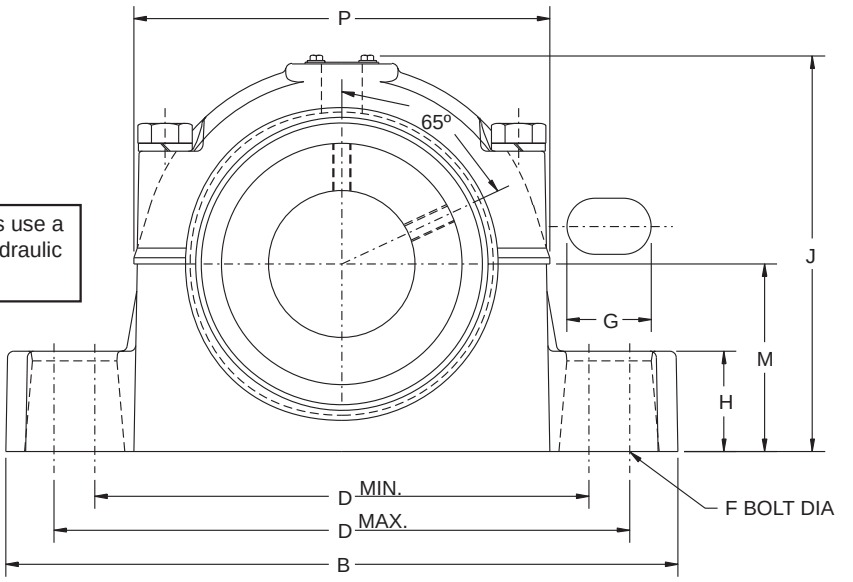
SHAFT SIZE INCHES	FRAME SIZE REF.	A	L	N	R
1-15/16	TP10	3-1/32	3-7/16	1-3/4	1-7/32
2-3/16	TP20	3-3/16	3-3/4	1-7/8	1-1/4
2-7/16	TP30	3-1/2	4-1/16	2	1-5/16
2-15/16	TP40	3-3/4	4-23/32	2-1/4	1-7/16
3-7/16	TP50	4-9/32	5-1/2	2-13/32	1-25/32
3-15/16	TP60	5-1/2	6	3-1/8	2-1/8

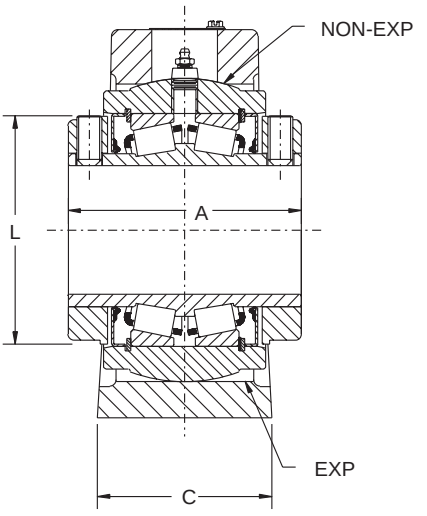
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

SELECTION/DIMENSIONS

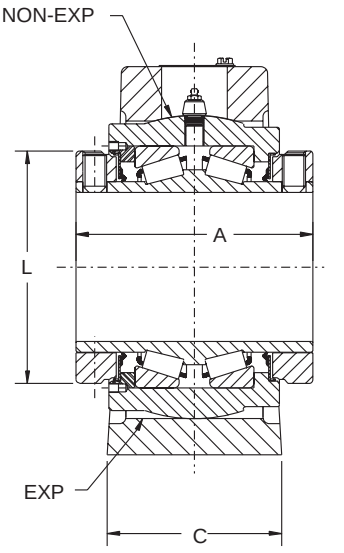
DOUBLE-INTERLOCK Pillow Block - Inch
2-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





1-3/16" THRU 3" CONSTRUCTION



3-3/16" THRU 3-1/2" CONSTRUCTION

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

DOUBLE-INTERLOCK Pillow Block - Inch

2-BOLT BASE

GRAY IRON NON-EXPANSION					
SHAFT SIZE INCHES#	SHAFT SIZE SYMBOL	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK. WT., APRX LBS
1-1/4	104	**023329**	**056130**	**023508**	9
1-3/8	106	**023330**	**056132**	**023509**	11
1-7/16	107	**023331**	**056132**	**023510**	11
1-1/2	108	**023332**	**056134**	**023511**	15
1-5/8	110	**023333**	**056134**	**023512**	15
1-11/16	111	**023334**	**056134**	**023513**	15
1-3/4	112	**023335**	**056136**	**023514**	18
1-15/16	115	**023337**	**056136**	**023516**	17
2	200	**023338**	**056136**	**023517**	17
2-3/16	203	**023339**	**056138**	**023518**	25
2-1/4	204	**023340**	**056140**	**023519**	29
2-7/16	207	**023341**	**056140**	**023520**	26
2-1/2	208	**023342**	**056140**	**023521**	26
2-11/16	211	**023343**	**056142**	**023522**	41
2-3/4	212	**023344**	**056142**	**023523**	41
2-15/16	215	**023345**	**056142**	**023524**	40
3	300	**023346**	**056142**	**023525**	40
3-3/16	303	**023347**	**056144**	**023526**	67
3-7/16	307	**023349**	**056144**	**023528**	66
3-1/2	308	**023350**	**056144**	**023529**	66

Description = P2B-DI-207R For 2-7/16" Size
# Consult DODGE For Sizes Not Listed.
Non-Expansion Furnished Unless Otherwise Specified

GRAY IRON EXPANSION					
SHAFT SIZE INCHES#	SHAFT SIZE SYMBOL	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK. WT., APRX LBS
1-1/4	104	**023376**	**056100**	**023508**	9
1-3/8	106	**023377**	**056102**	**023509**	11
1-7/16	107	**023378**	**056102**	**023510**	11
1-1/2	108	**023379**	**056104**	**023511**	15
1-5/8	110	**023380**	**056104**	**023512**	15
1-11/16	111	**023381**	**056104**	**023513**	15
1-3/4	112	**023382**	**056106**	**023514**	18
1-15/16	115	**023384**	**056106**	**023516**	17
2	200	**023385**	**056106**	**023517**	17
2-3/16	203	**023386**	**056108**	**023518**	22
2-1/4	204	**023387**	**056110**	**023519**	29
2-7/16	207	**023388**	**056110**	**023520**	26
2-1/2	208	**023389**	**056110**	**023521**	26
2-11/16	211	**023390**	**056112**	**023522**	42
2-3/4	212	**023391**	**056112**	**023523**	42
2-15/16	215	**023392**	**056112**	**023524**	41
3	300	**023393**	**056112**	**023525**	41
3-3/16	303	**023394**	**056114**	**023526**	69
3-7/16	307	**023396**	**056114**	**023528**	68
3-1/2	308	**023397**	**056114**	**023529**	68

Description = P2B-DI-207RE For 2-7/16" Size
# Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D		F BOLT DIA.	G	H	J	L	M	P	EXP*
				MIN.	MAX.								
1-1/4	2-3/4	7-1/2	1-7/8	6	6-3/8	3/8	43/64	1	4-17/32	2-1/4	2-1/8	5	3/32
1-3/8 1-7/16	3	8	2-3/16	6-1/4	6-5/8	1/2	3/4	1-1/4	5-15/64	2-3/4	2-3/8	5-33/64	3/32
1-1/2 1-5/8 1-11/16	3-3/8	9	2-3/8	6-7/8	7-5/8	1/2	1	1-3/8	5-3/4	3-3/16	2-5/8	5-13/16	3/32
1-3/4 1-15/16 2	3-1/2	10	2-17/32	7-3/8	8-7/16	5/8	1-19/64	1-1/2	6-17/64	3-7/16	2-7/8	6-23/64	9/32
2-3/16	3-3/4	11	2-21/32	8-1/16	9-1/4	5/8	1-21/64	1-1/2	6-33/34	3-3/4	3	6-31/32	9/32
2-1/4 2-7/16 2-1/2	4	12	2-13/16	9-17/64	10-1/4	5/8	1-17/64	1-3/4	7-1/32	4-1/16	3-1/4	7-3/8	9/32
2-11/16 2-3/4 2-15/16 3	4-1/2	13-7/16	2-15/16	9-7/8	11-1/2	3/4	1-11/16	2	7-59/64	4-23/32	3-3/4	8-5/16	9/32
3-3/16 3-7/16 3-1/2	5	16	3-7/16	12-13/16	13-13/16	7/8	1-1/2	2-1/4	9-27/64	5-1/2	4-1/2	10-3/32	9/32

* EXP - Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearings Only)
Dowel Hole Locations For Precision Positioning - See Page -

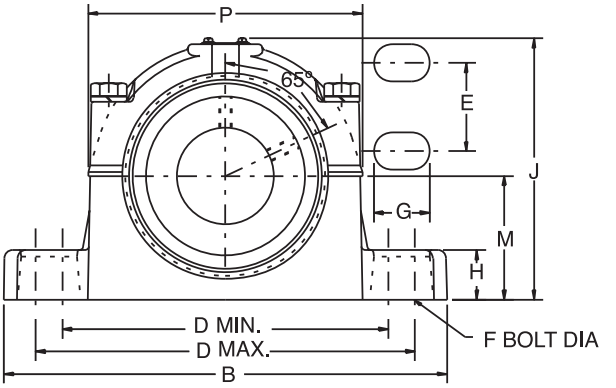
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

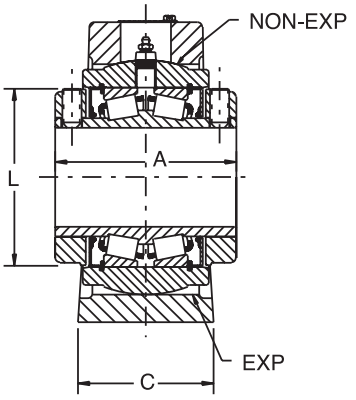
SELECTION/DIMENSIONS

DOUBLE-INTERLOCK Pillow Block - Inch
4-BOLT BASE

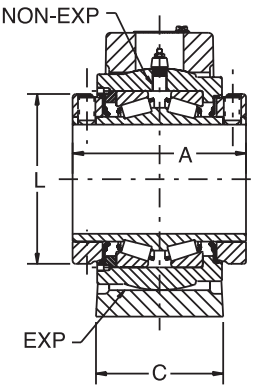
NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



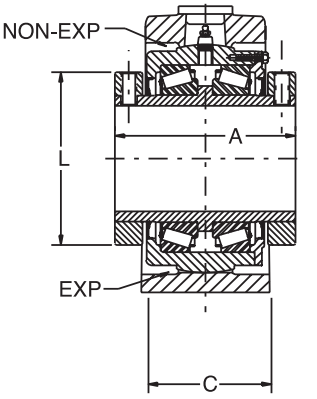
2-7/16" THRU 5"
CONSTRUCTION



2-7/16" THRU 3"
CONSTRUCTION



3-7/16" THRU 5"
CONSTRUCTION



5-7/16" THRU 5-15/16"
CONSTRUCTION

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DOUBLE-INTERLOCK Pillow Block - Inch
4-BOLT BASE

GRAY IRON NON EXPANSION					
SHAFT SIZE INCHES#	SHAFT SIZE SYMBOL	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK. WT.,APRX LBS
2-7/16	207	**023352**	**060745**	**023520**	28
2-1/2	208	**023353**	**060745**	**023521**	28
2-11/16	211	**023354**	**060747**	**023522**	38
2-15/16	215	**023356**	**060747**	**023524**	38
3	300	**023357**	**060747**	**023525**	38
3-7/16	307	**023360**	**060749**	**023528**	69
3-1/2	308	**023361**	**060749**	**023529**	69
3-15/16	315	**023362**	**060751**	**023530**	109
4	400	**023363**	**060751**	**023531**	109
4-7/16	407	**023364**	**060753**	**023532**	139
4-1/2	408	**023365**	**060753**	**023533**	135
4-15/16	415	**023366**	**060755**	**023534**	183
5	500	**023367**	**060755**	**023535**	181
5-7/16	507	**023368**	**060579**	**023536**	310
5-15/16	515	**023369**	**060579**	**023537**	299

GRAY IRON EXPANSION					
SHAFT SIZE INCHES#	SHAFT SIZE SYMBOL	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK. WT.,APRX LBS
2-7/16	207	**023399**	**060746**	**023520**	28
2-1/2	208	**023400**	**060746**	**023521**	28
2-11/16	211	**023401**	**060748**	**023522**	38
2-15/16	215	**023403**	**060748**	**023524**	38
3	300	**023404**	**060748**	**023525**	38
3-7/16	307	**023407**	**060750**	**023528**	69
3-1/2	308	**023408**	**060750**	**023529**	69
3-15/16	315	**023409**	**060752**	**023530**	110
4	400	**023410**	**060752**	**023531**	110
4-7/16	407	**023411**	**060754**	**023532**	139
4-1/2	408	**023412**	**060754**	**023533**	135
4-15/16	415	**023413**	**060756**	**023534**	181
5	500	**023414**	**060756**	**023535**	179
5-7/16	507	**023415**	**060578**	**023536**	310
5-15/16	515	**023416**	**060578**	**023537**	299

Non-Expansion Furnished Unless Otherwise Specified

Consult DODGE For Sizes Not Listed.

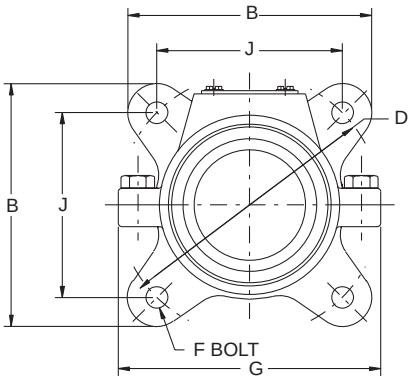
SHAFT SIZE INCHES	A	B	C	D		E	F BOLT DIA	G	H	J	L	M	P	EXP*
				MIN.	MAX									
2-7/16 2-1/2	4	12	3-3/8	9-17/64	10-1/4	1-3/4	1/2	1-1/16	1-3/4	7-1/32	4-1/16	3-1/4	7-3/8	9/32
2-11/16 2-15/16 3	4-1/2	13-7/16	3-1/2	9-7/8	11-1/2	1-7/8	5/8	1-9/16	2	7-59/64	4-23/32	3-3/4	8-5/16	9/32
3-7/16 3-1/2	5	16	4	12-13/16	13-13/16	2	3/4	1-29/64	2-1/4	9-27/64	5-1/2	4-1/2	10-3/32	9/32
3-15/16 4	6-1/4	17-7/16	4-3/4	13-1/8	14-3/4	2	3/4	1-45/64	2-3/4	10-27/64	6	5	10-45/64	11/32
4-7/16 4-1/2	6-3/4	19	4-5/8	14-3/8	16-1/4	2-1/4	3/4	1-13/16	3	11-37/64	6-29/64	5-3/4	12-29/64	11/32
4-15/16 5	7-1/4	20-1/2	5-1/8	15-1/2	18-1/16	2-1/2	7/8	2-9/32	3-1/4	12-53/64	7-29/64	6-1/4	13-23/64	11/32
5-7/16 5-15/16	9	23-11/16	6-1/4	19	20-5/8	3	1	1-15/16	3-1/2	14-19/32	9-3/8	7-1/8	15-1/8	1/2

*EXP - Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearings Only) **NOTE:** All sizes use a 1/8-27 NPT hydraulic grease fitting

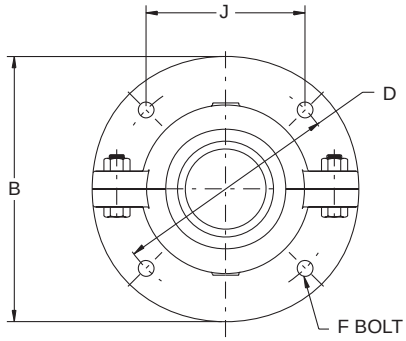
Dowel Hole Locations For Precision Positioning - See Page -

SELECTION/DIMENSIONS

DOUBLE-INTERLOCK Flange Bearing - Inch

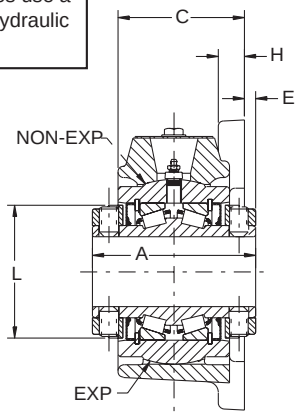


1-3/16" THRU 4" EXTERNAL CONSTRUCTION

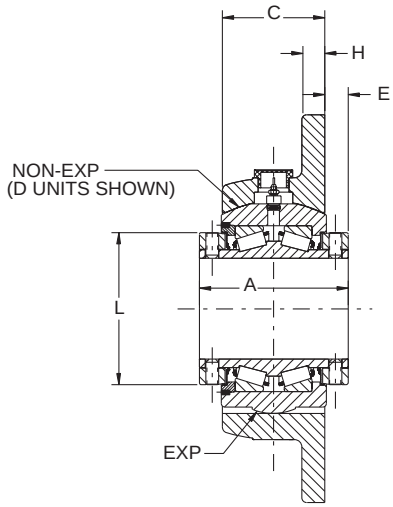


4-7/16" THRU 5" EXTERNAL CONSTRUCTION

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



1-3/16" THRU 3" INTERNAL CONSTRUCTION



3-3/16" THRU 5" INTERNAL CONSTRUCTION OF UNIT

* 4-7/16", 4-1/2", 4-15/16" & 5" NON-EXPANSION HOUSINGS USE THE D UNIT

ALL OTHER HOUSING EXPANSION & NON-EXPANSION USE THE S1 UNIT

DOUBLE-INTERLOCK Flange Bearing - Inch

DUCTILE IRON NON-EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**023425**	F4B-DI-107R	9
1-15/16	**023431**	F4B-DI-115R	15
2	**023432**	F4B-DI-200R	15
2-3/16	**023433**	F4B-DI-203R	19
2-7/16	**023435**	F4B-DI-207R	22
2-1/2	**023436**	F4B-DI-208R	22
2-15/16	**023439**	F4B-DI-215R	32
3	**023440**	F4B-DI-300R	31
3-7/16	**023443**	F4B-DI-307R	53
3-15/16	**023445**	F4B-DI-315R	82
4-7/16 ◊	**023447**	F4B-DI-407R	158
4-1/2 ◊	**023448**	F4B-DI-408R	158
4-15/16 ◊	**023449**	F4B-DI-415R	220

DUCTILE IRON EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**023454**	F4B-DI-107RE	9
1-15/16	**023460**	F4B-DI-115RE	15
2	**023461**	F4B-DI-200RE	15
2-3/16	**023462**	F4B-DI-203RE	19
2-7/16	**023464**	F4B-DI-207RE	22
2-1/2	**023465**	F4B-DI-208RE	22
2-15/16	**023468**	F4B-DI-215RE	32
3	**023469**	F4B-DI-300RE	31
3-7/16	**023472**	F4B-DI-307RE	53
3-15/16	**023474**	F4B-DI-315RE	82
4-7/16 ◊	**023476**	F4B-DI-407RE	158
4-1/2 ◊	**023477**	F4B-DI-408RE	158
4-15/16 ◊	**023478**	F4B-DI-415RE	220

Non-Expansion Furnished Unless Otherwise Specified

Consult DODGE For Sizes Not Listed.

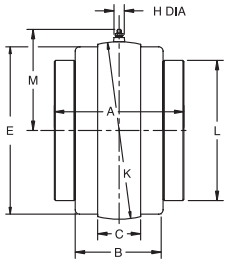
◊ 4-7/16" - 5" Housings Are Made Of Cast Iron

SHAFT SIZE INCHES	A	B	C	D	E	F Bolt Dia.	G	H	J	L
1-7/16	3	5-3/4	2-1/8	6-1/4	5/16	1/2	5-3/4	1/2	4-27/64	2-3/4
1-15/16 2	3-1/2	6-7/8	2-9/16	7-1/2	3/8	5/8	7-1/4	9/16	5-5/16	3-7/16
2-3/16	3-3/4	7-3/16	2-23/32	8	7/16	5/8	7-13/16	9/16	5-21/32	3-3/4
2-7/16 2-1/2	4	7-5/8	2-15/16	8-1/2	7/16	5/8	8-9/16	5/8	6	4-1/16
2-15/16 3	4-1/2	8-7/8	3-11/32	9-3/4	1/2	3/4	9-1/2	11/16	6-57/64	4-23/32
3-7/16	5	10-1/4	3-23/32	11-1/2	1/2	7/8	11-3/8	3/4	8-1/8	5-1/2
3-15/16	6-1/4	11-7/16	4-5/8	13	3/4	1	12-7/8	13/16	9-3/16	6
4-7/16 4-1/2	6-3/4	17-3/4	4-5/8	15	1-1/16	1	-----	1	10-39/64	6-29/64
4-15/16	7-1/4	19	5	16	1-1/8	1-1/8	-----	1-1/8	11-5/16	7-29/64

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

SELECTION/DIMENSIONS

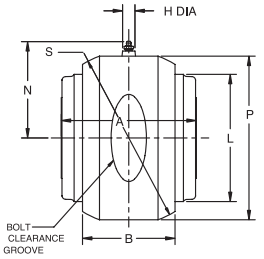
DOUBLE-INTERLOCK Units - Inch



S-1 UNIT

Pillow Block
S-1 units are used in expansion and non-expansion pillow block housings

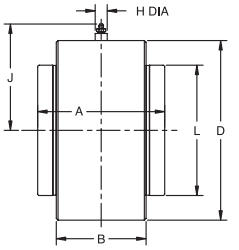
Flange
S-1 unit is used in expansion flange housings and non-expansion flange housings for 1-3/16 - 4”



D UNIT

Flange
D units are used in non-expansion flange housings

- 4-7/16 - 5” bore size
- Formerly used in DOUBLE-INTERLOCK non-expansion flange bearing and pillow blocks thru 5 bore size prior to ‘78



B-1 UNIT

B-1 units can only be used in a customer manufactured housing and are often mounted in machines where bored holes can be provided. B-1 units can be used either as a non-expansion or expansion bearing by providing a suitable means of locating the unit axially. B-1 units will handle slight misalignment requirements. Shaft must be supported by another unit or bearing. For mounting in rotating wheels the Type C

B-1 units is preferred or consult the factory.

SHAFT SIZE INCHES	A	B	C	σ D	E		H	J	K	L	M	N	P	S
					MACH. SIDE	CAST SIDE								
1-3/16 1-1/4	2-3/4	1-7/8	1-1/32	3	2.813	2-9/32	**	2.42	3.125 •	2-1/4	2.03	---	---	---
1-3/8 1-7/16	3	2-1/16	1-5/32	3-7/16	3.250	3-5/16	11/16	2.54	3.625 •	2-3/4	2.64	2-7/8	3-5/8	3.844 •
1-1/2 1-5/8 1-11/16	3-3/8	2-5/16	1-3/16	3-15/16	3.750	3-13/16	11/16	2.79	4.125 •	3-3/16	2.89	3-1/8	4-3/32	4.344 •
1-3/4 1-7/8 1-15/16 2	3-1/2	2-7/16	1-1/2	4-1/4	4.125	4-3/16	11/16	2.95	4.562 •	3-7/16	3.10	3-1/4	4-7/16	4.656 •
2-3/16	3-3/4	2-9/16	1-9/16	45/8	4.500	4-5/8	11/16	3.13	5.000 •	3-3/4	3.32	3-7/16	4-23/32	5.000 •
2-1/4 2-7/16 2-1/2	4	2-3/4	1-7/16	5	4.812	4-7/8	11/16	3.32	5.186 •	4-1/16	3.41	3-37/64	5-5/32	5.437 •
2-11/16 2-3/4 2-15/16 3	4-1/2	3	1-7/8	5-7/8	5.563	5-5/8	11/16	3.76	6.061 •	4-23/32	3.85	4	5-13/16	6.094 •
3-3/16 3-1/4 3-7/16 3-1/2	5	3-1/2	2	7-1/8	6.813	6-7/8	11/16	4.38	7.373#	5-1/2	4.51	4-11/16	7-7/32	7.500 ^
3-15/16 4	6-1/4	4-1/2	2-3/8	7-7/8	7.438	7-1/2	*	5.48	7.997#	6	5.16	5-1/8	8-1/8	8.375 ^
4-7/16 4-1/2	6-3/4	4-5/8	2-3/8	8-3/4	8.313	8-3/8	*	5.91	8.872#	6-29/64	5.60	5-1/2	8-7/8	9.125 ^
4-15/16 5	7-1/4	5-1/8	2-7/8	10-1/8	9.563	9-5/8	*	6.6	10.184#	7-29/64	6.26	6-3/16	10-1/4	10.500 ^
5-7/16 5-15/16 6	9	6-1/16	2-7/8	---	11.188	11-3/16	15/16	---	11.874	9-3/8	7.10	---	---	---
6-7/16 6-1/2 6-15/16 7	10-1/2	7-1/8	3	---	13.25	13-1/4	15/16	---	14.248	11-3/8	8.29	---	---	---

* 11/16” DIA ON D UNITS; 15/16” ON S-1 UNITS AND 3/4 HEX ON B-1 UNITS
** 11/16” DIA ON B-1 UNITS; 7/16” DIA ON S-1 UNITS

• +.000 TO.001”
±.0005”

σ +.000 TO-.002”
+.000 TO -.003”

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

DODGE®

DOUBLE-INTERLOCK Units - Inch

"S-1" UNITS -- GRAY IRON 1-3/16" thru 3"			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023507**	S1U-DI-103R	3
1-1/4	**023508**	S1U-DI-104R	4
1-3/8	**023509**	S1U-DI-106R	5
1-7/16	**023510**	S1U-DI-107R	5
1-1/2	**023511**	S1U-DI-108R	7
1-5/8	**023512**	S1U-DI-110R	7
1-11/16	**023513**	S1U-DI-111R	7
1-3/4	**023514**	S1U-DI-112R	8
1-7/8	**023515**	S1U-DI-114R	8
1-15/16	**023516**	S1U-DI-115R	8
2	**023517**	S1U-DI-200R	8
2-3/16	**023518**	S1U-DI-203R	10
2-1/4	**023519**	S1U-DI-204R	12
2-7/16	**023520**	S1U-DI-207R	11
2-1/2	**023521**	S1U-DI-208R	11
2-11/16	**023522**	S1U-DI-211R	18
2-3/4	**023523**	S1U-DI-212R	17
2-15/16	**023524**	S1U-DI-215R	17
3	**023525**	S1U-DI-300R	17

Consult DODGE For Sizes Not Listed.

"D" UNITS -- GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	--------	DU-DI-103R	--------
1-1/4	--------	DU-DI-104R	--------
1-3/8	**023480**	DU-DI-106R	5
1-7/16	**023481**	DU-DI-107R	5
1-1/2	**023482**	DU-DI-108R	8
1-5/8	**023483**	DU-DI-110R	7
1-11/16	**023484**	DU-DI-111R	7
1-3/4	**023485**	DU-DI-112R	8
1-7/8	**023486**	DU-DI-114R	8
1-15/16	**023487**	DU-DI-115R	8
2	**023488**	DU-DI-200R	8
2-3/16	**023489**	DU-DI-203R	9
2-1/4	**023490**	DU-DI-204R	12
2-7/16	**023491**	DU-DI-207R	12
2-1/2	**023492**	DU-DI-208R	12
2-11/16	**023493**	DU-DI-211R	18
2-3/4	**023494**	DU-DI-212R	17
2-15/16	**023495**	DU-DI-215R	16
3	**023496**	DU-DI-300R	16
3-3/16	**023497**	DU-DI-303R	32
3-1/4	**023498**	DU-DI-304R	31
3-7/16	**023499**	DU-DI-307R	30
3-1/2	**023500**	DU-DI-308R	29
3-15/16	**023501**	DU-DI-315R	46
4	**023502**	DU-DI-400R	43
4-7/16	**023503**	DU-DI-407R	57
4 1/2	**023504**	DU-DI-408R	64
4-15/16	**023505**	DU-DI-415R	85
5	**023506**	DU-DI-500R	85

Consult DODGE For Sizes Not Listed.

"S-1" UNITS -- GRAY IRON 3-3/16" thru 7"			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
3-3/16	**023526**	S1U-DI-303R	34
3-1/4	**023527**	S1U-DI-304R	31
3-7/16	**023528**	S1U-DI-307R	31
3-1/2	**023529**	S1U-DI-308R	31
3-15/16	**023530**	S1U-DI-315R	43
4	**023531**	S1U-DI-400R	43
4-7/16	**023532**	S1U-DI-407R	57
4-1/2	**023533**	S1U-DI-408R	64
4-15/16	**023534**	S1U-DI-415R	82
5	**023535**	S1U-DI-500R	82
5-7/16	**023536**	S1U-DI-507R	159
5-15/16	**023537**	S1U-DI-515R	135
6	**023538**	S1U-DI-600R	128
6-7/16	**023539**	S1U-DI-607R	187
6-1/2	**023540**	S1U-DI-608R	182
6-15/16	**023541**	S1U-DI-615R	180
7	**023542**	S1U-DI-700R	178

Consult DODGE For Sizes Not Listed.

"B-1" UNITS -- GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**023543**	BIU-DI-103R	3
1-3/8	**023545**	BIU-DI-106R	5
1-7/16	**023546**	BIU-DI-107R	5
1-1/2	**023547**	BIU-DI-108R	6
1-5/8	**023548**	BIU-DI-110R	6
1-3/4	**023550**	BIU-DI-112R	8
1-15/16	**023552**	BIU-DI-115R	8
2	**023553**	BIU-DI-200R	7
2-3/16	**023554**	BIU-DI-203R	9
2-7/16	**023556**	BIU-DI-207R	12
2-1/2	**023557**	BIU-DI-208R	11
2-11/16	**023558**	BIU-DI-211R	17
2-3/4	**023559**	BIU-DI-212R	17
2-15/16	**023560**	BIU-DI-215R	17
3	**023561**	BIU-DI-300R	17
3-7/16	**023564**	BIU-DI-307R	30
3-1/2	**023565**	BIU-DI-308R	30
3-15/16	**023566**	BIU-DI-315R	45
4	**023567**	BIU-DI-400R	44
4-7/16	**023568**	BIU-DI-407R	58
4 1/2	**023569**	BIU-DI-408R	64
4-15/16	**023570**	BIU-DI-415R	87
5	**023571**	BIU-DI-500R	86

Consult DODGE For Sizes Not Listed.

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

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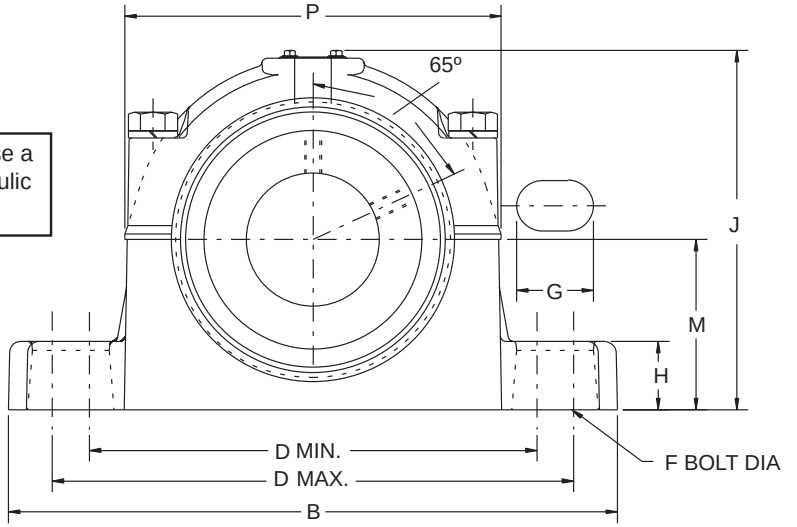
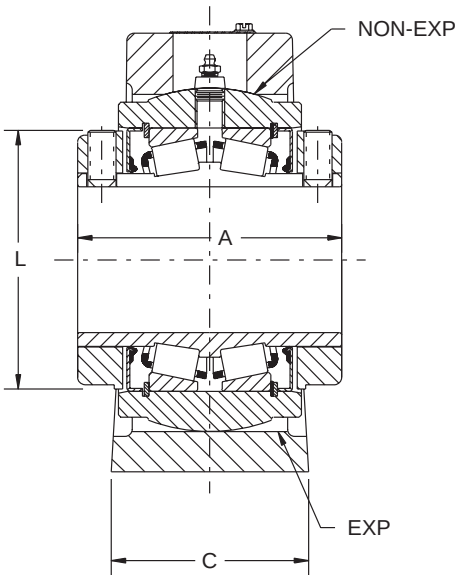
SELECTION/DIMENSIONS

DODGE®

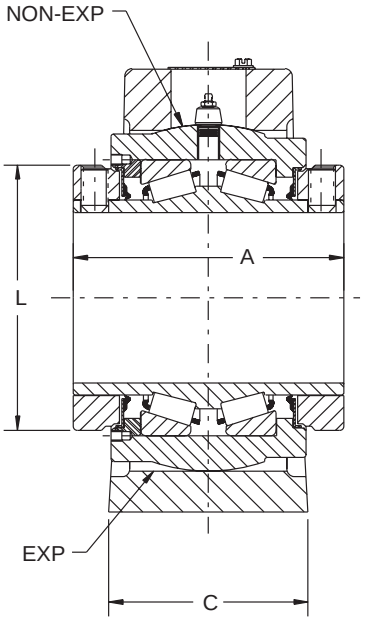
TAF Pillow Block - Inch
2-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





1-7/16" THRU 3" CONSTRUCTION



3-7/16" THRU 3-1/2" CONSTRUCTION

TAF Pillow Block - Inch
2-BOLT BASE

GRAY IRON NON-EXPANSION						
SHAFT SIZE INCHES #	SHAFT SIZE SYMBOL	SAF HOUSING NUMBER	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK.WT. APRX LBS
1-7/16	107	509	**037580**	**037540**	**037632**	12
1-11/16	111	510	**037581**	**037541**	**037633**	15
1-15/16	115	511	**037582**	**037542**	**037634**	17
2-3/16	203	513	**037583**	**037543**	**037635**	25
2-7/16	207	515	**037584**	**037544**	**037636**	30
2-1/2	208		**037585**	**037544**	**037637**	30
2-11/16	211	516	**037586**	**037545**	**037638**	38
2-3/4	212		**037587**	**037545**	**037639**	38
2-15/16	215	517	**037588**	**037546**	**037640**	45
3	300		**037589**	**037546**	**037641**	44
3-7/16	307	520	**037590**	**037547**	**037642**	71
3-1/2	308		**037591**	**037547**	**037643**	70

GRAY IRON EXPANSION						
SHAFT SIZE INCHES #	SHAFT SIZE SYMBOL	SAF HOUSING NUMBER	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK.WT. APRX LBS
1-7/16	107	509	**037592**	**037555**	**037632**	12
1-11/16	111	510	**037593**	**037556**	**037633**	15
1-15/16	115	511	**037594**	**037557**	**037634**	17
2-3/16	203	513	**037595**	**037558**	**037635**	25
2-7/16	207	515	**037596**	**037559**	**037636**	30
2-1/2	208		**037597**	**037559**	**037637**	30
2-11/16	211	516	**037598**	**037560**	**037638**	38
2-3/4	212		**037599**	**037560**	**037639**	38
2-15/16	215	517	**037600**	**037561**	**037640**	45
3	300		**037601**	**037561**	**037641**	44
3-7/16	307	520	**037602**	**037562**	**037642**	71
3-1/2	308		**037603**	**037562**	**037643**	70

Non-Expansion Furnished Unless Otherwise Specified.
Consult DODGE For Sizes Not Shown

SHAFT SIZE INCHES	SAF SERIES	A	B	C	D		F BOLT DIA	G	H	J	L	M	P	EXP*
					MIN.	MAX.								
1-7/16	509	3	8-1/4	2-3/16	6-1/4	7	1/2	15/16	7/8	5-7/64	2-3/4	2-1/4	5-33/64	3/32
1-11/16	510	3-3/8	8-1/4	2-3/8	6-1/2	7	1/2	7/8	1-1/32	5-5/8	3-3/16	2-1/2	5-13/16	3/32
1-15/16	511	3-1/2	9-5/8	2-3/4	7-3/8	8-1/4	5/8	1-13/64	1-1/32	6-9/64	3-7/16	2-3/4	6-23/64	9/32
2-3/16	513	3-3/4	11	3-1/4	8-21/32	9-1/2	5/8	1-7/16	1-1/32	6-33/64	3-3/4	3	6-61/64	9/32
2-7/16 2-1/2	515	4	11-1/8	3-1/8	8-5/8	9-5/8	5/8	1-17/64	1-1/4	7-1/32	4-1/16	3-1/4	7-3/8	9/32
2-11/16 2-3/4	516	4-1/2	12-19/32	3-1/2	9-7/8	11	3/4	1-7/16	1	7-43/64	4-23/32	3-1/2	8-5/16	9/32
2-15/16 3	517	4-1/2	12-19/32	3-1/2	9-7/8	11	3/4	1-7/16	1-1/4	7-59/64	4-23/32	3-3/4	8-5/16	9/32
3-7/16 3-1/2	520	5	15-3/8	4-11/32	11-13/16	13-1/8	7/8	1-21/32	1-21/32	9-27/64	5-1/2	4-1/2	10-3/32	9/32

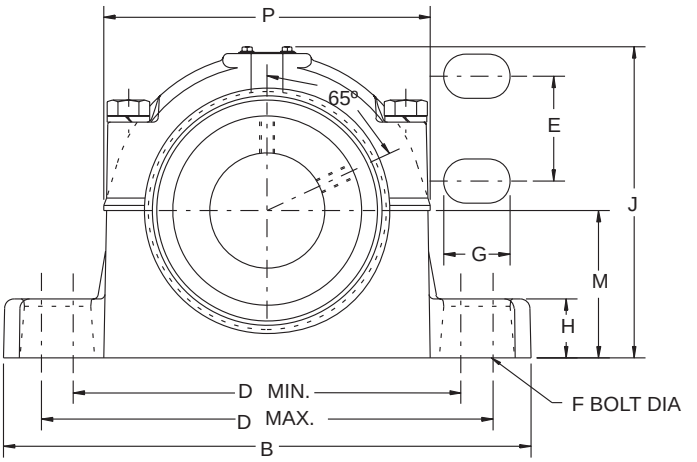
*EXP Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearing Only).

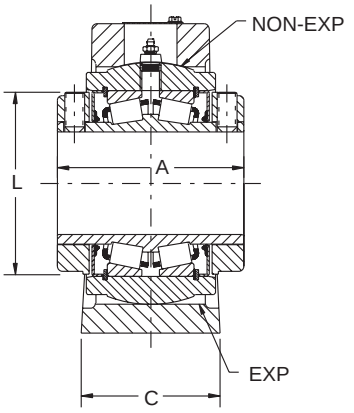
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

SELECTION/DIMENSIONS

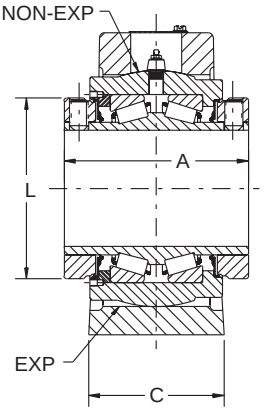
TAF Pillow Block - Inch
4-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

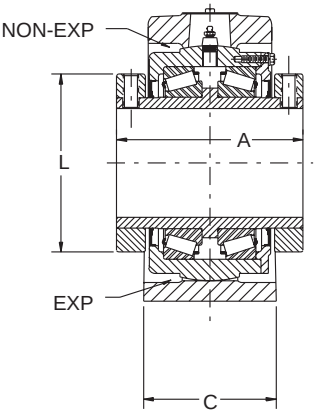




2-7/16" THRU 3"
CONSTRUCTION



3-7/16" THRU 5"
CONSTRUCTION



5-7/16" THRU 7"
CONSTRUCTION

TAF Pillow Block - Inch
4-BOLT BASE

GRAY IRON NON-EXPANSION						
SHAFT SIZE INCHES #	SHAFT SIZE SYMBOL	SAF HOUSING NUMBER	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK.WT. APRX LBS
2-7/16	207	515	**037604**	**037548**	**037636**	30
2-1/2	208	515	**037605**	**037548**	**037637**	30
2-11/16	211	516	**037606**	**037549**	**037638**	38
2-3/4	212	516	**037607**	**037549**	**037639**	38
2-15/16	215	517	**037608**	**037550**	**037640**	45
3	300	517	**037609**	**037550**	**037641**	44
3-7/16	307	520	**037610**	**037551**	**037642**	71
3-1/2	308	520	**037611**	**037551**	**037643**	70
3-15/16	315	522	**037612**	**037552**	**037644**	110
4	400	522	**037613**	**037552**	**037645**	110
4-7/16	407	526	**037614**	**037553**	**037646**	140
4-1/2	408	526	**037615**	**037553**	**037647**	140
4-15/16	415	528	**037616**	**037554**	**037648**	180
5	500	528	**037617**	**037554**	**037649**	180
5-7/16	507	532	**023584**	**042628**	**023610**	300
5-15/16	515	534	**023585**	**042630**	**023611**	300
6	600	534	**023586**	**042630**	**023612**	300
6-7/16	607	536	**023587**	**042632**	**023613**	510
6-1/2	608	536	**023588**	**042632**	**023614**	510
6-15/16	615	538	**023589**	**042634**	**023615**	52
7	700	538	**023590**	**042634**	**023616**	0520

GRAY IRON EXPANSION						
SHAFT SIZE INCHES #	SHAFT SIZE SYMBOL	SAF HOUSING NUMBER	PILLOW BLOCK ASSY	HOUSING ONLY	BEARING INNER UNIT	PIL. BLK.WT. APRX LBS
2-7/16	207	515	**037618**	**037563**	**037636**	30
2-1/2	208	515	**037619**	**037563**	**037637**	30
2-11/16	211	516	**037620**	**037564**	**037638**	38
2-3/4	212	516	**037621**	**037564**	**037639**	38
2-15/16	215	517	**037622**	**037565**	**037640**	45
3	300	517	**037623**	**037565**	**037641**	44
3-7/16	307	520	**037624**	**037566**	**037642**	71
3-1/2	308	520	**037625**	**037566**	**037643**	70
3-15/16	315	522	**037626**	**037567**	**037644**	110
4	400	522	**037627**	**037567**	**037645**	110
4-7/16	407	526	**037628**	**037568**	**037646**	140
4-1/2	408	526	**037629**	**037568**	**037647**	140
4-15/16	415	528	**037630**	**037569**	**037648**	180
5	500	528	**037631**	**037569**	**037649**	180
5-7/16	507	532	**023603***	**042627***	**023610**	300
5-15/16	515	534	**023604***	**042629***	**023611**	300
6	600	534	**023605***	**042629***	**023612**	300
6-7/16	607	536	**023606***	**042631***	**023613**	510
6-1/2	608	536	**023607***	**042631***	**023614**	510
6-15/16	615	538	**023608***	**042633***	**023615**	520
7	700	538	**023609***	**042633***	**023616**	520

Non-Expansion Furnished Unless Otherwise Specified
Consult DODGE For Sizes Not Shown

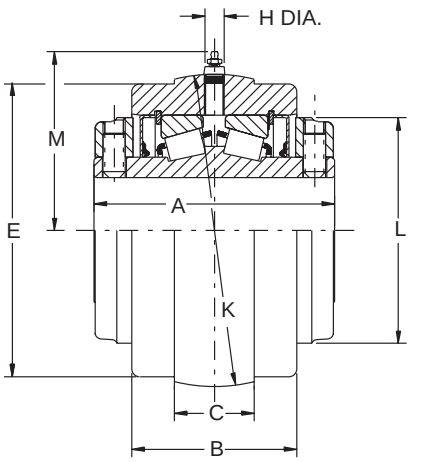
SHAFT SIZE	SAF SERIES	A	B	C	D		E	F BOLT DIA	G	H	J	L	M	P	EXP*
					MIN.	MAX.									
2-7/16 2-1/2	515	4	11-1/8	3-1/8	8-5/8	9-5/8	1-7/8	1/2	1-1/8	1-1/4	7-1/32	4-1/16	3-1/4	7-3/8	9/32
2-11/16 2-3/4	516	4-1/2	12-19/32	3-1/2	9-7/8	11	2-1/8	5/8	1-21/64	1	7-43/64	4-23/32	3-1/2	8-5/16	9/32
2-15/16 3	517	4-1/2	12-19/32	3-1/2	9-7/8	11	2-1/8	5/8	1-21/64	1-1/4	7-59/64	4-23/32	3-3/4	8-5/16	9/32
3-7/16 3-1/2	520	5	15-3/8	4-11/32	11-5/8	13-1/8	2-3/8	3/4	1-5/8	1-21/32	9-27/64	5-1/2	4-1/2	10-3/32	9/32
3-15/16 4	522	6-1/4	16-1/2	4-3/4	12-19/32	14-1/2	2-3/4	3/4	1-53/64	1-25/32	10-23/64	6	4-15/16	10-45/64	11/32
4-7/16 4-1/2	526	6-3/4	18-3/8	5-1/8	14-1/2	16	3-1/4	7/8	1-3/4	2-1/16	11-53/64	6-29/64	6	12-29/64	11/32
4-15/16 5	528	7-1/4	19-45/64	5-7/8	15-5/8	17-3/8	3-3/8	1	2	2-1/16	12-37/64	7-29/64	6	13-23/64	11/32
5-7/16	532	9	21- 21/32	6-1/4	17-5/8	19-1/4	3-3/4	1	1-59/64	2-11/32	14	9-3/8	6-11/16	15-1/8	13/32
5-15/16 6	534	9	24-3/4	6-3/4	19	21-5/8	4-1/4	1	2-7/16	2-7/8	14-3/8	9-3/8	7-1/16	15-1/8	13/32
6-7/16 6-1/2	536	10-1/2	26-3/4	7-1/8	21	23-5/8	4-5/8	1	2-7/16	3	16-3/16	11-3/8	7-1/2	18-5/16	13/32
6-15/16 7	538	10-1/2	28	7-1/2	21-5/8	24-3/8	4-1/2	1-1/4	2-3/4	3-1/8	16-9/16	11-3/8	7-7/8	18-5/16	13/32

*EXP - Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearings Only)
Note: All sizes use a 1/8-27 NPT hydraulic grease fitting

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

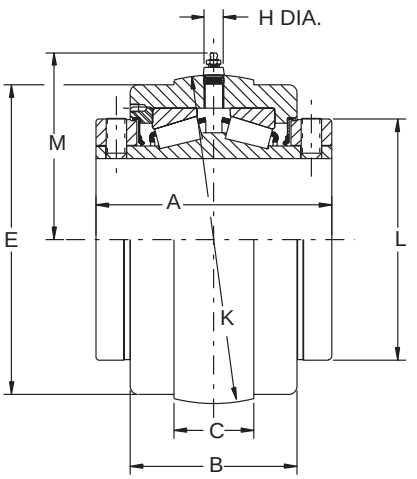
TAF Units - Inch



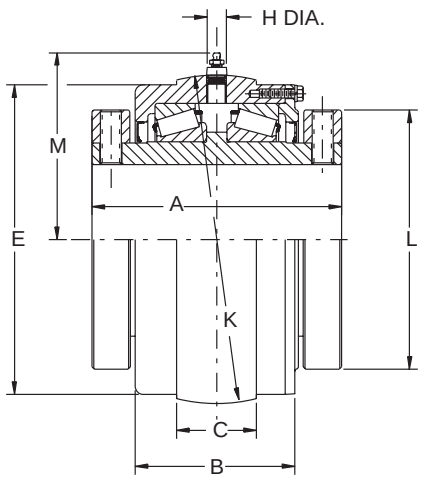
S-1 UNIT
1-7/16" THRU 3" CONSTRUCTION

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

TAF S1 Unit Is Used In All Expansion And Non-Expansion TAF Housings



S-1 UNIT
3-3/16" THRU 5" CONSTRUCTION



S-1 UNIT
5-7/16" THRU 7" CONSTRUCTION

TAF Units - Inch

"S-1" UNITS - GRAY IRON			
SHAFT SIZE # INCHES	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**037632**	S1U509-TAF-107	5
1-11/16	**037633**	S1U510-TAF-111	7
1-15/16	**037634**	S1U511-TAF-115	8
2-3/16	**037635**	S1U513-TAF-203	9
2-7/16	**037636**	S1U515-TAF-207	11
2- 1/2	**037637**	S1U515-TAF-208	11
2-11/16	**037638**	S1U516-TAF-211	18
2-3/4	**037639**	S1U516-TAF-212	17
2-15/16	**037640**	S1U517-TAF-215	17
3	**037641**	S1U517-TAF-300	17
3-7/16	**037642**	S1U520-TAF-307	31
3-1/2	**037643**	S1U520-TAF-307	31
3-15/16	**037644**	S1U522-TAF-315	43
4	**037645**	S1U522-TAF-400	43
4-7/16	**037646**	S1U526-TAF-407	57
4-1/2	**037647**	S1U526-TAF-408	68
4-15/16	**037648**	S1U528-TAF-415	82
5	**037649**	S1U528-TAF-500	82
5-7/16	**023610**	S1U-TAF-507R	155
5-15/16	**023611**	S1U-TAF-515R	143
6	**023612**	S1U-TAF-600R	138
6-7/16	**023613**	S1U-TAF-607R	187
6-1/2	**023614**	S1U-TAF-608R	182
6-15/16	**023615**	S1U-TAF-615R	180
7	**023616**	S1U-TAF-700R	178

NOTE: TAF inserts below 5-7/16" are not interchangeable with TAF-XT housings, with shafts of 5" or less, order DOUBLE-INTERLOCK S-1 units on Page B6-50

SHAFT SIZE INCHES	A	B	C	E		H	K	L	M
				MACH. SIDE	CAST SIDE				
1-7/16	3	2-1/16	1-5/32	3.250	3.31	3/4	3.595 •	2-3/4	2-1/2
1-11/16	3-3/8	2-5/16	1-3/16	3.750	3.81	3/4	4.095 •	3-3/16	2-7/8
1-15/16	3-1/2	2-7/16	1-1/2	4.125	4.18	3/4	4.502 •	3-7/16	2-3/4
2-3/16	3-3/4	2-9/16	1-9/16	4.500	4.56	3/4	4.940 •	3-3/4	2-61/64
2-7/16 2- 1/2	4	2-3/4	1-7/16	4.812	4.87	3/4	5.156 •	4-1/16	3-3/8
2-15/16 3	4-1/2	3	1-7/8	5.563	5.63	3/4	6.001 •	4-23/32	3-7/8
3-7/16 3-1/2	5	3-1/2	2-3/16	6.813	6.88	3/4	7.313*	5-1/2	4-1/2
3-15/16 4	6-1/4	4-1/2	2-19/32	7.438	7.40	15/16	7.937*	6	5-1/8
4-7/16 4-1/2	6-3/4	4-5/8	2-9/16	8.313	8.32	15/16	8.812*	6-29/64	5-1/2
4-15/16 5	7-1/4	5-1/8	3-1/8	9.563	9.54	15/16	10.124*	7-29/64	6-3/16
5-7/16 5-15/16 6	9	5-7/8	2-9/16	11.190	11.19	15/16	11.563 ^	9-3/8	6-29/32
6-7/16 6-1/2 6-15/16 7	10-1/2	7-1/8	3	13.250	13.25	15/16	13.748 ^	11-3/8	8

• +.000,-.001" ^.000,-.003" * +.0005

Consult DODGE For Sizes Not Listed

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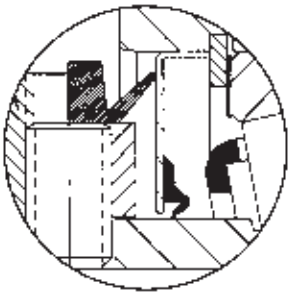
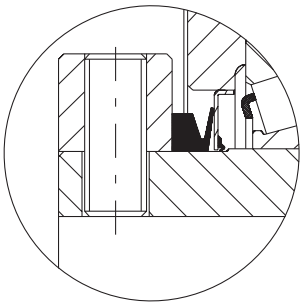
SELECTION/DIMENSIONS

Type E / Type K / DOUBLE-INTERLOCK /TAF
E-TECT SEAL KITS

SHAFT SIZE INCHES	KIT PART NUMBER
1-3/16 TO 1-1/4	**037650***
1-3/8 TO 1-7/16	**037651***
1-1/2 TO 1-11/16	**037652***
1-3/4 TO 2	**037653***
2-3/16	**037654***
2-1/4 TO 2-1/2	**037655***
2-11/16 TO 3	**037656***
3-3/16 TO 3-1/2	**037657***
3-15/16 TO 4	**037658***
4-7/16 TO 4-1/2	**037659***
4-15/16 TO 5	**037660***
5-7/16 TO 6	**037673****
6-7/16 TO 7	**037674****



1-3/16 THRU 5"

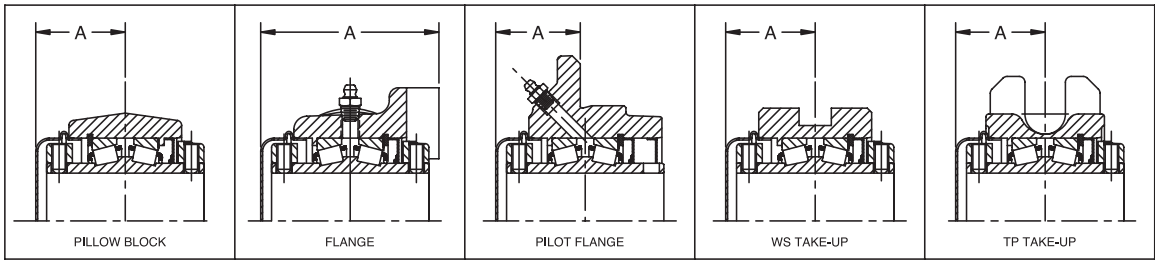


5-7/16 THRU 7"

* Kit includes one collar, set screws and seal

** Kit for 5-7/16” consists of a modified v-ring seal. This seal can only be used with bearings produced after September 1995

Type E
TYPE E END CLOSURE KITS - INCH



** Seal must be removed before installing the end cover

SHAFT SIZE Δ Inches	KIT* PART NO.	"A" DIMENSION (INCH)				
		PILLOW BLOCK	FLANGE	PILOT FLANGE	WS TAKE-UP	TP TAKE-UP
1-3/16 TO 1-1/4	**023795**	1-9/16	2-31/32	1-15/32	----	----
1-3/8 TO 1-7/16	**023796**	1-11/32	3-7/32	1-21/32	1-21/32	----
1-1/2 TO 1-11/16	**023797**	1-57/64	3-43/64	1-47/64	1-55/64	----
1-3/4 TO 2	**023798**	1-61/64	3-51/64	1-47/64	1-59/64	1-63/64
2-3/16	**023799**	2-3/32	4-1/16	1-7/8	2-1/16	2-1/16
2-1/4 TO 2-1/2	**023800**	2-1/4	4-3/8	2	2-3/16	2-5/16
2-11/16 TO 3	**023801**	2-7/16	4-7/8	2-3/16	2-7/16	2-7/16

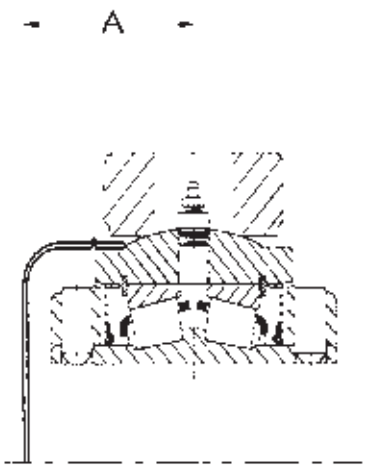
Δ - Consult DODGE For Sizes Not Listed.

* - Kit Includes End Closure And Special Collar.

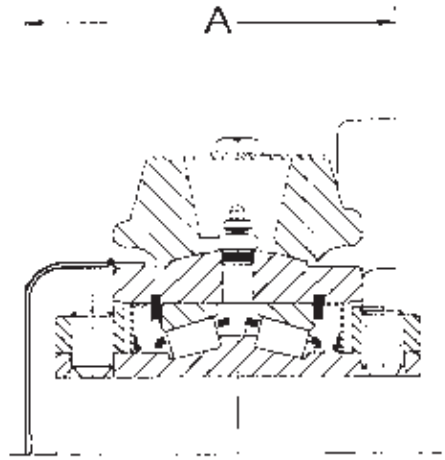
FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION/DIMENSIONS

Type K, DOUBLE-INTERLOCK and TAF End Covers



DOUBLE-INTERLOCK SHOWN
K, D-1 & TAF



DOUBLE-INTERLOCK SHOWN
K & DI

SHAFT SIZE INCHES	PART NUMBER	"A" DIMENSION	
		PILLOW BLOCK	FLANGE BEARING
1-3/8 TO 1-7/16	**037681**	1-21/32	2-27/32
1-1/2 TO 1-11/16	**037682**	1-55/64	3-11/64
1-3/4 TO 2	**037683**	1-59/64	3-19/64
2-3/16	**037684**	2-1/16	3-1/2
2-1/4 TO 2-1/2	**037685**	2-3/16	3-3/4
2-11/16 TO 3	**037686**	2-7/16	4-3/16
3-3/16 TO 3-1/2	**037687**	2-11/16	4-15/16
3-5/16 TO 4	**037688**	3-5/16	5-13/16
4-7/16 TO 4-1/2	**037689**	3-9/16	5-7/8
4-15/16 TO 5	**037690**	3-13/16	6-5/16

END CLOSURE MOUNTS ON MACHINED OD SIDE OF S-1 UNIT

TAF - Smart Stock Selections
HOW TO ORDER

Step 1:
The Housing Choices Standard Or Drilled

When speed only will be monitored, select the standard housing.

When vibration, and /or temperature will be monitored, select the drilled housing

All housing part numbers shown are 4-bolt base, non-expansion

Shaft Size	Series	Standard Housing Part Numbers If you are monitoring speed only Part #	Drilled Housing Part Number For temperature and/or vibration Part #
207	515	**037548**	**053067**
215	517	**037550**	**053628**
307	520	**037551**	**067350**
315	522	**037552**	**054960**
407	526	**037553**	**067352**
415	528	**037554**	**067353**
507	532	**042628**	**067354**
515	534	**042630**	**067357**
615	538	**042634**	**067234**

Step 2:
Pick An S1 Unit

Smart S-1 units feature

- Embedded thermocouple drilled and tapped holes for prox covers
- Special locking collar with prox targets

Shaft Size	S1 Unit
207	**055805**
215	**055806**
307	**055807**
315	**049235**
407	**055915**
415	**055840**
507	**067355**
515	**067356**
615	**067323**

Step 3:
The Sensor Choices

For speed monitoring, use AC prox and prox cover or DC prox and prox cover. (Use DC with EZLINK only)

For temperature monitoring, use thermocouple transmitter or for speed, temperature and vibration monitoring, use EZLINK

Prox Covers		
Shaft	Housing	Part Number
207	515	**067340**
215	517	**067342**
307	520	**067343**
315	522	**067344**
407	526	**067345**
415	528	**067346**
507	532	**067347**
515	534	**067347**
615	538	**067348**

TAF Sensor kits	Part Number
AC Prox	**055943**
DC Prox	**055948**
Thermocouple Transmitter	**055931**
EZLINK	**059652**
Cable Connector Kit	**063694**
4-20 ma Accelerometer and Thermocouple	**067576**

* For additional details on DODGE Smart Bearings, see brochure DMR-2026-6

FEATURES/BENEFITS PAGE B6-2	NOMENCLATURE PAGE B6-4	SELECTION PAGE B6-5	SELECTION/DIMENSIONS PAGE B6-8

SELECTION

Type E - Metric

SELECTION
METRIC TYPE E TAPERED ROLLER BEARINGS

DODGE Type E Double Row Tapered Roller Bearings have the capacity to carry heavy radial loads, thrust loads, and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE Unitized Type E Roller Bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-297-4800) for applications which exceed the recommendations of this catalog.

L_{10} Life, Hours -- The fatigue life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10}\ \text{Life, Hours} = \left(\frac{C90}{P}\right)^{10/3} X \frac{1{,}500{,}000}{RPM}$$

Where: C_{90} = Dynamic Capacity (Table 9), kN

P = Equivalent Radial Load, kN

(See Equation 1 On Page B6-64 for definition of P)

GENERAL

Heavy Service -- For heavy shock loads, frequent shock loads, or severe vibrations, increase the Equivalent Radial Load up to 50% (according to severity of conditions) to obtain a Modified Equivalent Radial Load. Consult Application Engineering at 864-284-5700 for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. With substantial radial loads also present, it is advisable to calculate actual L_{10} life to assure the bearing meets requirements.

RPM RANGE	20 - 200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	$C_{90}/4$	$C_{90}/8$	$C_{90}/12$

The shaft tolerances recommended below are adequate for the conditions outlined in this catalog. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a shaft size. **Heavy loads should be directed through the base. Where uplift loads are involved see Table 12 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of plummer blocks.

SHAFT TOLERANCES	
SHAFT SIZE	TOLERANCE
Up to 35mm	+.000 - .013mm
40 to 100mm	+.000 - .025mm
100 - 150mm	+.000 - .038mm
160 - 180mm	+.000 - .051mm

Type E - Metric

SELECTING BEARINGS SUPPORTING RADIAL LOADS ONLY

1. Define the desired L_{10} Life, in Hours
2. Establish bearing radial load, FR, kN
3. Establish RPM.

FR = P for Pure Radial Load Conditions.

P = Equivalent radial load, kN

(The Dodge program BEST• can be used to find application loads.)

Using the easy selection Table 10, Page B6-66 under the RPM column find the equivalent load that equals or is higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application. If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: L_{10} Life = 30,000 Hours
Radial load = 18 kN
RPM = 1000

At the intersection of the 1000 RPM column and at the 30,000 hours L_{10} life row, the equivalent radial load of 25 kN exceeds the 18kN application radial load for shaft sizes 80, 85, and 90. Therefore, an 80, 85, or 90mm E bearing can be used to meet the application conditions of the above example:

ALTERNATE METHOD A --SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity C_{90} is identified in terms of L_{10}, RPM and P.

$$C_{90} = \left(\frac{L10 \times RPM}{1{,}500{,}000} \right)^{0.3} \times P$$

(P = F_R for Pure Radial Load Conditions)

Since the L_{10}, RPM, and P are known, solve for C_{90}. Select from the dynamic capacity column on Table 9 the C_{90} value equal to or greater than the C_{90} value just calculated. The bore size on the far left represents the minimum shaft size selection. Check that the application RPM does not exceed the MAX. RPM on Table 9. When selecting a L_{10} life of less than 30,000 hours particular attention must be paid to shaft deflection and proper lubricant selection.

• The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life, and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at **www.ptwizard.com** under the Product Selection area.

SELECTION

Type E - Metric

SELECTING BEARINGS SUPPORTING BOTH RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 9 convert the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load P = XFR + YFA (Equation 1)

Where:

P = Equivalent radial load, kN

FR = Radial load, kN

FA = Thrust (axial) load, kN

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y = Thrust load factor (Table 1)

Calculate FA/FR and compare to **e** for the selected bore size. Determine X and Y from Table 1 depending on whether FA/FR is equal to or less than **e**, or FA/FR greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10} life in hours or compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection table.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Type E tapered roller bearings are well suited to carry pure thrust loads. Follow the same selection procedure used above “Selecting Bearings Supporting Both Radial and Thrust Loads” except the equation P = XFR + YFA reduces to P = YFA. (XFR is equal to zero)

TABLE 9 RADIAL AND THRUST FACTORS FOR TYPE E TAPERED ROLLER BEARINGS (METRIC)

SHAFT SIZE (MM)	e	FA/FR ≤ e		FA/FR>e		DYNAMIC CAPACITY C_{90} * kNEWTONS	MAXIMUM RPM	MAXIMUM SLIP FIT RADIAL LOAD, (FR)k N**
		X	Y	X	Y			
35	0.46	.87	1.89	.70	2.28	21.2	3,820	22.2
40	0.44	.87	1.96	.70	2.37	27.3	3,320	28.5
45, 50	0.33	.87	2.64	.70	3.18	35.9	3,050	37.4
55	0.35	.87	2.38	.70	2.87	38.0	2,730	39.6
60, 65	0.40	.87	2.17	.70	2.63	40.4	2,420	42.2
70, 75	0.45	.87	1.87	.70	2.26	42.7	2,060	44.5
80, 85, 90	0.50	.87	1.71	.70	2.07	68.1	1,640	71.2
100	0.49	.87	1.77	.70	2.14	93.4	1,530	98.0
110,115	0.53	.87	1.63	.70	1.97	114.8	1,360	120.0
125	0.47	.87	1.83	.70	2.21	157.9	1,200	164.6
135,140,150	0.49	.87	1.76	.70	2.12	181.1	915	188.6
160,170,180	0.54	.87	1.61	.70	1.95	307.9	790	320.2

Type E - Metric

COMPARING SPHERICAL TO TAPER ROLLER BEARING

The dynamic capacity C (spherical) and C_{90} (taper) are not to the same base. To compare basic dynamic capacities, multiply C x .259 and compare to C_{90}.

To select and then compare, use the complete selection procedure for each type bearing and then compare.

* C_{90}---Dynamic capacity based on a rated life of 90 million revolutions or 3000 hours at 500 RPM.

** If load exceeds maximum allowable slip fit radial load (F_R), line to line, to-light press fit of shaft required. Application loads up to maximum slip fit radial load may be applied if recommended shaft tolerances are used.

SELECTION

Type E - Metric

TABLE 10 - EASY SELECTION TABLE FOR TYPE E, DOUBLE ROW TAPERED ROLLER BEARINGS (METRIC)

SHAFT SIZE, MM	L10 LIFE, HRS.	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (kN) AT VARIOUS REVOLUTIONS PER MINUTE														
		50	100	150	250	500	750	1000	1250	1500	1750	2000	2500	2700	3000	3500
35	10000	30	25	20	20	15	15	10	10	10	10	10	10	10	10	10
	30000	20	15	15	15	10	10	10	10	5	5	5	5	5	5	5
	40000	20	15	15	10	10	10	5	5	5	5	5	5	5	5	5
	60000	15	15	10	10	10	5	5	5	5	5	5	5	5	5	5
	100000	15	10	10	10	5	5	5	5	5	5	5	5	5	5	5
40	10000	35	30	25	25	20	15	15	15	15	15	10	10	10	10	10
	30000	25	20	20	15	15	10	10	10	10	10	10	10	10	5	5
	40000	25	20	20	15	10	10	10	10	10	10	10	5	5	5	5
	60000	20	20	15	15	10	10	10	10	5	5	5	5	5	5	5
	100000	20	15	15	10	10	10	5	5	5	5	5	5	5	5	5
45 50	10000	55	45	40	35	25	25	20	20	20	20	20	15	15	15	--
	30000	40	30	30	25	20	15	15	15	15	15	15	10	10	10	--
	40000	35	30	25	20	20	15	15	15	15	10	10	10	10	10	--
	60000	30	25	25	20	15	15	15	10	10	10	10	10	10	10	--
	100000	25	20	20	15	15	10	10	10	10	10	10	10	10	10	--
55	10000	50	40	40	30	25	25	20	20	20	20	15	15	15	15	--
	30000	40	30	25	25	20	15	15	15	15	15	10	10	10	10	--
	40000	35	30	25	20	15	15	15	15	10	10	10	10	10	10	--
	60000	30	25	20	20	15	15	10	10	10	10	10	10	10	10	--
	100000	25	20	20	15	15	10	10	10	10	10	10	10	10	5	--
60 65	10000	55	45	40	35	30	25	20	20	20	20	20	15	--	--	--
	30000	40	30	30	25	20	15	15	15	15	15	15	10	--	--	--
	40000	35	30	25	20	20	15	15	15	15	10	10	10	--	--	--
	60000	30	25	25	20	15	15	15	10	10	10	10	10	--	--	--
	100000	30	20	20	15	15	10	10	10	10	10	10	10	--	--	--
70 75	10000	60	50	40	35	30	25	25	20	20	20	20	--	--	--	--
	30000	40	35	30	25	20	20	15	15	15	15	15	--	--	--	--
	40000	40	30	30	25	20	15	15	15	15	15	10	--	--	--	--
	60000	35	30	25	20	15	15	15	15	10	10	10	--	--	--	--
	100000	30	25	20	20	15	15	10	10	10	10	10	--	--	--	--
80 85 90	10000	95	75	70	60	45	40	40	35	35	30	--	--	--	--	--
	30000	70	55	50	40	35	30	25	25	25	25	--	--	--	--	--
	40000	60	50	45	40	30	25	25	25	20	20	--	--	--	--	--
	60000	55	45	40	35	25	25	20	20	20	20	--	--	--	--	--
	100000	45	40	35	30	25	20	20	20	15	15	--	--	--	--	--
100	10000	130	105	95	80	65	55	50	50	45	--	--	--	--	--	--
	30000	95	75	65	55	45	40	40	35	35	--	--	--	--	--	--
	40000	85	70	60	50	40	40	35	30	30	--	--	--	--	--	--
	60000	75	60	55	45	40	35	30	30	25	--	--	--	--	--	--
	100000	65	50	45	40	30	30	25	25	25	--	--	--	--	--	--

For Maximum RPM See Table 1 on Page B6-14.

In The Shaded Area E, DI & TAF Mounted Unites Required Line-To-Line Press Fit To Shaft

Type E - Metric

TABLE 10 - EASY SELECTION TABLE FOR TYPE E, DOUBLE ROW TAPERED ROLLER BEARINGS (METRIC)

SHAFT SIZE, MM	L10 LIFE, HRS.	ALLOWABLE EQUIVALENT RADIAL LOAD RATING (kN) AT VARIOUS REVOLUTIONS PER MINUTE														
		50	100	150	250	500	750	1000	1250	1500	1750	2000	2500	2700	3000	3500
110 115	10000	160	130	115	100	80	70	65	60	--	--	--	--	--	--	--
	30000	115	95	80	70	55	50	45	45	--	--	--	--	--	--	--
	40000	105	85	75	65	50	45	40	40	--	--	--	--	--	--	--
	60000	95	75	65	55	45	40	35	35	--	--	--	--	--	--	--
	100000	80	65	55	50	40	35	30	30	--	--	--	--	--	--	--
125	10000	220	180	155	135	110	95	90	85	--	- -	--	--	--	--	--
	30000	155	130	115	95	80	70	65	60	--	--	--	--	--	--	--
	40000	145	115	105	90	70	65	60	55	--	--	--	--	--	--	--
	60000	130	105	90	80	65	55	50	50	--	--	--	--	--	--	--
	100000	110	90	80	65	55	50	45	40	--	--	--	--	--	--	--
135 140 150	10000	250	205	180	155	125	110	100	--	--	--	--	--	--	--	--
	30000	180	145	130	110	90	80	75	--	--	--	--	--	--	--	--
	40000	165	135	120	100	85	75	65	--	--	--	--	--	--	--	--
	60000	145	120	105	90	75	65	60	--	--	--	--	--	--	--	--
	100000	125	100	90	75	65	55	50	--	--	--	--	--	--	--	--
160 170 180	10000	430	345	305	265	215	190	- -	--	--	--	--	--	--	--	--
	30000	305	250	220	190	155	135	--	--	--	--	--	--	--	--	--
	40000	280	230	205	175	140	125	--	--	--	--	--	--	--	--	--
	60000	250	205	180	155	125	110	--	--	--	--	--	--	--	--	--
	100000	215	175	155	130	105	95	--	--	--	--	--	--	--	--	--

For Maximum RPM See Table 1 on Page B6-14.

In The Shaded Area E, DI & TAF Mounted Unites Required Line-To-Line Press Fit To Shaft

D-LOK
Type E Family
Speciality Tapered
S-2000
UNISPHERE II

SELECTION

Type E

LUBRICATION

DODGE Type E Metric Tapered Roller Bearings are lubricated at the factory with Mobilith AW 2 grease up to 125mm and with Mobilux #2 EP above 125mm. Mobilith AW 2 is a superior industrial grease using a lithium complex thickener and a highly refined base oil. Mobilux #2EP grease is a superior industrial greases using a lithium hydroxystearate thickener and highly refined base oil. These greases will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 13. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864) 284-5700. DODGE engineers will recommend bearings and lubricants for the unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs.

High Speed Operation --- In the higher speed ranges too much grease will cause overheating. The amount of grease that the bearing will take for particular high speed application can only be determined by experience. If excess grease in the bearing caused overheating, it will be necessary to remove grease fitting (also drain plug when furnished) to permit excess grease to escape. When establishing a relubrication schedule, note that a small amount of grease at frequent intervals is preferable to a large amount at infrequent intervals.

Operation in Presence of Dust, Water or Corrosive Vapors --- Under these conditions the bearing should contain as much grease as speed will permit, since a full bearing with consequent slight leakage is the best protection against entrance of foreign material. In the higher speed ranges too much grease will cause overheating --- see “High Speed Operation”. In the lower speed ranges, it is advisable to add extra grease to a new bearing before putting into operation. Bearings should be greased as often as necessary (daily if required) to maintain a slight leakage at the seals.

INSTALLATION AND MAINTENANCE

In nearly all applications good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up, both vertically and horizontally, it is possible to induce heavy loads. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts and cap bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

TABLE 11 - RELUBRICATION SCHEDULE

Hours Run per Day	SUGGESTED LUBRICATION PERIOD IN WEEKS							
	1 to 250 RPM	251 to 500 RPM	501 to 750 RPM	751 to 1000 RPM	1001 to 1500 RPM	1501 to 2000 RPM	2001 to 2500 RPM	2501 to 3000 RPM
8	12	12	10	7	5	4	3	2
16	12	7	5	4	2	2	2	1
24	10	5	3	2	1	1	1	1

Type E - Metric

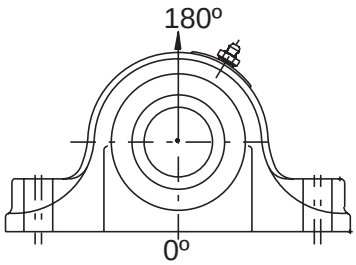


TABLE 12 - TYPE HOUSING RATINGS, GRAY IRON

BORE SIZE MM	MAXIMUM HOUSING CAP LOADS, kN
	P180
35	14
40	13
45, 50	23
55	16
60, 65	29
70, 75	31
80, 85, 90	70
100	72
110,115	93
125	116
135,140,150	194
160,170,180	204

TABLE 13 - DEFINITION OF OPERATING CONDITIONS FOR TAPERED ROLLER BEARINGS

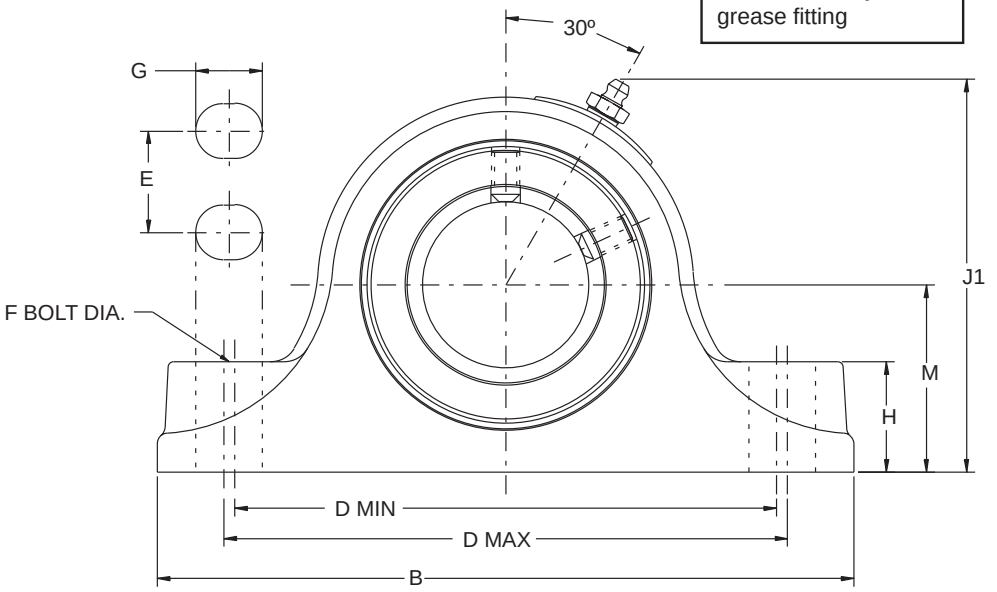
LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 9)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RPM
HIGH SPEED	OVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 30% OF C90 (TABLE 9)
NORMAL LOAD	OVER 30% TO 70% OF C90
HEAVY LOAD	OVER 70% OF C90
LOW TEMPERATURE	-75°C TO - 10°C
MEDIUM TEMPERATURE	ABOVE - 10°C TO 100°C
HIGH TEMPERATURE	ABOVE 100°C TO 150°C
VERY HIGH TEMPERATURE	ABOVE 150°C TO 205°C

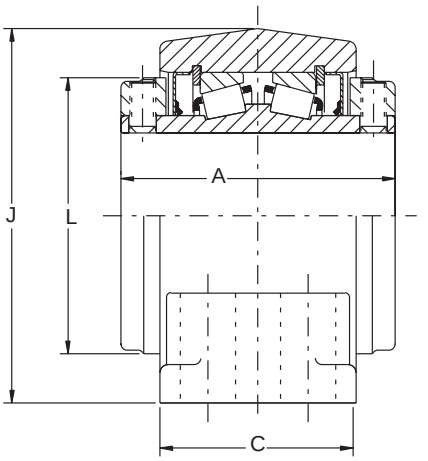
SELECTION/DIMENSIONS

DODGE®

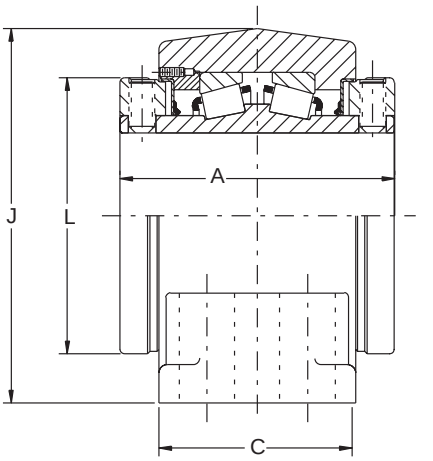
Type E - Plummer Block - Metric
2 & 4 BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting





35mm THRU 75mm CONSTRUCTION



80mm THRU 125mm CONSTRUCTION

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DODGE®

Type E - Plummer Block - Metric

TYPE E PLUMMER BLOCKS, 2-BOLT

SHAFT SIZE (mm)	PART NUMBER	PART NAME	WEIGHT LBS. (APPROX.)
35mm	**023620**	P2B-E-035MR	7
40mm	**023621**	P2B-E-040MR	10
45mm	**023622**	P2B-E-045MR	12
50mm	**023623**	P2B-E-050MR	12
55mm	**023624**	P2B-E-055MR	15
60mm	**023625**	P2B-E-060MR	20
65mm	**023626**	P2B-E-065MR	20
70mm	**023627**	P2B-E-070MR	29
75mm	**023628**	P2B-E-075MR	27
80mm	**023629**	P2B-E-080MR	49
85mm	**023630**	P2B-E-085MR	47
90mm	**023631**	P2B-E-090MR	45

TYPE E PLUMMER BLOCKS, 4-BOLT

SHAFT SIZE (mm)	PART NUMBER	PART NAME	WEIGHT LBS. (APPROX.)
100mm	**023632**	P4B-E-100MR	69
110mm	**023633**	P4B-E-110MR	85
115mm	**023634**	P4B-E-115MR	91
125mm	**023635**	P4B-E-125MR	136
135mm	**023636**	P4B-E-135MR	245
140mm	**023637**	P4B-E-140MR	240
150mm	**023638**	P4B-E-150MR	235
160mm	**023639**	P4B-E-160MR	355
170mm	**023640**	P4B-E-170MR	345
180mm	**023641**	P4B-E-180MR	345

TYPE E PLUMMER BLOCKS, 2-BOLT BASE

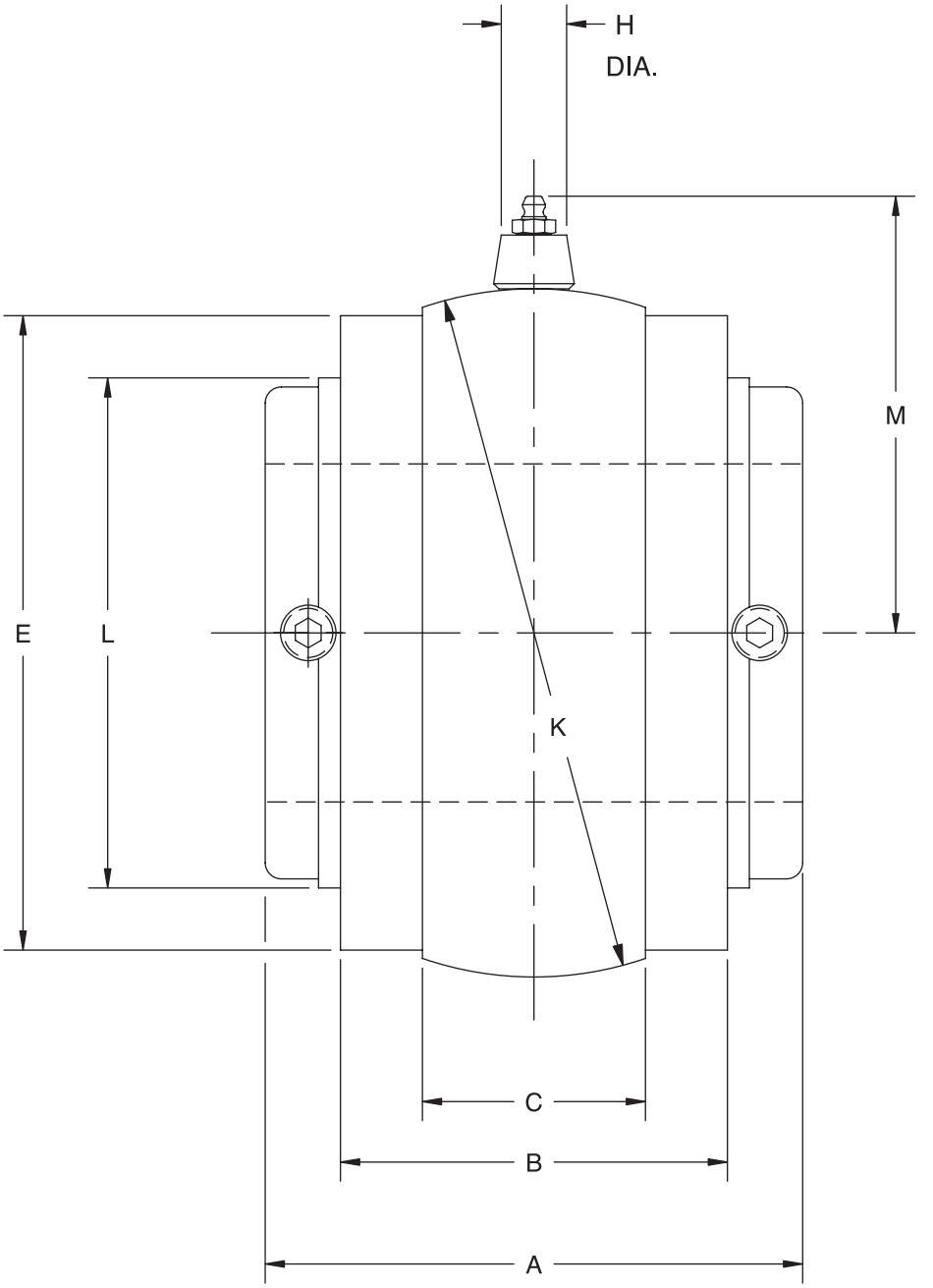
SHAFT SIZE (mm)	A	B	C	D		F Bolts	G	H	J1	L	M
				Min.	Max						
35mm	76.2	187.0	54.0	142.8	149.2	M12	19	29	101.6	70	47.6
40mm	85.7	200.0	60.0	155.5	161.9	M12	19	32	113.5	81	54.0
45mm 50mm	88.9	225.0	64.0	174.6	181.0	M16	22	33	119	87	57.2
55mm	95.3	244.0	67.0	193.7	200.0	M16	22	38	131.4	95	63.5
60mm 65mm	101.6	267.0	73.0	212.7	219.0	M16	22	41	142.8	103	69.9
70mm 75mm	114.3	305.0	76.0	236.5	246.0	M20	27	48	161.1	120	79.4
80mm 85mm 90mm	127.0	356.0	89.0	274.6	284.2	M20	30	57	190.5	139.7	95.3

TYPE E PLUMMER BLOCKS, 4-BOLT BASE

SHAFT SIZE (mm)	A	B	C	D		E	F Bolts	G	H	J1	L	M
				Min.	Max							
100mm	158.8	387	114	311.2	323.9	57.2	M20	28	62	216	152.4	108.0
110mm 115mm	171.5	422	117	336.6	349.3	63.5	M20	28	70	238	164	120.7
125mm	184.2	470	130	387.4	400.0	73.0	M24	32	76	276	189	139.7
135mm 140mm 150mm	228.6	559	159	441.3	485.8	95.3	M24	51	83	335	238	169.9
160mm 170mm 180mm	266.7	660	181	539.8	590.6	117.5	M24	51	94	379	289	190.5

SELECTION/DIMENSIONS

DOUBLE-INTERLOCK - Metric



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DODGE®

DOUBLE-INTERLOCK - Metric

METRIC DOUBLE INTERLOCK "S-1" UNITS - FRAY IRON			
SHAFT SIZE #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
35mm	**023700**	S1U-DI-035M	5
40mm	**023701**	S1U-DI-040M	6
45mm	**023702**	S1U-DI-045M	8
50mm	**023703**	S1U-DI-050M	8
55mm	**023704**	S1U-DI-055M	10
60mm	**023705**	S1U-DI-060M	11
65mm	**023706**	S1U-DI-065M	10
70mm	**023707**	S1U-D9-070M	17
75mm	**023708**	S1U-DI-075M	17
80mm	**023709**	S1U-DI-080M	33
85mm	**023710**	S1U-DI-085M	32
90mm	**023711**	S1U-DI-090M	31
100mm	**023712**	S1U-DI-100M	42
110mm	**023713**	S1U-D1-110M	55
115mm	**023714**	S1U-DI-115M	71
125mm	**023715**	S1U-DI-125M	85

For housing references see the following pages: Pillow Blocks (B6-22 - B6-25) Flange Bearings (B6-26 - B6-29)

SHAFT SIZE (mm)	A	B	C	E		H DIA	K	L	M
				MACH SIZE	CAST SIZE				
35mm	3.00	2.063	1.156	3.250	3-5/16	0.688	3.625*	2.750	2.640
40mm	3.375	2.313	1.188	3.750	3-13/16	.0688	4.125*	3.188	2.890
45mm 50mm	3.500	2.875	1.500	4.125	4-3/16	0.688	4.562*	3.438	3.100
55mm	3.750	2.563	1.563	4.500	4-5/8	0.688	5.000*	3.750	3.320
60mm 65mm	4.000	2.750	1.438	4.812	4-7/8	0.688	5.186*	4.063	3.410
70mm 75mm	4.500	3.000	1.875	5.563	5-5/8	0.688	6.061*	4.719	3.850
80mm 85mm 90mm	5.000	3.500	2.00	6.813	6-7/8	0.688	7.373#	5.531	4.510
100mm	6.250	4.500	2.375	7.438	7-1/2	0.313	7.997#	6.125	5.160
110mm 115mm	6.750	4.625	2.375	8.313	8-3/8	0.313	8.872#	6.438	5.600
125mm	7.250	5.125	2.875	9.563	9-5/8	0.313	10.184#	7.438	6.260

ALL DIMENSIONS ARE SHOWN IN INCHES

* +.000 to -.001"
# +/-.0005"

NOTES

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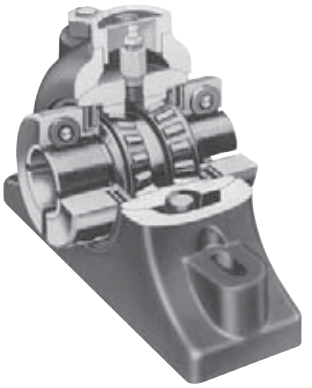
FEATURES/BENEFITS

DODGE®

Speciality Tapered Products
TYPE C

- Positive Concentric Clamp Sleeve Mounting
- Steel Multiple Labyrinth Seals
- 2 Quality Single Row
- Tapered Roller Assemblies
- Rugged Two-Piece Housing
- Elongated Bolt Holes



2-1/2” to 5” NE Construction Shown, Expansion also Available

CLAMP SLEEVE MOUNTING -

- Two quality single row tapered bearings press fitted on sleeve
- Outer races shouldered against rib in housing
- Offers improved concentricity over other collar mounted types of bearings
- Best bearing unit for wheel or sprocket applications
- Two piece split collars used on 2-1/2” and larger sizes
- Single piece split collars, used on smaller sizes
- Performs flinger like function keeping many materials away from seal

STEEL MULTIPLE LABYRINTH SEALS

- Combine with collars offering excellent resistance to keep contaminants out of the bearing
- Seal bearing both on and off the shaft before, during and after installation
- Especially well suited on applications where dirt and dust are severe

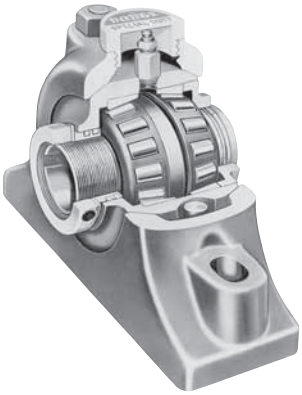
RUGGED TWO PIECE OUTER HOUSING

- Split housing of heavy duty gray iron construction houses completely assembled inner unit
- Elongated bolt holes provide lateral adjustment for ease of installing pillow blocks

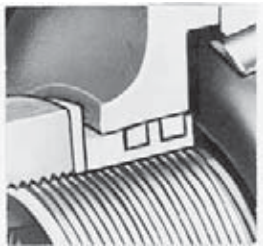
DODGE®

Speciality Tapered Products SPECIAL DUTY

- Quality Duplex Tapered
- Roller Bearing
- Tapered Adapter Sleeve
- Mounting
- Effective Piston Ring Seals
- Rugged Two-Piece Housing
- Elongated Bolt Holes



1-3/8” to 3-1/2” NE Type Construction Shown



SPECIAL DUTY PILLOW BLOCKS DUAL PISTON RING SEALS -

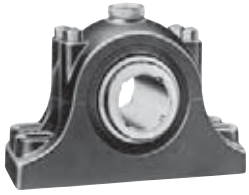
- Contained within self aligning inner unit, to be unaffected by misalignment
- Seal bearing both on and off the shaft before, during and after installation
- Extremely close clearances to exclude most materials from entering bearings

TAPERED ADAPTER SLEEVE MOUNTING

- A split tapered adapter sleeve extending thru the entire length of the pillow block is used to securely fasten the bearing to the shaft tighter than shorter adapter sleeves
- A single adapter nut is used on sizes 3-1/2” and smaller with two adapter nuts being used on the larger sizes. The adapter nut at the large end of the taper can be used to remove the bearing from the shaft

DUPLEX TAPERED ROLLER BEARING

- Uses case hardened inner race, outer races and rollers with adapter sleeve mounting resulting in unsurpassed load handling capability and longer useful bearing life
- Handles any combination of radial and thrust load from 100% radial load to 100% thrust load



RUGGED TWO PIECE OUTER HOUSING

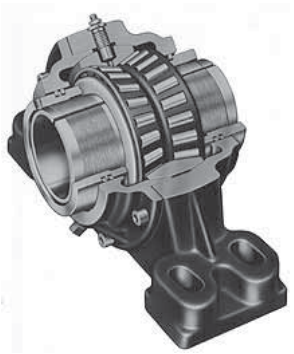
- Split housing of heavy duty gray iron construction houses completely assembled inner unit
- Elongated bolt holes provide lateral adjustment for ease of installing pillow blocks

FEATURES/BENEFITS

DODGE®

Speciality Tapered Products ALL STEEL

- Quality Duplex Tapered Roller Bearing
- Tapered Adapter Sleeve Mounting
- Dual Piston Ring Seals
- Solid One-Piece Cast Steel Housing

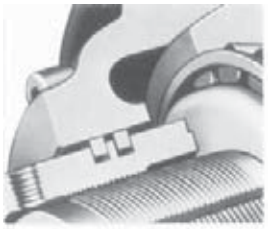


DUPLEX TAPERED ROLLER BEARING

- Uses case hardened inner race, outer races and rollers with adapter sleeve mounting resulting in unsurpassed load handling capability and longer useful bearing life.
- Handles any combination of radial and thrust load from 100% radial load to 100% thrust load

TAPERED ADAPTER SLEEVE MOUNTING

- A split tapered adapter sleeve extending thru the entire length of the pillow block is used to securely fasten the bearing to the shaft tighter than shorter adapter sleeves
- Two ductile iron adapter nuts are used with the All Steel pillow blocks. The adapter nut at the small end of the taper is used to tighten the bearing to the shaft with the adapter nut at the large end of the taper used to remove the bearing from the shaft.



DUAL PISTON RING SEALS

- Dual piston ring seals are housed in accurately machined grooves in the adapter nuts resulting efficient labyrinth sealing action throughout the full range of misalignment.
- Seal bearing both on and off the shaft before, during and after installation

RUGGED TWO PIECE OUTER HOUSING

- Vertically split housing of heavy duty cast steel ribbed construction houses duplex tapered roller bearing.
- Elongated bolt holes provide lateral adjustment for ease of installing pillow blocks

SPECIFICATION

DODGE®

Type C

The standard housing material for Type C mounted bearings is ASTM A48 Class 30 Iron having a minimum tensile strength of 30,000 psi. The outer housings for the pillow blocks and flange bearings are of split construction for ease of replacement of the completely assembled, adjusted and lubricated inner units. The housings for the take-ups, hanger bearings, D, S-1 and B-1 units are of solid one piece construction. Pillow blocks and flange bearings are available in both expansion and non-expansion styles. Take up and hanger bearings are available as non expansion only.

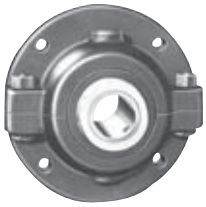
The Type C mounted bearing has indirect mounted tapered roller bearings press fitted on a common sleeve with the outer race shouldered against a rib in the housing. The tapered roller bearings used in the Type C mounted bearings all have case carburized inner races (cones), outer races (cups) and rollers.

The Type C bearing is mounted to the shaft by clamping the sleeve to the shaft at the slotted threaded end of the sleeve with flinger collars. These collars are one piece construction for sizes thru 2-1/2", with larger sizes using collars of two piece construction. The bearing rating for the type C is determined by the sleeve resulting in a L10 life at maximum speed of at least 100,000 hours.

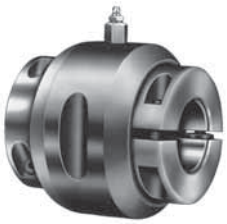
Steel multiple labyrinth seals are used to offer extra resistance to keep contaminants out of the bearing before, during, and after installation.

TYPE C AVAILABLE IN

PILLOW BLOCKS, 2 BOLT BASE	1-3/16" TO 3-7/16"
PILLOW BLOCKS, 4 BOLT	2-3/8" TO 4-15/16"
FLANGE BEARINGS 4 BOLT	1-3/16" TO 3-7/16"
ALL IN EITHER EXPANSION OR NON-EXPANSION	



HANGER BEARINGS	1-15/16" TO 3-7/16"
TAKE-UP BEARINGS	1-3/16" TO 2-15/16"



D, S-1 OR B-1 UNITS	1-3/16" TO 4-15/16"

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HOW TO ORDER

Type C

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B7-7 and add any special instructions to the end of the description for options not covered by the nomenclature.

SPECIAL BEARING REQUIREMENTS AND SPECIAL LUBRICANTS

DODGE Type C Bearings are factory adjusted and pre-lubricated. For applications where extreme ambient temperatures, high speeds or high loads are expected, a variety of specialty lubricants and adjustments are available. Standard grease provided is Mobilith AW2 for bore size up to 5". Above 5" bore, Mobilux EP #2 is standard. Special lubricant options usually involve set-up charges and premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example:

065294 except with Mobil Grease HTS #2 grease

or

P2B-C-207 except with Mobil Grease HTS #2 grease

OTHER SPECIAL REQUIREMENTS NOT LISTED

For applications requiring modifications not listed, we encourage you to contact our Customer Order Engineering Department for Bearings at 864-284-5700.

NOMENCLATURE

Specialty Tapered Products

Type C, Special Duty and All Steel

P2B - C - 207 - E

HOUSING STYLE STYLE	BEARING TYPE	SIZE	OTHER DATA
P2B = PILLOW BLOCK 2 BOLT, CAST IRON	C = TYPE C	INCHES & 16TH	E = EXPANSION TYPE BEARING
P4B = PILLOW BLOCK 4 BOLT, CAST IRON	SD = SPECIAL DUTY	2 = 2 INCHES	IF E DOES NOT APPEAR AFTER SEAL TYPE, THEN BEARING IS NON-EXPANSION TYPE
SP4B = PILLOW BLOCK 4 BOLT, CAST STEEL	HC = HINGED CAP	07 = 7/16 INCHES OR 207 = 2-7/16”	
F4B = FLANGE BEARING 4 BOLT, CAST IRON	TRW - TRACTION WHEEL		
B1U = B-1 UNIT, CAST IRON	AS = ALL STEEL		
DU = D UNIT, CAST IRON			
S1U = S-1 UNIT, CAST IRON			
CRT = CARTRIDGE UNIT DUCTILE IRON END PLATES			
NSTU = NARROW SLOT TAKE UP BEARING, CAST IRON			
HNG = HANGER BEARING CAST IRON			

Type C

Type C Bearing

The capacity of the Type C bearing is designed to handle loads normally imposed on the shaft. However, due to the assembly method and method of fastening the bearing to the shaft, there are necessary clearances between the sleeve and the shaft except at the two ends. Consequently, under heavy loads a flexing and stressing of the sleeve will take place as the shaft rotates. For this reason, the Radial Load Ratings shown in Table 1 are based on the sleeve capacity under maximum clearance conditions rather than on the capacity of the roller bearings themselves.

Sleeve capacity being independent of speed, the table gives maximum recommended bearing loads at all allowable speeds and is based on the use of standard cold finished shafting with commercial undersize tolerances.

Type C bearings are primarily utilized on radial load applications. They have ample thrust capacity for use as the locating bearing normally encountered with this type service. If heavy thrust loads are involved, Application Engineering should be contacted for a review of the application. The maximum thrust load should not exceed Type C pillow block limits shown on page B7-9.

Since these ratings are considerably less than the base bearing ratings, the resulting life expectancy is, for all practical purposes, contingent only on proper lubrication.

Table 1: Type C radial Load Ratings

Shaft Size Inches	Radial Load Rating (Lbs.) *	Max. RPM
1-3/16 - 1-7/16	725	3000
1-1/2 - 1-3/4	1000	3000
1-15/16	1350	2500
2 - 2-1/4	1700	2500
2-3/8 - 2-7/16	2100	2000
2-1/2 - 2-15/16	3000	1750
3 - 3-7/16	4000	1500
3-1/2 - 4	5500	1250
4-7/16 - 4-1/2	6500	1000
4-15/16 - 5	7500	750

* More than 100,000 L10 hours life at Max. RPM listed.

Type C

Table 2: Type C Expansion Capability, Inches

Shaft Size, Inches	Type C		
	2-Bolt Pillow Block	4-Bolt Pillow Block	Flange
1-3/16 - 1-7/16	3/16	--	3/16
1-1/2 - 1-3/4	5/8	--	1/4
1-15/16	5/8	--	1/4
2 - 2-1/4	5/8	--	1/4
2-3/8 - 2-7/16	5/8	5/8	1/4
2-1/2 - 2-15/16	3/4	5/8	5/8
3 - 3-7/16	3/4	3/4	1/4
3-1/2 - 4	--	3/4	1/4
4-7/16 - 4-1/2	--	3/4	5/8
4-15/16 - 5	--	3/4	5/8

Table 3: Type C Pillow Block Permissible Thrust Load

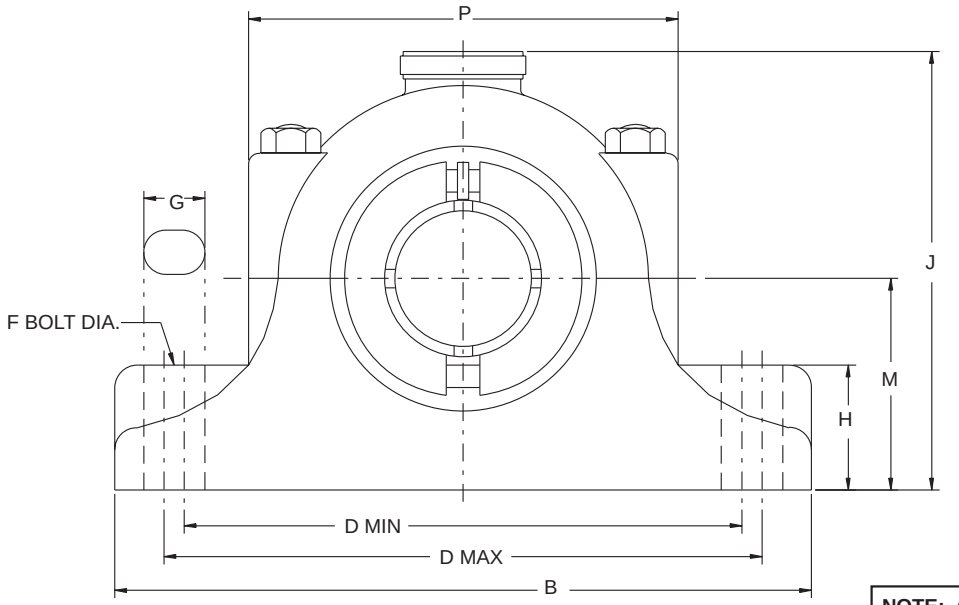
Shaft Size, Inches	Thrust loads, lbs	
	2-Bolt	4-Bolt
1-3/16 - 1-7/16	3000	--
1-1/2 - 1-3/4	3150	--
1-15/16	5000	--
2 - 2-3/16	5000	--
2-3/8 - 2-7/16	7300	10000

Shaft Size, Inches	Thrust loads, lbs	
	2-Bolt	4-Bolt
2-1/2 - 2-15/16	6900	9300
3 - 3-7/16	5700	12000
3-1/2 - 4	--	12000
4-7/16 - 4-1/2	--	12000
4-15/16 - 5	--	16500

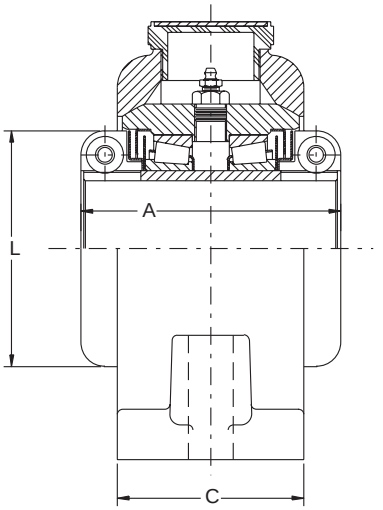
* The limits in above apply to pillow blocks. For thrust loads larger than listed or heavy thrust loading on other style housings, contact DODGE Engineering for recommendation.

SELECTION/DIMENSIONS

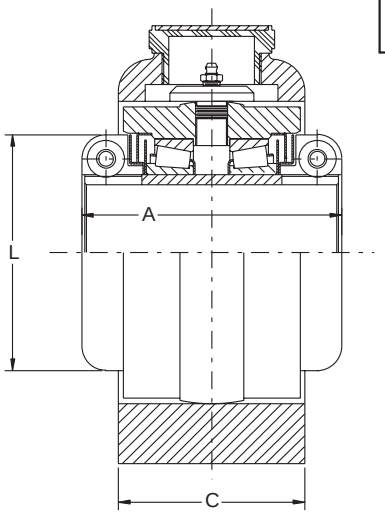
Type C Pillow Block - Inch
2-BOLT BASE



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



NON-EXPANSION CONSTRUCTION



EXPANSION CONSTRUCTION

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DODGE®

Type C Pillow Block - Inch

2-BOLT BASE

GRAY IRON NON-EXPANSION*			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**065289**	P2B-C-103	21
1-1/4	**065311**	P2B-C-104	20
1-7/16	**065290**	P2B-C-107	20
1-1/2	**065312**	P2B-C-108	28
1-11/16	**065291**	P2B-C-111	28
1-3/4	**065238**	P2B-C-112	26
1-15/16	**065292**	P2B-C-115	29
2	**065313**	P2B-C-200	47
2-3/16	**065293**	P2B-C-203	47
2-1/4	**065314**	P2B-C-204	47
2-7/16	**065294**	P2B-C-207	57
2-1/2	**065315**	P2B-C-208	83
2-11/16	**065295**	P2B-C-211	83
2-7/8	**065244**	P2B-C-214	83
2-15/16	**065296**	P2B-C-215	83
3	**065316**	P2B-C-300	132
3-3/16	**065317**	P2B-C-303	132
3-7/16	**065297**	P2B-C-307	128

* FURNISHED UNLESS OTHERWISE SPECIFIED
# CONSULT DODGE FOR SIZES NOT LISTED.

GRAY IRON EXPANSION			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/16	**087262**	P2B-C-103E	22
1-1/4	**087263+**	P2B-C-104E	22
1-7/16	**087180**	P2B-C-107E	20
1-1/2	**087264**	P2B-C-108E	28
1-11/16	**087181**	P2B-C-111E	28
1-3/4	**087172+**	P2B-C-112E	28
1-15/16	**087182**	P2B-C-115E	29
2	**087265**	P2B-C-200E	49
2-3/16	**087183**	P2B-C-203E	49
2-1/4	**087266**	P2B-C-204E	49
2-7/16	**087184**	P2B-C-207E	57
2-1/2	**087267**	P2B-C-208E	90
2-11/16	**087185**	P2B-C-211E	90
2-7/8	**087178**	P2B-C-214E	90
2-15/16	**087186**	P2B-C-215E	90
3	**087268**	P2B-C-300E	135
3-3/16	**087269**	P2B-C-303E	135
3-7/16	**087187**	P2B-C-307E	131

CONSULT DODGE FOR SIZES NOT LISTED.
\+ NON-STOCK - CONSULT DODGE FOR DELIVERY

SHAFT SIZE INCHES	A	B*	C*	D		F BOLT DIA.	G*	H*	J	L Δ	M	P*	EXP**
				MIN.	MAX.								
1-3/16 1-1/4 1-7/16	4-1/2	9	3	6-7/8	7-5/8	1/2	1	2-1/8	6-1/4	3-3/32	2-7/8	5-7/8	3/16
1-1/2 1-11/16 1-3/4	4-7/8	9-1/2	3-3/8	7-3/8	8-1/8	1/2	13/16	2-3/8	6-13/16	3-1/2	3-1/8	6-1/2	5/8
1-15/16	5-1/4	11	3-1/2	8-1/2	9	5/8	1-1/4	2-1/2	7-1/8	3-7/8	3-1/4	7-3/8	5/8
2 2-3/16 2-1/4	5-3/4	12	4	9-1/4	10-1/4	5/8	1-3/16	2-7/8	8	4-3/8	3-3/4	8	5/8
2-7/16	6	13-1/4	4-1/4	10-1/8	11-3/8	3/4	1-1/2	3	8-9/16	4-21/32	4	8-7/8	5/8
2-1/2 2-11/16 2-7/8 2-15/16	6-1/2	14-1/4	4-3/4	11-1/8	12-3/8	3/4	1-1/2	3-3/4	9-7/8	5-7/16	4-3/4	9-7/8	3/4
3 3-3/16 3-7/16	7	16-3/4	5-1/2	13-1/4	14-1/4	7/8	1-1/2	4	11-3/8	5-15/16	5-1/2	11-5/8	3/4

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

Δ A One-piece Collar Furnished Up Thru 2-7/16 Sizes. Larger Sizes Use A Two-piece Collar.

* These Are As Cast Surfaces. Dimensions May Fluctuate Due To Draft Angles And Pattern Shifts

** EXP - Total Expansion For Expansion Bearing Only

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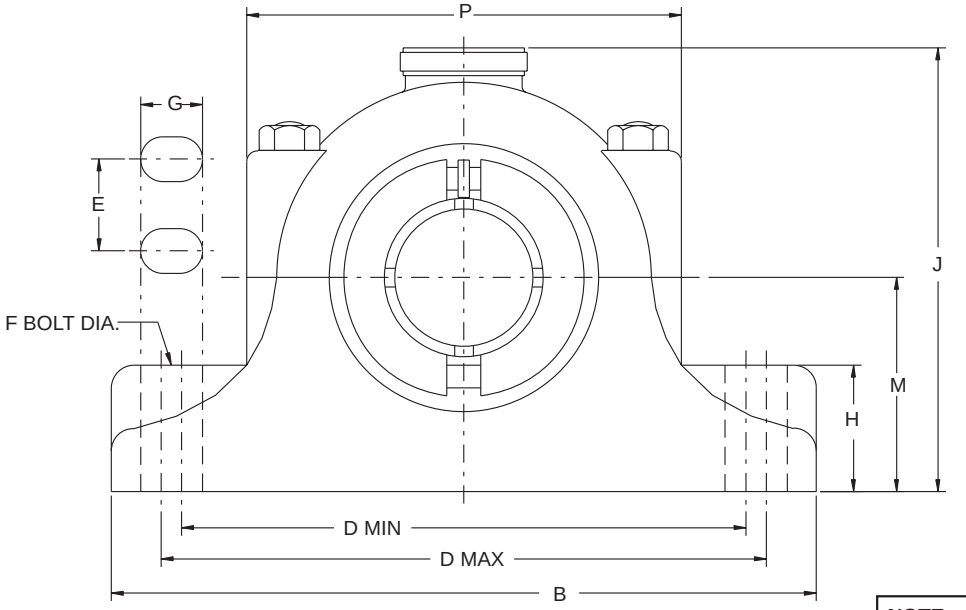
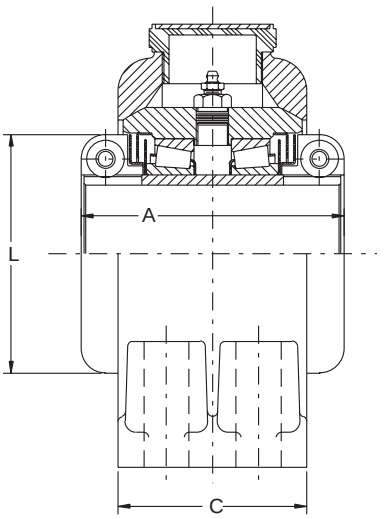
SELECTION/DIMENSIONS

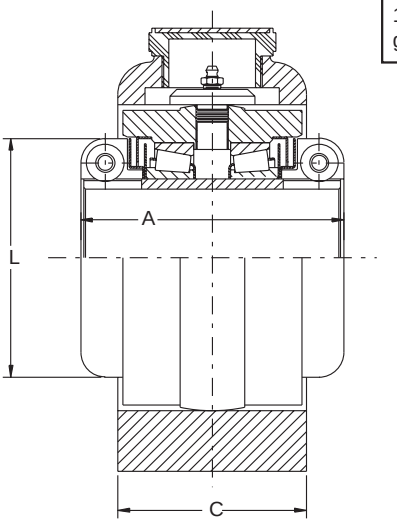
Type C Pillow Block - Inch
4-BOLT BASE



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



NON-EXPANSION CONSTRUCTION



EXPANSION CONSTRUCTION

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Type C Pillow Block - Inch
4-BOLT BASE

GRAY IRON NON-EXPANSION*			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
2-7/16	**065310**	P4B-C-207	59
2-15/16	**065302**	P4B-C-215	85
3-7/16	**065303**	P4B-C-307	130
3-15/16	**065298**	P4B-C-315	230
4-7/16	**065299**	P4B-C-407	280
4-15/16	**065300**	P4B-C-415	370

* FURNISHED UNLESS OTHERWISE SPECIFIED

CONSULT DODGE FOR SIZES NOT LISTED.

GRAY IRON EXPANSION			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
2-7/16	**087191**	P4B-C-207E	59
2-15/16	**087192**	P4B-C-215E	85
3-7/16	**087193**	P4B-C-307E	135
3-15/16	**087188**	P4B-C-315E	230
4-7/16	**087189**	P4B-C-407E	290
4-15/16	**087190**	P4B-C-415E	380

CONSULT DODGE FOR SIZES NOT LISTED.

SHAFT SIZE INCHES	A	B*	C*	D		E	F BOLT DIA.	G*	H*	J	L Δ	M	P*	EXP**
				MIN.	MAX.									
2-7/16	6	13-1/4	4-1/4	10	11-1/2	2-1/2	5/8	1-1/2	3	8-9/16	4-21/32	4	8-7/8	5/8
2-15/16	6-1/2	14-1/4	4-3/4	11	12-1/2	2-3/4	5/8	1-1/2	3-3/4	9-7/8	5-7/16	4-3/4	9-7/8	5/8
3-7/16	7	16-3/4	5-1/2	12-7/8	14-5/8	3-1/4	3/4	1-1/2	4	11-3/8	5-15/16	5-1/2	11-5/8	3/4
3-15/16	9-1/2	19	7	15	16	3-1/4	7/8	1-1/2	4	13-3/8	7-3/8	6-3/8	13-7/8	3/4
4-7/16	10	20	7-1/2	15-5/8	17-3/8	3-1/2	7/8	1-7/8	4	14-1/2	8-3/8	7-1/4	15-1/4	3/4
4-15/16	11-1/4	23	8-1/4	17-3/4	19-3/4	3-3/4	1	2-1/8	4-1/4	15-5/8	9-3/8	7-1/2	16-3/4	3/4

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

Δ A One-piece Collar Furnished Up Thru 2-7/16 Sizes. Larger Sizes Use A Two-piece Collar.

* These Are As Cast Surfaces. Dimensions May Fluctuate Due To Draft Angles And Pattern Shifts

** EXP - Total Expansion For Expansion Bearing Only

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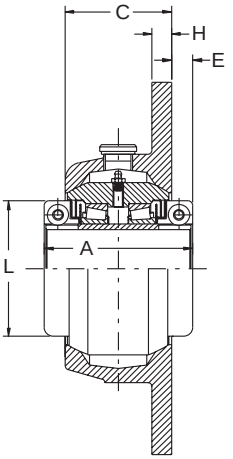
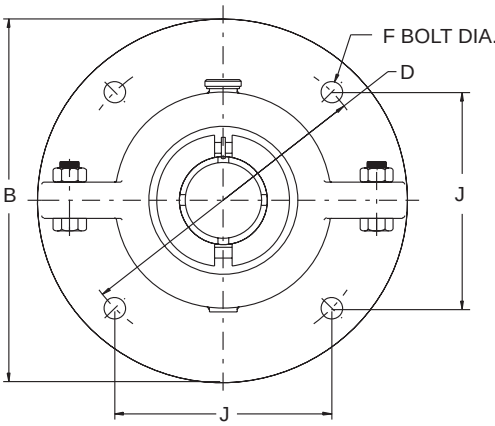
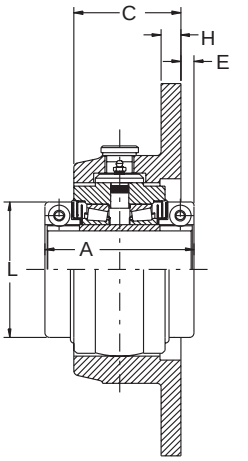
SELECTION/DIMENSIONS

Type C Flange Bearing - Inch



NON-EXPANSION CONSTRUCTION





EXPANSION CONSTRUCTION

GRAY IRON NON-EXPANSION*			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**104040**	F4B-C-107	21
1-11/16	**104041**	F4B-C-111	31
1-3/4	**104106**	F4B-C-112	31
1-15/16	**104042**	F4B-C-115	37
2-3/16	**104043**	F4B-C-203	49
2-7/16	**104044**	F4B-C-207	63
2-15/16	**104045**	F4B-C-215	98
3	**104119**	F4B-C-300	140
3-7/16	**104046**	F4B-C-307	140

* FURNISHED UNLESS OTHERWISE SPECIFIED

CONSULT DODGE FOR SIZES NOT LISTED.

GRAY IRON EXPANSION			
SHAFT SIZE Inches#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**104050**	F4B-C-107E	21
1-11/16	**104051**	F4B-C-111E	31
1-3/4	**104078**	F4B-C-112E	31
1-15/16	**104052**	F4B-C-115E	38
2-3/16	**104053**	F4B-C-203E	49
2-7/16	**104054**	F4B-C-207E	63
2-15/16	**104055**	F4B-C-215E	98
3	**104090**	F4B-C-300E	140
3-7/16	**104056**	F4B-C-307E	140

CONSULT DODGE FOR SIZES NOT LISTED.

FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-6	NOMENCLATURE PAGE B7-7	SELECTION PAGE B7-8

Type C Flange Bearing - Inch

SHAFT SIZE INCHES	A	B	C	D	E	F BOLT DIA.	H	J	L Δ	EXP*
1-7/16	4-1/2	8-1/4	3	7	3/4	1/2	5/8	4.950	3-3/32	3/16
1-11/16 1-3/4	4-7/8	9	3-3/8	7-5/8	3/4	1/2	11/16	5.392	3-1/2	1/4
1-15/16	5-1/4	10	3-1/2	8-3/8	7/8	5/8	3/4	5.922	3-7/8	1/4
2-3/16	5-3/4	10-3/4	4	9-1/8	7/8	5/8	13/16	6.452	4-3/8	1/4
2-7/16	6	12	4-1/4	10-1/4	7/8	3/4	7/8	7.248	4-21/32	1/4
2-15/16	6-1/2	13	4-5/8	11-1/4	15/16	3/4	1	7.955	5-7/16	5/8
3 3-7/16	7	14-1/2	5-3/8	12-1/2	13/16	7/8	1-1/8	8.839	5-15/16	1/4

Δ A One-Piece Collar Furnished Up Thru 2-7/16 Sizes. Larger Sizes Use A Two-Piece Collar.

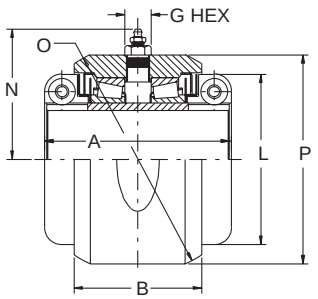
* EXP - Total Expansion For Expansion Bearing Only.

FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-6	NOMENCLATURE PAGE B7-7	SELECTION PAGE B7-8

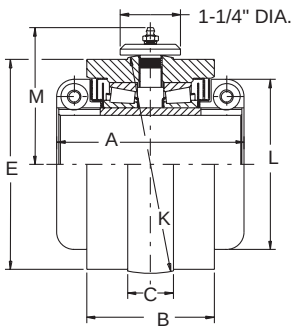
SELECTION/DIMENSIONS

DODGE®

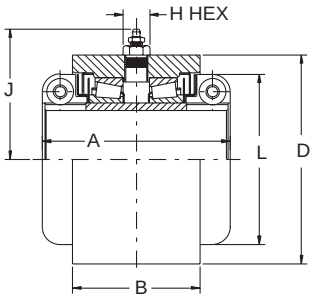
Type C Units - Inch



D UNIT
USED IN NON-EXPANSION HOUSINGS



S-1 UNIT
USED IN EXPANSION HOUSINGS



B-1 UNIT
USED IN CUSTOMER MANUFACTURED HOUSINGS

Type C UNITS - INCHES							
SHAFT SIZE INCHES #	D UNITS		S-1 UNITS		B-1 UNITS		WEIGHT LBS (APPROX)
	PART NUMBER	PART NAME	PART NUMBER	PART NAME	PART NUMBER	PART NAME	
1-7/16	**065282**	DU-C-107	**087199**	S1U-C-107	**069060**	B1U-C-107	7
1-1/2	**065258**	DU-C-108	**087205**	S1U-C-108	**- - - -**	- - - -	11
1-11/16	**065283**	DU-C-111	**087200**	S1U-C-111	**069061**	B1U-C-111	11
1-3/4	**065260**	DU-C-112	**087207**	S1U-C-112	**- - - -**	- - - -	11
1-15/16	**065284**	DU-C-115	**087194**	S1U-C-115	**069062**	B1U-C-115	12
2	**065262**	DU-C-200	**087209**	S1U-C-200	**069034**	B1U-C-200	18
2-3/16	**065285**	DU-C-203	**087195**	S1U-C-203	**069063**	B1U-C-203	17
2-1/4	**065265**	DU-C-204	**087215**	S1U-C-204	**- - - -**	- - - -	17
2-7/16	**065286**	DU-C-207	**087196**	S1U-C-207	**069064**	B1U-C-207	20
2-1/2	**- - - -**	- - - -	**- - - -**	- - - -	**069039**	B1U-C-208	35
2-11/16	**065268**	DU-C-211	**087218**	S1U-C-211	**- - - -**	- - - -	34
2-7/8	**065270**	DU-C-214	**087220**	S1U-C-214	**- - - -**	- - - -	34
2-15/16	**065287**	DU-C-215	**087197**	S1U-C-215	**069065**	B1U-C-215	34
3	**065271**	DU-C-300	**087221**	S1U-C-300	**- - - -**	- - - -	55
3-3/16	**- - - -**	- - - -	**087222**	S1U-C-303	**069045**	B1U-C-303	53
3-1/4	**- - - -**	- - - -	**- - - -**	- - - -	**069046**	B1U-C-304	53
3-7/16	**065288**	DU-C-307	**087198**	S1U-C-307	**069066**	B1U-C-307	51
3-1/2	**065274**	DU-C-308	**087224**	S1U-C-308	**- - - -**	- - - -	115
3-11/16	**- - - -**	- - - -	**087225**	S1U-C-311	**- - - -**	- - - -	115
3-15/16	**065304**	DU-C-315	**087210**	S1U-C-315	**069067**	B1U-C-315	115
4	**- - - -**	- - - -	**- - - -**	- - - -	**069069**	B1U-C-400	115
4-7/16	**065305**	DU-C-407	**087211**	S1U-C-407	**- - - -**	- - - -	138
4-15/16	**065306**	DU-C-415	**087212**	S1U-C-415	**- - - -**	- - - -	190

#CONSULT DODGE FOR SIZES NOT LISTED.

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Type C Units - Inch

SHAFT SIZE INCHES	A	B	C	D**	E	G HEX	H	J	K**	L	M	N	O**	P
1-7/16	4-1/2	2-11/16	3/4	3-7/8	3-13/16	7/16	5/8	3-1/8	4-1/16*	3-3/32	2-11/16	2-1/2	4-7/16	3-15/16
1-1/2 1-11/16 1-3/4	4-7/8	3-1/8	3/4	4-1/4	4-1/8	7/16	5/8	3-5/16	4-7/16*	3-1/2	2-7/8	2-3/4	5	4-1/2
1-15/16	5-1/4	3-1/4	7/8	4-3/4	4-1/2	7/16	5/8	3-9/16	4-13/16*	3-7/8	3-1/16	2-7/8	5-5/16	4-3/4
2 2-3/16 2-1/4	5-3/4	3-3/4	7/8	5-1/4	5	7/16	5/8	3-13/16	5-3/8*	4-3/8	5-5/16	3-3/16	6	5-3/8
2-7/16	6	4	1	5-3/4	5-5/16	5/8	5/8	4-1/16	5-11/16*	4-21/32	3-1/2	4-3/32	6-3/8	5-11/16
2-1/2 2-11/16 2-7/8 2-15/16	6-1/2	4-7/16	1	6-1/2	6-3/16	5/8	3/4	4-5/8	6-9/16*	5-7/16	4-1/2	4-1/2	7-5/16	6-1/2
3 3-3/16 3-1/4 3-7/16	7	5	1-1/4	7-3/4	7-1/2	5/8	3/4	5-1/4	8#	5-15/16	4-7/8	5-9/16	8-5/8	7-29/32
3-1/2 3-11/16 3-15/16 4	9-1/2	6-1/4	1-1/2	9-1/4	8-13/16	5/8	3/4	6	9-1/2#	7-3/8	5-5/8	6-3/8	10-1/4	9-3/4
4-7/16	10	6-5/8	1-3/4	10-1/2	9-15/16	3/4	3/4	6-5/8	10-5/8#	8-3/8	6-3/16	6-11/16	11-1/8	10-3/8
4-15/16	11-1/4	7-3/8	2	11-3/4	10-15/16	3/4	3/4	7-1/4	11-1/2#	9-3/8	6-5/8	7-7/16	12-1/2	11-7/8

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

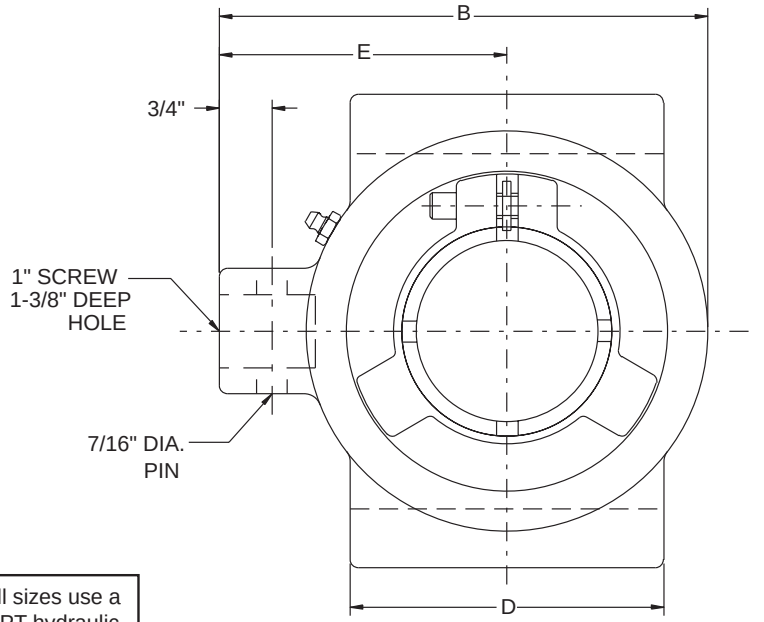
- .002
** + .000

Δ A One-Piece Collar Furnished Up Thru 2-7/16 Sizes. Larger Sizes Use A Two-Piece Collar

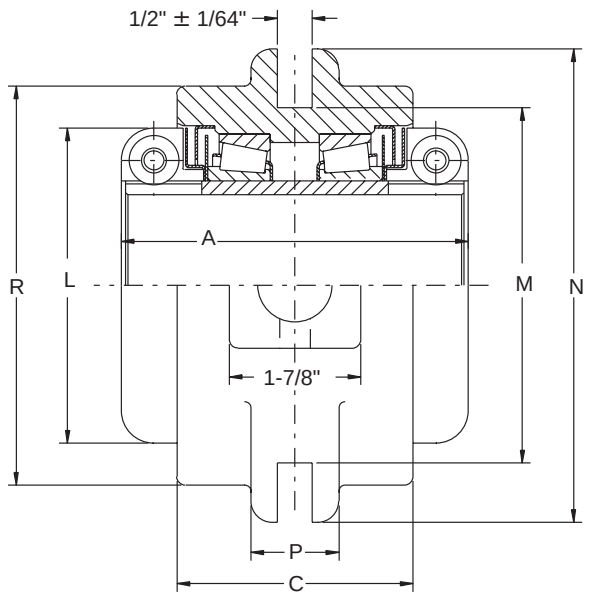
FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-6	NOMENCLATURE PAGE B7-7	SELECTION PAGE B7-8

SELECTION/DIMENSIONS

Type C Take-Up Bearing



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



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Type C Take-Up Bearing

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-7/16	**036116**	NSTU-C-107	12
1-1/2	**036054**	NSTU-C-108	15
1-15/16	**036118**	NSTU-C-115	18
2-3/16	**036119**	NSTU-C-203	26
2-7/16	**036120**	NSTU-C-207	27
2-15/16	**036121**	NSTU-C-215	37

CONSULT DODGE FOR SIZES NOT LISTED.

SHAFT SIZE INCHES	A	B	C	D	E	L	M	N	P	R
1-7/16	4-1/2	5-5/8	2-11/16	2-1/2	3-5/8	3-3/32	5-1/8	6-1/4	1-1/4	4
1-1/2	4-7/8	5-7/8	3-1/8	3	3-5/8	3-1/2	5-1/8	6-1/4	1-1/4	4-1/4
1-15/16	5-1/4	6	3-1/4	3-1/2	3-5/8	3-7/8	5-1/8	6-1/4	1-1/4	4-3/4
2-3/16	5-3/4	7	3-3/4	4-1/2	4-1/8	4-3/8	5-1/8	6-1/4	1-1/4	5-3/4
2-7/16	6	7	4	4-1/2	4-1/8	4-21/32	5-1/8	6-1/4	1-1/4	5-3/4
2-15/16	6-1/2	7-3/4	4-7/16	5	4-1/2	5-7/16	6-1/8	7-1/4	1-1/4	6-1/2

Note: All sizes use a 1/8-27 NPT hydraulic grease fitting

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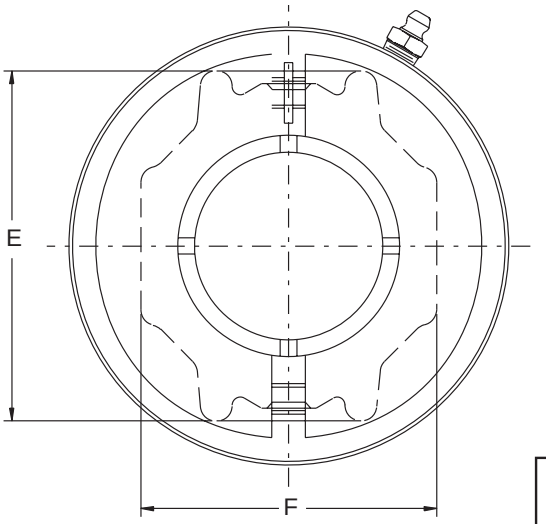
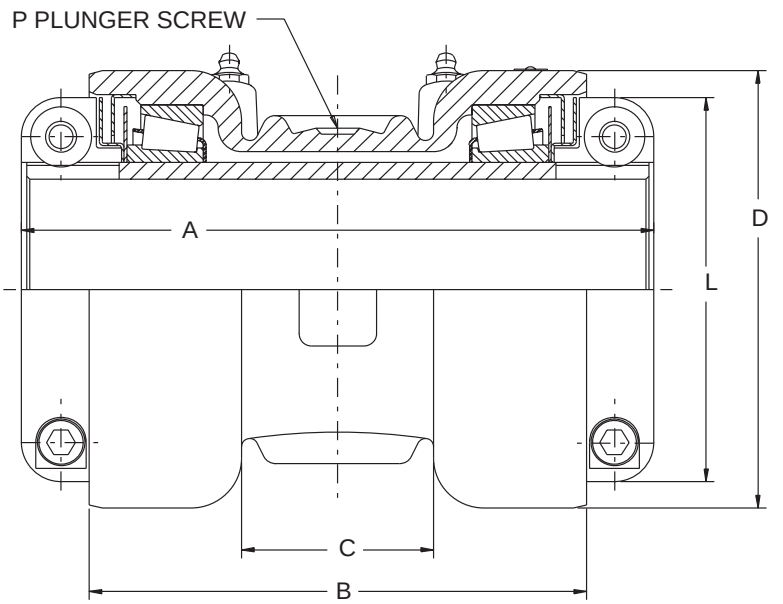
SELECTION/DIMENSIONS

Type C Hanger Bearing



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



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Type C Hanger Bearing

GRAY IRON			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-15/16	**061082**	HNG-C-115	16
2-3/16	**061083**	HNG-C-203	21
2-7/16	**061084**	HNG-C-207	30
2-11/16	**061085**	HNG-C-211	41
2-15/16	**061086**	HNG-C-215	40
3-7/16	**061087**	HNG-C-307	51

CONSULT DODGE FOR SIZES NOT LISTED.

SHAFT SIZE INCHES	A	B	C	D	E	F	L	P
1-15/16	8-1/4	6-1/4	2-3/4	4-5/8	3-3/8	2-15/16	3-7/8	5/8, 1-1/2
2-3/16	8-7/8	6-7/8	3	5-1/8	3-3/4	3-5/16	4-3/8	5/8, 1-1/2
2-7/16	9-5/8	7-5/8	3	5-3/8	4-1/8	3-1/2	4-21/32	5/8, 1-1/2
2-11/16 2-15/16	10-3/8	8-1/4	3-1/4	6-1/4	4-5/8	4	5-7/16	3/4, 2
3-7/16	11-1/4	9-1/4	4	6-3/4	5-1/8	4-1/2	5-15/16	3/4, 2-1/2

Note: All sizes use a 1/8-27 NPT hydraulic grease fitting

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SPECIFICATION

Special Duty

The standard housing material for Special Duty mounted bearings is ASTM A48 Class 30 Iron having a minimum tensile strength of 30,000 psi. The outer housings for the pillow blocks and flange bearings are of split construction for ease of replacement of the completely assembled, adjusted and lubricated inner units. The housings for the D, S-1 and B-1 units are of solid one piece construction. Pillow blocks and flange bearings are available in both expansion and non expansion types.

Special Duty mounted bearings have duplex tapered roller mounted to the shaft with a tapered adaptor sleeve extending thru the complete length of the pillow block. The tapered roller bearings used in the Special Duty mounted bearings all have case carburized inner races (cone), outer races (cup) and rollers. A single adapter nut is used on sizes thru 3-1/2" with two adaptor nuts being used on the larger sizes. The nut at the large end of the taper can be used to remove the bearing from the shaft.

Special Duty mounted bearings have two piston ring seals running in grooves in the seal ring carriers at each end of the units to seal the bearings both on and off the shaft. Sizes thru 3-1/2" use a grooved seal ring carrier at one end and grooved adaptor at the opposite end for carrying the piston ring seals. Larger sizes have grooved adaptor nuts to carry the piston ring seals.

SPECIAL DUTY (hinged cap type)

The standard housing material for Special Duty hinged cap bearings is ASTM A48 Class 30 Iron having a minimum tensile strength of 30,000 psi. The housing is equipped with a brass hand wheel for ease of removal of the S-1 unit from the pillow block housing. Hinged cap pillow blocks are available in both expansion and non-expansion types.

Hinged cap pillow blocks and units are mounted to the shaft with a tapered adapter sleeve extending completely thru the unit. The tapered adapter sleeve is equipped with micro mount removal screws for ease of demounting the bearing from the shaft.

The hinged cap pillow blocks are arranged for relubrication from the end of the pillow block rather than from the top of the pillow block. Besides the features specified above the hinged cap pillow blocks have many other features in common with the special duty mounted bearings.

TRACTION WHEEL

The traction wheel is to be equipped with a ductile iron (ASTM 536 grade 65-45-10) hub, having indirect mounted tapered roller bearings mounted to ASTI 1018 shafting secured in a support and having drops of 7-3/16", 8" and 10". Combination labyrinth and dynaface seals shall be used.

SPECIAL DUTY AVAILABLE IN

PILLOW BLOCKS,
2-BOLT BASE
1-3/8" TO 3-1/2"

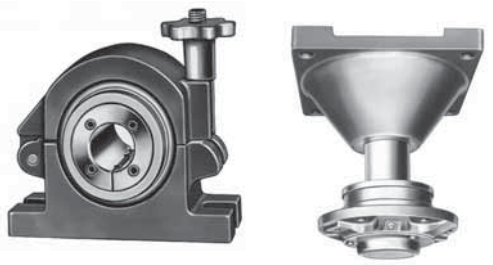
PILLOW BLOCKS,
4-BOLT BASE
2-1/4" TO 12"

FLANGE
BEARINGS
4-BOLT
1-3/16" TO 6"

ALL IN EITHER EXPANSION OR NON-EXPANSION
D, S1 & B1 UNITS 1-3/8" TO 12"

HINGED CAP PILLOW BLOCKS AVAILABLE IN
PILLOW BLOCKS, 2-BOLT BASE 1-3/8" TO 2-15/16"
ALL IN EITHER EXPANSION OR NON-EXPANSION

HINGED CAP S-1 UNITS 1-3/8" TO 2-15/16"



TRACTION WHEEL

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Special Duty

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page and add any special instructions to the end of the description for options not covered by the nomenclature.

SPECIAL BEARING REQUIREMENTS AND LUBRICANTS

DODGE Bearings are factory adjusted and pre-lubricated with lithium based NLGI Grade 2 grease. For applications where extreme ambient temperatures, high speeds or high loads are expected, a variety of specialty lubricants and adjustments are available. Special lubricant options usually involve set-up charges and premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example:

066231 except with Mobilith SHC 460 grease and .012-.015 Lateral End Play

or

P4B-SD-215 except with Mobilith SHC 460 grease and .012-.015 Lateral End Play

OTHER SPECIAL REQUIREMENTS NOT LISTED

For applications requiring modifications not listed, we encourage you to contact out Customer Order Engineering Department for Bearings at 864-284-5700.

NOMENCLATURE

DODGE®

Specialty Tapered Products

P2B - SD - 207 - E

HOUSING STYLE STYLE

P2B = PILLOW BLOCK
2 BOLT, CAST IRON

P4B = PILLOW BLOCK
4 BOLT, CAST IRON

SP4B = PILLOW BLOCK
4 BOLT, CAST STEEL

F4B = FLANGE BEARING
4 BOLT, CAST IRON

B1U = B-1 UNIT, CAST IRON

DU = D UNIT, CAST IRON

S1U = S-1 UNIT, CAST IRON

CRT = CARTRIDGE UNIT
DUCTILE IRON END PLATES

NSTU = NARROW SLOT TAKE UP
BEARING, CAST IRON

HNG = HANGER BEARING CAST IRON

BEARING TYPE

C = TYPE C

SD = SPECIAL DUTY

HC = HINGED CAP

TRW - TRACTION WHEEL

AS = ALL STEEL

SIZE

INCHES & 16TH
2 = 2 INCHES
07 = 7/16 INCHES
OR
207 = 2-7/16”

OTHER DATA

E = EXPANSION TYPE BEARING

IF E DOES NOT APPEAR AFTER SEAL TYPE, THEN BEARING IS NON-EXPANSION TYPE

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Special Duty

SPECIAL DUTY-DOUBLE ROW TAPERED ROLLER BEARINGS

DODGE Special Duty Double Row Tapered Roller Bearings have the highest capacity of all DODGE Tapered Roller Bearings. They carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE Special Duty Tapered Roller Bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864) 284-5700 for applications which exceed the recommendations of this catalog.

L_{10} Hours Life* --- The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10} = \left(\frac{C_{90}}{P}\right)^{10/3} X \left(\frac{1{,}500{,}000}{RPM}\right)$$

Where:

C_{90} = Dynamic Capacity (Table 4, pg. B7-28), lbs

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service --- For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life for pillow blocks. The maximum thrust load should not exceed values shown on Table 2. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening, shaft tolerance (see table below) and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM RANGE	20-200	201-2000	Over 2000
RECOMMENDED THRUST LOAD	$C_{90}/4$	$C_{90}/8$	$C_{90}/12$

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Table 9, pg. B7-31 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial load for flange units.

SHAFT SIZE	TOLERANCE, INCHES
UP TO 1-1/2”	+.000-.002”
1-9/16 TO 2-1/2”	+.000 -.003”
2-1/2 TO 4”	+.000-.004”
4-3/16 TO 6”	+.000-.005”
6-7/16 TO 8”	+.000-.006”

L10 Life Adjustment - The calculated L10 Life obtained from this procedure is subject to life adjustment factors in accordance with ABMA standards described on page B16-9. Consult Application Engineering for assistance.

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Special Duty

SELECTING BEARINGS SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R (F_R = P for Pure Radial Load Conditions). The DODGE program BEST can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 5, pg. B7-28 find, under the RPM column, the equivalent radial load that equals or is higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application. If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example:

1. L_{10} Life = 30,000 Hours
2. Radial load = 3800 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 5495 lbs. Exceeds the 3800 lbs. Radial load for shaft sizes 2-3/8" to 2-1/2". A bearing with bore ranging from 2-3/8" to 2-1/2" may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity C is identified in terms of L_{10}, RPM and P.

$$C_{90} = \left(\frac{L_{10} \times RPM}{1{,}500{,}000}\right)^{0.3} \times P$$

($P = F_R$ for Pure Radial Load Conditions)

Since the L_{10}, RPM, and P are known, solve for C_{90}. Select from the dynamic capacity column on Table 4, pg. B7-28 the C_{90} value equal to or greater than the C_{90} value just calculated. The bore size on the far left represents the bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 4. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 4 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

★ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at **www.ptwizard.com** under the Product Selection area.

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Special Duty

The equivalent radial load $P = XF_R + YF_A$

Where:

- P = Equivalent radial load, lbs.
- FR = Radial load, lbs.
- FA = Thrust (axial) load, lbs.
- **e** = Thrust load to radial load factor (Table 4)
- X = Radial load factor (Table 4)
- Y = Thrust load factor (Table 4)

To find X and Y, calculate FA/FR and compare to **e** for the selected bore size. Determine X and Y from Table 4, pg. B7-28 depending on whether FA/FR is equal to or less than **e**, or FA/FR is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 5, pg. B7-28 & B7-29.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Tapered Roller Bearings perform extremely well under pure thrust load applications. Use $P = YF_A$ for the equivalent radial load. The value of Y is obtained from Table 4, pg. B7-28 for $FA/F_R > \mathbf{e}$. Substitute Y and F_A into the equivalent load equation. P (equivalent radial load) can be used in the life formula to determine L_{10} or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 5, pg. B7-28 & B7-29.

LUBRICATION

DODGE Special Duty Tapered Roller Bearings up to 5, bore are lubricated at the factory with Mobil Moblith AW # 2 grease. Above 5” bore they are lubricated with Mobil Mobilux #2EP, a superior industrial grease using a lithium hydroxystearate thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 8, pg. B7-31 For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864) 284-5700. DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Tapered Roller Bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals

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INSTALLATION AND MAINTENANCE

In nearly all applications good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up, both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE Special Duty Tapered Roller Bearings. Special Duty bearings are designed to allow as much as 2° to 5° of static misalignment up to 8” bore size. 1° to 1.5° for bore sizes greater than 8”. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts and cap bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

Special Duty

Table 4: Special Duty Roller Bearings Radial/Thrust Factors

SHAFT SIZE INCHES	e	$F_A/F_R \leq e$		$F_A/F_R \geq e$		DYNAMIC CAPACITY C_{90}		MAXIMUM RPM
		X	Y	X	Y	LBS.	NEWTONS	
1-3/8 - 1-1/2	0.31	0.87	2.75	0.70	3.32	7,690	34,217	3,250
1-9/16 - 1-3/4	0.35	0.87	2.49	0.70	3.01	8,260	36,753	2,900
1-7/8 - 2	0.36	0.87	2.38	0.70	2.87	8,550	38,044	2,700
2-1/8 - 2-1/4	0.41	0.87	2.09	0.70	2.52	9,290	41,336	2,300
2-3/8 - 2-1/2	0.39	0.87	2.19	0.70	2.64	13,500	60,069	2,180
2-5/8 - 3	0.41	0.87	2.09	0.70	2.52	19,400	86,322	1,830
3-3/16 - 3-1/2	0.48	0.87	1.79	0.70	2.16	24,900	110,794	1,510
3-11/16 - 4	0.43	0.87	2.02	0.70	2.44	34,200	152,175	1,330
4-7/16 - 4-1/2	0.50	0.87	1.73	0.70	2.09	35,900	159,739	1,120
4-15/16 - 5	0.45	0.87	1.90	0.70	2.30	48,400	215,358	1,040
5-7/16 - 6	0.48	0.87	1.80	0.70	2.18	62,000	275,873	860
6-1/2 - 7	0.54	0.87	1.61	0.70	1.95	68,700	305,685	760
7-15/16 - 8	0.34	0.87	2.55	0.70	3.08	79,200	352,406	700
8-1/2 - 10	0.45	0.87	1.90	0.70	2.30	76,500	340,392	550
11 - 12	0.34	0.87	2.53	0.70	3.06	124,000	551,746	490

COMPARING SPHERICAL TO TAPER ROLLER BEARING

The dynamic capacity C (spherical) and C90 (taper) are not to the same base.
To compare basic dynamic capacities, multiply C x .259 and compare to C_{90}.

* C_{90} - Dynamic capacity based on a rated life of 90 million revolutions or 3000 hours at 500 RPM

Table 5: Dodge Special Duty Tapered Roller Bearings

Shaft Size Inches	Hours Life	Allowable Equivalent Radial Load Rating (Lbs.) At Various Revolutions Per Minute*												
		50	100	250	500	750	1000	1250	1500	1750	2000	2500	3000	3500
	5,000	13165	10690	8120	6595	5840	5360	5010	4745	4530	4350	4070	3855	3680
1-3/8	10,000	10690	8685	6595	5360	4745	4350	4070	3855	3680	3535	3305	3130	2990
1-7/16	**30,000**	**7690**	**6245**	**4745**	**3855**	**3410**	**3130**	**2925**	**2770**	**2645**	**2540**	**2380**	**2250**	**2150**
1-1/2	50,000	6595	5360	4070	3305	2925	2685	2510	2380	2270	2180	2040	1930	1845
	100,000	5360	4350	3305	2685	2380	2180	2040	1930	1845	1770	1655	1570	1500
	5,000	14140	11485	8725	7085	6275	5755	5385	5095	4865	4675	4370	4140	
1-9/16	10,000	11485	9330	7085	5755	5095	4675	4370	4140	3950	3795	3550	3360	
1-5/8	**30,000**	**8260**	**6710**	**5095**	**4140**	**3665**	**3360**	**3145**	**2975**	**2840**	**2730**	**2555**	**2420**	
1-11/16	50,000	7085	5755	4370	3550	3145	2885	2700	2555	2440	2345	2190	2075	
1-3/4	100,000	5755	4675	3550	2885	2555	2345	2190	2075	1980	1905	1780	1685	
	5,000	14635	11885	9030	7335	6495	5960	5570	5275	5035	4840	4525		
1-7/8	10,000	11885	9655	7335	5960	5275	4840	4525	4285	4090	3930	3675		
1-15/16	**30,000**	**8550**	**6945**	**5275**	**4285**	**3795**	**3480**	**3255**	**3080**	**2940**	**2825**	**2645**		
2	50,000	7335	5960	4525	3675	3255	2985	2790	2645	2525	2425	2270		
	100,000	5960	4840	3675	2985	2645	2425	2270	2145	2050	1970	1840		
	5,000	15900	12915	9810	7970	7055	6475	6055	5730	5475	5260			
2-1/8	10,000	12915	10490	7970	6475	5730	5260	4915	4655	4445	4270			
2-3/16	**30,000**	**9290**	**7545**	**5730**	**4655**	**4120**	**3780**	**3535**	**3350**	**3195**	**3070**			
2-1/4	50,000	7970	6475	4915	3995	3535	3245	3035	2870	2745	2635			
	100,000	6475	5260	3995	3245	2870	2635	2465	2335	2230	2140			
	5,000	23110	18770	14260	11580	10255	9405	8800	8330	7955	7640			
2-3/8	10,000	18770	15245	11580	9405	8330	7640	7145	6765	6460	6205			
2-7/16	**30,000**	**13500**	**10965**	**9330**	**6765**	**5990**	**5495**	**5140**	**4865**	**4645**	**4465**			
2-1/2	50,000	11580	9405	7145	5805	5140	4715	4410	4175	3985	3830			
	100,000	9405	7640	5805	4715	4175	3830	3580	3390	3235	3110			

Special Duty

Table 5: Dodge Special Duty Tapered Roller Bearings (Cont.)

Shaft Size Inches	Hour Life	Allowable Equivalent Radial Load Rating (Lbs.) At Various Revolutions Per Minute*												
		50	100	250	500	750	1000	1250	1500	1750	2000	2500	3000	3500
2-5/8	5,000	33210	26975	20490	16645	14735	13520	12645	11970	11430				
2-11/16	10,000	26975	21910	16645	13520	11970	10980	10270	9725	9285				
2-3/4	**30,000**	**19400**	**15755**	**11970**	**9725**	**8610**	**7895**	**7385**	**6995**	**6675**				
2-15/16	50,000	16645	13520	10270	8340	7385	6775	6335	6000	5730				
3	100,000	13520	10980	8340	6775	6000	5505	5145	4875	4650				
3-3/16	5,000	42625	34620	26300	21360	18915	17350	16225	15365					
3-3/8	10,000	34620	28120	21360	17350	15365	14095	13180	12480					
3-7/16	**30,000**	**24900**	**20225**	**15365**	**12480**	**11050**	**10135**	**9480**	**8975**					
3-1/2	50,000	21360	17350	13180	10705	9480	8695	8135	7700					
	100,000	17350	14095	10705	8695	7700	7065	6505	6255					
3-11/16	5,000	58540	47550	36120	29340	25980	23830	22290						
3-3/4	10,000	47550	38625	29340	23830	21100	19355	18105						
3-7/8	**30,000**	**34200**	**27780**	**21100**	**17140**	**15175**	**13920**	**13020**						
3-15/16	50,000	29340	23830	18105	14705	13020	11945	11170						
4	100,000	23830	19355	14705	11945	10575	9700	9075						
4-7/16	5,000	61450	49915	37920	30800	27270	25015							
4-1/2	10,000	49915	40545	30800	25015	22150	20320							
	30,000	**35900**	**29160**	**22150**	**17990**	**15930**	**14615**							
	50,000	30800	25015	19005	15435	13670	12540							
	100,000	25015	20320	15435	12540	11100	10185							
4-15/16	5,000	82850	67295	51120	41525	36765	33725							
5	10,000	67295	54660	41525	33725	29865	27395							
	30,000	**48400**	**39315**	**29865**	**24255**	**21480**	**19705**							
	50,000	41525	33725	25620	20810	18425	16905							
	100,000	33725	27395	20810	16905	14965	13730							
5-7/16	5,000	106130	86205	65485	53190	47100								
5-15/16	10,000	86205	70020	53190	43205	38255								
6	**30,000**	**62000**	**50360**	**38255**	**31075**	**27515**								
	50,000	53190	43205	32820	26660	23605								
	100,000	43205	35090	26660	21655	19175								
6-1/2	5,000	117600	95520	72560	58940	52190								
6-15/16	10,000	95520	77585	58940	47575	42390								
7	**30,000**	**68700**	**55800**	**42390**	**34430**	**30490**								
	50,000	58940	47875	36365	29540	26155								
	100,000	47875	38885	29540	23995	21245								
7-15/16	5,000	135570	110120	83650	67945	60165								
8	10,000	110120	89445	67945	55190	48870								
	30,000	**79200**	**64330**	**48870**	**39695**	**35145**								
	50,000	67945	55190	41925	34055	30155								
	100,000	55190	44830	34055	27660	24490								
8-1/2	5,000	130950	106365	80800	65630									
9	10,000	106365	86395	65630	53310									
9-1/2	**30,000**	**76500**	**62135**	**47205**	**38340**									
10	50,000	65630	53310	40495	32895									
	100,000	53310	43300	32895	26715									
	5,000	212260	172410	130970	106380									
11	10,000	172410	140040	106380	86410									
12	**30,000**	**124000**	**100720**	**76510**	**62145**									
	50,000	106380	86410	65640	53315									
	100,000	86410	70185	53315	43305									

NOTE: See Table 4 on previous page for maximum RPM.

SELECTION

Special Duty

Table 6: Special Duty Pillow Blocks Housing Permissible Thrust Load, Lbs. *

Shaft Size, Inches	2-Bolt	4-Bolt
1-3/8 1-7/16 1-1/2	1521	---
1-9/16 1-5/8 1-11/16 1-3/4	1772	---
1-7/8 1-15/16 2	1964	---
2-1/8 2-3/16 2-1/4	2325	---
2-3/8 2-7/16 2-1/2	3122	3122
2-5/8 2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	4375	4375
3-3/16 3-1/4 3-3/8 3-7/16 3-1/2	6118	6118
3-11/16 3-3/4 3-7/8	---	8250
3-15/16 4 4-7/16 4-1/2	---	10538
4-15/16 5 5-7/16	--- ---	12190 17957
5-15/16 6 6-1/2	---	24115
6-15/16 7 7-15/16	---	27260
8 8-1/2 9 9-1/2 10	---	38138
11 12	---	50655

* The limits above apply to pillow blocks. For thrust loads larger than listed or heavy thrust loading on other style housing, contact DODGE Engineering for recommendation.

Table 7: Special Duty Maximum Total Axial Expansion

Shaft Size - Inches	Special Duty		
	2-Blt. P.B.	4-Blt. P.B.	Flg.
1-3/8 - 1-1/2	3/16	-	3/16
1-9/16 - 1-3/4	5/8	-	1/4
1-7/8 - 2	5/8	-	1/4
2-1/8 - 2-1/4	5/8	-	1/4
2-3/8 - 2-1/2	5/8	5/8	1/4
2-5/8 - 3	3/4	5/8	5/8
3-3/16 - 3-1/2	3/4	3/4	3/4
3-11/16 - 4	-	3/4	1/4
4-7/16 - 4-1/2	-	3/4	5/8
4-15/16 - 5	-	3/4	5/8
5-7/16 - 6	-	3/4	5/8
6-1/2 - 7	-	1-1/2	-
7-15/16 - 8	-	1-1/2	-
8-1/2 - 10	-	1-1/2	-
11 - 12	-	1-1/2	-

Special Duty

Table 8: Definition of Operating Conditions For Tapered Roller Bearings

LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 1)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RPM
HIGH SPEED	OVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 30% OF C90 (TABLE 1)
NORMAL LOAD	OVER 30% TO 70% OF C90
HEAVY LOAD	OVER 70% OF C90
LOW TEMPERATURE	-100°F TO 20°F
MEDIUM TEMPERATURE	OVER 20°F TO 200°F
HIGH TEMPERATURE	OVER 200°F TO 300°F
VERY HIGH TEMPERATURE	OVER 300°F TO 400°F

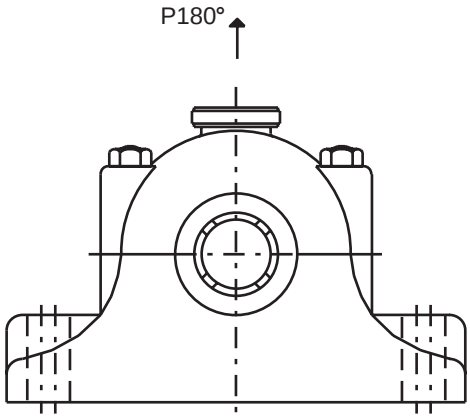


Table 9: Pillow Block Housing Ratings, Special Duty

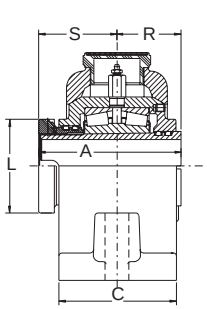
SHAFT SIZE (INCHES)	HOUSING STRENGTH LBS. GRAY IRON 180°
1-3/8 - 1-1/2	3,470
1-9/16 - 1-3/4	4,430
1-7/8 - 2	5,250
2-1/8 - 2-1/4	7,300
2-3/8 - 2-1/2	7,200
2-5/8 - 3	10,600
3-3/16 - 3-1/2	13,000
3-11/6 - 4	21,600
4-7/16 - 4-1/2	25,800
4-15/16 - 5	22,900
5-7/16 - 6	41,500
6-1/2 - 7	82,000
7-15/16 - 8	104,000

SELECTION/DIMENSIONS

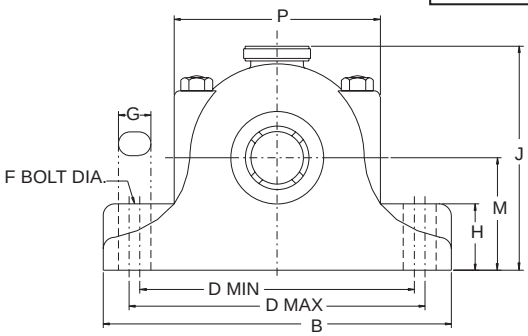
DODGE®

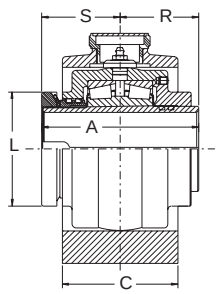
Special Duty Pillow Block - Inch
2-BOLT BASE

NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



NON-EXPANSION CONSTRUCTION





EXPANSION CONSTRUCTION

GRAY IRON NON-EXPANSION*			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**066213**	P2B-SD-106	20
1-7/16	**066214**	P2B-SD-107	20
1-1/2	**066300**	P2B-SD-108	20
1-9/16	**066212**	P2B-SD-109	27
1-5/8	**066228**	P2B-SD-110	27
1-11/16	**066216**	P2B-SD-111	27
1-3/4	**066301**	P2B-SD-112	27
1-7/8	**066217**	P2B-SD-114	33
1-15/16	**066218**	P2B-SD-115	32
2	**066302**	P2B-SD-200	32
2-1/8	**066215**	P2B-SD-202	48
2-3/16	**066220**	P2B-SD-203	47
2-1/4	**066303**	P2B-SD-204	47
2-7/16	**066222**	P2B-SD-207	56
2-1/2	**066246**	P2B-SD-208	56
2-5/8	**066223**	P2B-SD-210	84
2-11/16	**066304**	P2B-SD-211	84
2-3/4	**066226**	P2B-SD-212	84
2-15/16	**066230**	P2B-SD-215	82
3	**066305**	P2B-SD-300	82
3-3/16	**066232**	P2B-SD-303	120
3-3/8	**066237**	P2B-SD-306	119
3-7/16	**066234**	P2B-SD-307	118
3-1/2	**066236**	P2B-SD-308	118

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed

GRAY IRON EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**066249**	P2B-SD-106E	22
1-7/16	**066250**	P2B-SD-107E	22
1-1/2	**066306**	P2B-SD-108E	22
1-9/16	**066248**	P2B-SD-109E	28
1-5/8	**066243**	P2B-SD-110E	28
1-11/16	**066252**	P2B-SD-111E	28
1-3/4	**066307**	P2B-SD-112E	28
1-7/8	**066253**	P2B-SD-114E	33
1-15/16	**066254**	P2B-SD-115E	32
2	**066308**	P2B-SD-200E	32
2-1/8	**066257**	P2B-SD-202EE	50
2-3/16	**066256**	P2B-SD-203E	49
2-1/4	**066309**	P2B-SD-204	49
2-7/16	**066258**	P2B-SD-207E	60
2-1/2	**066247**	P2B-SD-208E	60
2-5/8	**066262**	P2B-SD-210E	80
2-11/16	**066310**	P2B-SD-211E	80
2-3/4	**066263**	P2B-SD-212E	80
2-15/16	**066266**	P2B-SD-215E	78
3	**066311**	P2B-SD-300E	78
3-3/16 ✤	**066269**	P2B-SD-303E	120
3-3/8 ✤	**066271**	P2B-SD-306E	119
3-7/16 ✤	**066270**	P2B-SD-307E	118
3-1/2	**066273**	P2B-SD-308E	118

\# Consult DODGE For Sizes Not Listed
✤ 4-Bolt Caps

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Special Duty Pillow Block - Inch
2-BOLT BASE

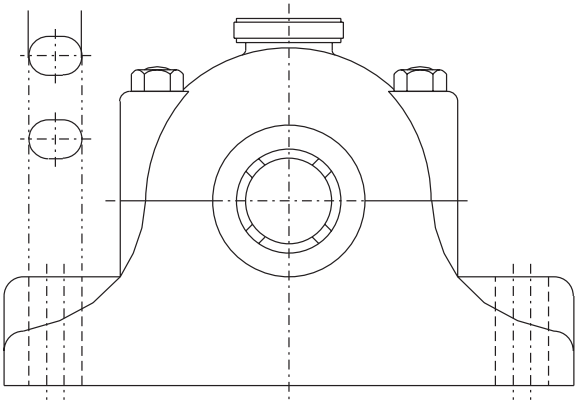
SHAFT SIZE INCHES	A	B	C	D		F BOLT DIA.	G	H	J	L	M	P	R	S	EXP*
				MIN.	MAX.										
1-3/8 1-7/16 1-1/2	4	9	3	6-7/8	7-5/8	1/2	1	2-1/8	6-1/4	2-7/16	2-7/8	5-7/8	1-13/16	2-3/16	3/16
1-9/16 1-5/8 1-11/16 1-3/4	4-1/8	9-1/2	3-7/16	7-9/16	7-15/16	1/2	1	2-3/8	6-13/16	2-13/16	3-1/8	5-15/16	1-7/8	2-1/4	5/8
1-7/8 1-15/16 2	4-1/4	11	3-1/2	8-1/4	9-1/4	5/8	1-1/4	2-1/2	7-1/8	3-1/16	3-1/4	7-1/4	1-15/16	2-5/16	5/8
2-1/8 2-3/16 2-1/4	4-9/16	12	4	9-1/8	10-3/8	5/8	1-1/4	2-7/8	8	3-7/16	3-3/4	7-1/4	2-1/16	2-1/2	5/8
2-7/16 2-1/2	5-1/16	13-1/4	4-1/4	10	11-1/2	3/4	1-1/2	3	8-9/16	3-13/16	4	7-13/16	2-5/16	2-3/4	5/8
2-5/8 2-11/16 2-3/4 2-15/16 3	5-3/4	14-1/4	4-3/4	11	12-1/2	3/4	1-1/2	3-3/4	9-7/8	4-7/16	4-3/4	8-11/16	2-5/8	3-1/8	3/4
3-3/16 3-3/8 3-7/16 3-1/2	6-3/8	16-3/4	5-1/2	13-1/4	14-1/4	7/8	1-1/2	4	11-3/8	5-1/16	5-1/2	11-1/4	2-15/16	3-7/16	3/4

* Total Expansion For Expansion Bearing Only

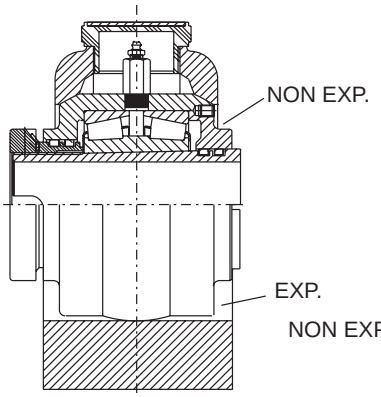
FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-23	NOMENCLATURE PAGE B7-24	SELECTION PAGE B7-25

SELECTION/DIMENSIONS

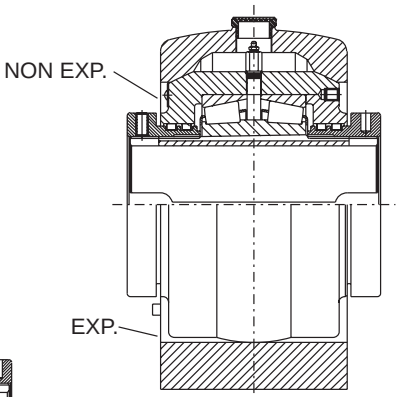
Special Duty Pillow Block - Inch
4-BOLT BASE



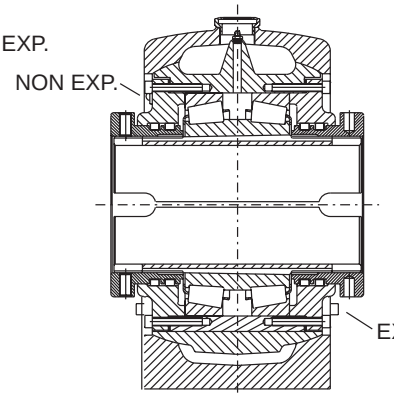
NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



2-3/8" THRU 3-1/2"
CONSTRUCTION



3-11/16" THRU 6"
CONSTRUCTION



6-1/16" THRU 8" CONSTRUCTION

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Special Duty Pillow Block - Inch
4-BOLT BASE

GRAY IRON NON-EXPANSION *			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
2-3/8	**066360**	P4B-SD-206	60
2-7/16	**066224**	P4B-SD-207	60
2-1/2	**066244**	P4B-SD-208	60
2-11/16	**066225**	P4B-SD-211	82
2-3/4	**066363**	P4B-SD-212	82
2-7/8	**066365**	P4B-SD-214	81
2-15/16	**066231**	P4B-SD-215	80
3	**066366**	P4B-SD-300	80
3-3/16	**066367**	P4B-SD-303	124
3-3/8	**066370**	P4B-SD-306	122
3-7/16	**066235**	P4B-SD-307	120
3-1/2	**066371**	P4B-SD-308	120
3-11/16	**066372**	P4B-SD-311	215
3-3/4	**066373**	P4B-SD-312	215
3-7/8	**066374**	P4B-SD-314	215
3-15/16	**066238**	P4B-SD-315	215
4	**066375**	P4B-SD-400	215
4-7/16	**066240**	P4B-SD-407	296
4-1/2	**066377**	P4B-SD-408	296
4-15/16	**066242**	P4B-SD-415	380
5	**066378**	P4B-SD-500	380
5-7/16	**066379**	P4B-SD-507	585
5-15/16	**066381**	P4B-SD-515	585
6	**066382**	P4B-SD-600	585
6-1/2	**066384**	P4B-SD-608	1050
6-15/16	**066385**	P4B-SD-615	1050
7	**066386**	P4B-SD-700	1050
7-15/16	**066388**	P4B-SD-715	1550
8	**066389**	P4B-SD-800	1550

GRAY IRON EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
2-3/8	**066400**	P4B-SD-206E	60
2-7/16	**066260**	P4B-SD-207E	60
2-1/2	**066245**	P4B-SD-208E	60
2-11/16	**066261**	P4B-SD-211E	82
2-3/4	**066403**	P4B-SD-212E	82
2-7/8	**066405**	P4B-SD-214E	81
2-15/16	**066268**	P4B-SD-215E	80
3	**066406**	P4B-SD-300E	80
3-3/16	**066407**	P4B-SD-303E	124
3-3/8	**066409**	P4B-SD-306E	122
3-7/16	**066272**	P4B-SD-307E	120
3-1/2	**066411**	P4B-SD-308E	120
3-11/16	**066412**	P4B-SD-311E	230
3-3/4	**066413**	P4B-SD-312E	230
3-7/8	**066414**	P4B-SD-314E	230
3-15/16	**066274**	P4B-SD-315E	230
4	**066415**	P4B-SD-400E	230
4-7/16	**066276**	P4B-SD-407E	296
4-1/2	**066417**	P4B-SD-408E	296
4-15/16	**066278**	P4B-SD-415E	380
5	**066418**	P4B-SD-500E	380
5-7/16	**066419**	P4B-SD-507E	585
5-15/16	**066421**	P4B-SD-51SE	585
6	**066422**	P4B-SD-600E	585
6-1/2	**066424**	P4B-SD-608E	1050
6-15/16	**066425**	P4B-SD-615E	1050
7	**066426**	P4B-SD-700E	1050
7-15/16	**066428**	P4B-SD-715E	1550
8	**066429**	P4B-SD-800E	1550

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed

\# Consult DODGE For Sizes Not Listed

Note: When ordering sizes larger than 5", specify RPM
Note: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

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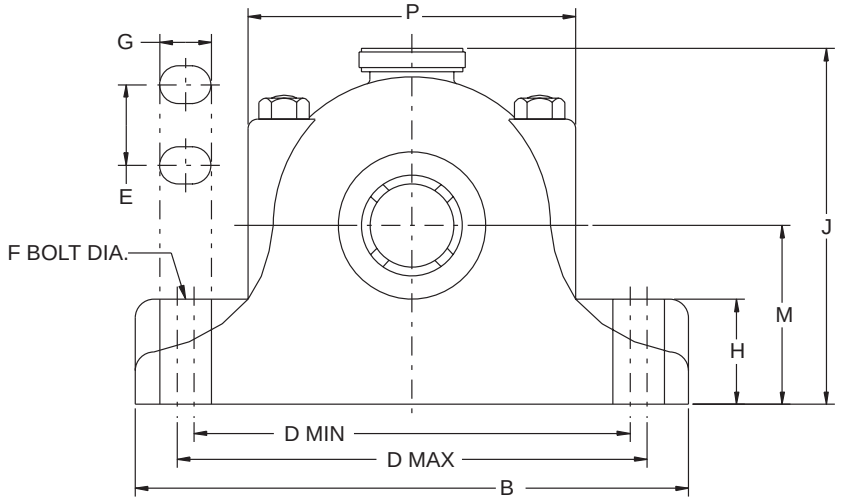
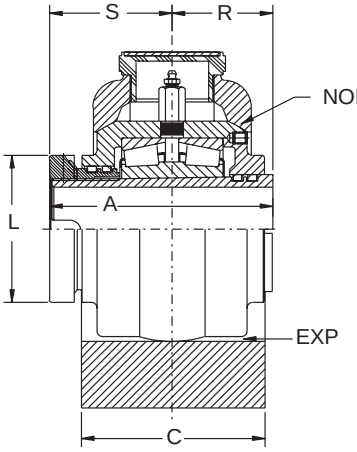
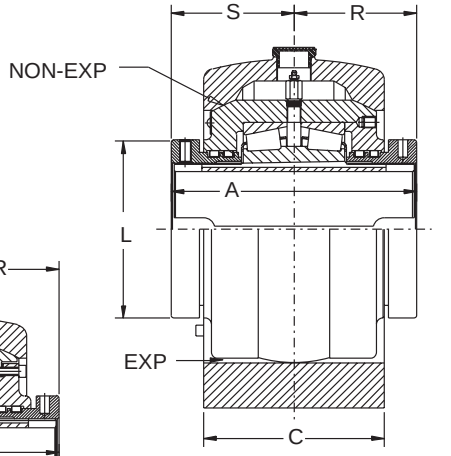
SELECTION/DIMENSIONS

Special Duty Pillow Block - Inch
4-BOLT BASE

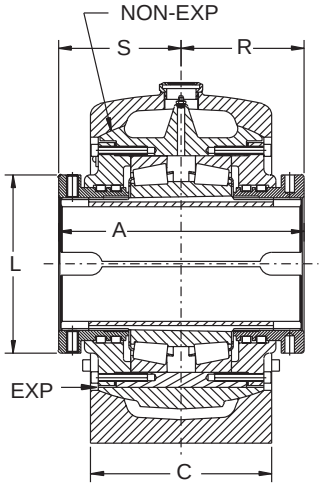




2-3/8" THRU 3-1/2"
CONSTRUCTION



3-11/16" THRU 6"
CONSTRUCTION



6-1/16" THRU 8" CONSTRUCTION

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Special Duty Pillow Block - Inch
4-BOLT BASE

SHAFT SIZE Inches	A	B*	C*	D		E	F BOLT DIA.	G*	H*	J	L	M	P*	R	S	EXP**
				MIN.	MAX.											
2-3/8 2-7/16 2-1/2	5-1/16	13-1/4	4-1/4	9-7/8	11-5/8	2-1/2	5/8	1-1/2	3	8-9/16	3-13/16	4	7-13/16	2-5/16	2-3/4	5/8
2-11/16 2-3/4 2-7/8 2-15/16 3	5-3/4	14-1/4	4-3/4	10-7/8	12-5/8	2-3/4	5/8	1-1/2	3-3/4	9-7/8	4-7/16	4-3/4	8-11/16	2-5/8	3-1/8	5/8
3-3/16 3-3/8 3-7/16 3-1/2	6-3/8	16-3/4	5-1/2	13	14-1/2	3-1/4	3/4	1-1/2	4	11-3/8	5-1/16	5-1/2	10-1/4	2-15/16	3-7/16	3/4
3-11/16 3-3/4 3-7/8 3-15/16 4	8-1/2	19	7	15	16	3-1/4	7/8	1-1/2	4	13-3/8	6-1/4	6-3/8	13-3/4	4-1/4	4-1/4	3/4
4-7/16 4-1/2	9-1/2	20	7-1/2	15-1/2	17-1/2	3-1/2	7/8	1-7/8	4	14-1/2	7-1/4	7-1/4	12-5/8	4-3/4	4-3/4	3/4
4-15/16 5	10-1/2	23	8-1/4	17-3/4	19-3/4	3-3/4	1	2-1/8	4-1/4	15-5/8	8	7-1/2	16-1/2	5-1/4	5-1/4	3/4
5-7/16 5-15/16 6	12	26-3/4	9-1/4	21-3/8	23-5/8	5	1-1/8	2-1/4	5	19	9-1/2	9	17-3/8	6	6	3/4
6-1/2 6-15/16 7	13-1/2	34-3/8	10-1/4	27-1/2	30-1/2	5-1/2	1-1/2	3	6	23	11	11-1/4	22-3/4	6-3/4	6-3/4	1-1/2
7-15/16 8	14-1/2	38-3/4	11-1/4	30-1/2	34	6	1-3/4	3-1/2	7	26	12-1/2	12-1/2	25-1/8	7-1/4	7-1/4	1-1/2

* These Are As Cast Surfaces. Dimensions May Fluctuate Due To Draft Angles And Pattern Shifts

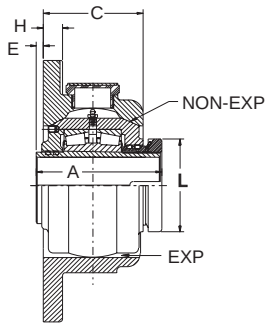
** Exp-Total Expansion Divided Equally On Both Sides Of Bearing (Expansion Bearing Only)

Note: All sizes use a 1/8 - 27 NPT hydraulic grease fitting

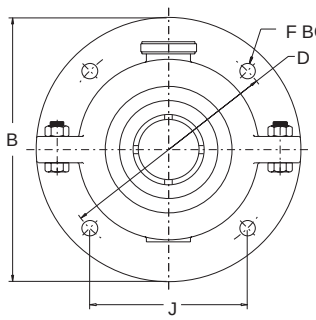
FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-23	NOMENCLATURE PAGE B7-24	SELECTION PAGE B7-25

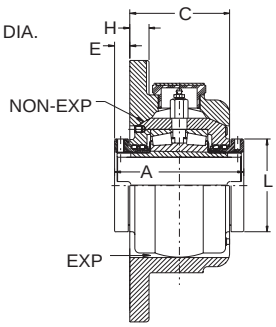
SELECTION/DIMENSIONS

Special Duty Flange Bearing - Inch



1-3/8" THRU 3-1/2" CONSTRUCTION





3-11/16" THRU 6" CONSTRUCTION

GRAY IRON NON-EXPANSION*			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**104160**	F4B-SD-106	21
1-7/16	**104020**	F4B-SD-107	21
1-1/2	**104161**	F4B-SD-108	21
1-11/16	**104021**	F4B-SD-111	30
1-3/4	**104162**	F4B-SD-112	30
1-15/16	**104022**	F4B-SD-115	37
2	**104164**	F4B-SD-200	37
2-3/16	**104023**	F4B-SD-203	46
2-3/8	**104169**	F4B-SD-206	62
2-7/16	**104024**	F4B-SD-207	62
2-1/2	**1041710**	F4B-SD-208	62
2-11/16	**104172**	F4B-SD-211	85
2-3/4	**104173**	F4B-SD-212	83
2-15/16	**104025**	F4B-SD-215	81
3	**104176**	F4B-SD-300	81
3-3/16	**104177**	F4B-SD-303	141
3-7/16	**104026**	F4B-SD-307	139
3-1/2	**104181**	F4B-SD-308	138
3-15/16	**104027**	F4B-SD-315	230
4	**104010**	F4B-SD-400	229
4-7/16	**104028**	F4B-SD-407	325
4-15/16	**104029**	F4B-SD-415	430
5	**104013**	F4B-SD-500	428
5-15/16	**104016**	F4B-SD-515	560
6	**104018**	F4B-SD-600	560

GRAY IRON EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**104195**	F4B-SD-106E	22
1-7/16	**104030**	F4B-SD-107E	22
1-1/2	**104196**	F4B-SD-108E	22
1-11/16	**104031**	F4B-SD-115E	30
1-3/4	**104197**	F4B-SD-112E	30
1-15/16	**104032**	F4B-SD-115E	37
2	**104199**	F4B-SD-200E	37
2-3/16	**104033**	F4B-SD-203E	49
2-3/8	**104204**	F4B-SD-206E	64
2-7/16	**104034**	F4B-SD-207E	64
2-1/2	**104205**	F4B-SD-208E	64
2-11/16	**104207**	F4B-SD-211E	88
2-3/4	**104208**	F4B-SD-212E	86
2-15/16	**104035**	F4B-SD-215E	85
3	**104211**	F4B-SD-300E	84
3-3/16	**104212**	F4B-SD-303E	145
3-7/16	**104036**	F4B-SD-307E	144
3-1/2	**104216**	F4B-SD-308E	143
3-15/16	**104037**	F4B-SD-315E	234
4	**104003**	F4B-SD-400E	234
4-7/16	**104038**	F4B-SD-407E	325
4-15/16	**104039**	F4B-SD-415E	430
5	**104006**	F4B-SD-500E	428
5-15/16	**104017**	F4B-SD-515E	560
6	**104019**	F4B-SD-600E	560

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed

\# Consult DODGE For Sizes Not Listed

Note: when ordering sizes larger than 5", specify RPM

FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-23	NOMENCLATURE PAGE B7-24	SELECTION PAGE B7-25

Special Duty Flange Bearing - Inch

SHAFT SIZE INCHES	A	B	C	D	E	F BOLT DIA.	H	J	L	EXP*
1-3/8 1-7/16 1-1/2	4	8-1/4	3	7	5/16	1/2	5/8	4.950	2-7/16	3/16
1-11/16 1-3/4	4-1/8	9	3-3/8	7-5/8	3/16	1/2	11/16	5.392	2-13/16	1/4
1-15/16 2	4-1/4	10	3-1/2	8-3/8	3/16	5/8	3/4	5.922	3-1/16	1/4
2-3/16	4-9/16	10-3/4	4	9-1/8	1/16	5/8	13/16	6.452	3-7/16	1/4
2-3/8 2-7/16 2-1/2	5-1/16	12	4-1/4	10-1/4	3/16	3/4	7/8	7.248	3-13/16	1/4
2-11/16 2-3/4 2-15/16 3	5-3/4	13	4-5/8	11-1/4	5/16	3/4	1	7.955	4-7/16	5/8
3-3/16 3-7/16 3-1/2	6-3/8	14-1/2	5-3/8	12-1/2	1/4	7/8	1-1/8	8.839	5-1/16	1/4
3-15/16 4	8-1/2	18	6-3/4	15-3/4	7/8	1	1-1/4	11.137	6-1/4	1/4
4-7/16	9-1/2	19-1/2	7-1/4	17	1-1/8	1-1/8	1-3/8	12.021	7-1/4	5/8
4-15/16 5	10-1/2	21-1/2	8-1/4	19	1	1-1/8	1-3/4	13.435	8	5/8
5-15/16 6	12	25-1/2	9	22-1/2	1-1/2	1-1/4	1-3/4	15.910	9-1/2	5/8

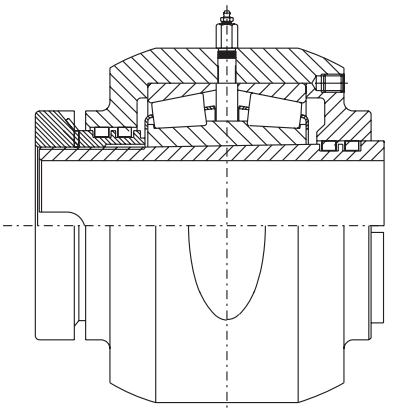
* Exp-Total Expansion For Expansion Bearing Only

FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-23	NOMENCLATURE PAGE B7-24	SELECTION PAGE B7-25

SELECTION/DIMENSIONS

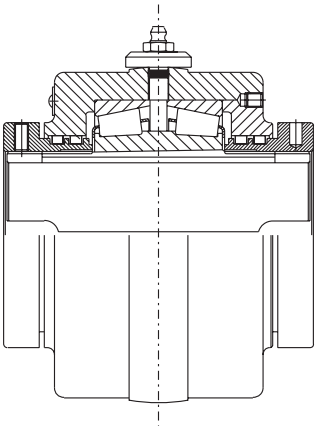
DODGE®

Special Duty Units - Inch



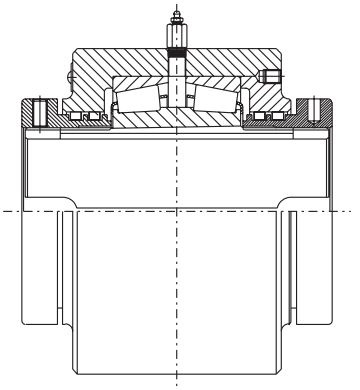
D UNIT
1-3/8" THRU 3-1/2" CONSTRUCTION

Non-Expansion
3-11/16" Thru 12" Not Shown
Consult DODGE for Detail



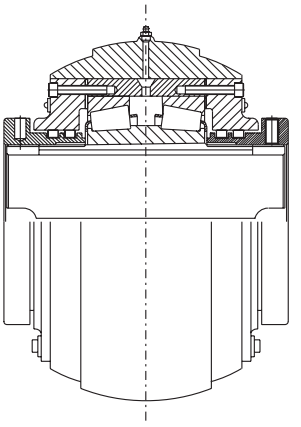
S-1 UNIT
3-11/16" THRU 6" CONSTRUCTION

Expansion
1-3/8" Thru 3-1/2" and 6" Thru12" Not Shown
Consult DODGE for Detail



B-1 UNIT
3-11/16" THRU 6" CONSTRUCTION

Customer Supplied Housing Only
1-3/8" Thru 3-1/2" and 6-1/2" Thru 12" Not Shown
Consult DODGE for Detail



S-1 UNIT
6-1/2" THRU 8" CONSTRUCTION

Expansion
1-3/8" Thru 6" and 8-1/2" Thru 12" Not Shown
Consult DODGE for Detail

FEATURES/BENEFITS PAGE B7-2	HOW TO ORDER PAGE B7-23	NOMENCLATURE PAGE B7-24	SELECTION PAGE B7-25

Special Duty Units - Inch

SHAFT SIZE INCHES #	D UNITS - NON-EXPANSION		S-1 UNITS - EXPANSION		B-1 UNITS - CUSTOMER SUPPLIED HOUSING		WEIGHT LBS (APPROX)
	PART NUMBER	PART NAME	PART NUMBER	PART NAME	PART NUMBER	PART NAME	
1-3/8	**066445**	DU-SD-106	**066500**	S1U-SD-106	**066560**	B1U-SD-106	7
1-7/16	**066280**	DU-SD-107	**066290**	S1U-SD-107	**066315**	B1U-SD-107	7
1-1/2	**066446**	DU-SD-108	**066501**	S1U-SD-108	**066561**	B1U-SD-108	7
1-9/16	**066444**	DU-SD-109	**066499**	S1U-SD-109	**066559**	B1U-SD-109	10
1-5/8	**066324**	DU-SD-110	**066312**	S1U-SD-110	**066314**	B1U-SD-110	10
1-11/16	**066281**	DU-SD-111	**066291**	S1U-SD-111	**066316**	B1U-SD-111	10
1-3/4	**066447**	DU-SD-112	**066502**	S1U-SD-112	**066562**	B1U-SD-112	10
1-7/8	**066448**	DU-SD-114	**066503**	S1U-SD-114	**066563**	B1U-SD-114	12
1-15/16	**066282**	DU-SD-115	**066292**	S1U-SD-115	**066317**	B1U-SD-115	12
2	**066464**	DU-SD-200	**066504**	S1U-SD-200	**066564**	B1U-SD-200	12
2-1/8	**066450**	DU-SD-202	**066506**	S1U-SD-202	**066566**	B1U-SD-202	16
2-3/16	**066283**	DU-SD-203	**066293**	S1U-SD-203	**066318**	B1U-SD-203	16
2-1/4	**066451**	DU-SD-204	**066507**	S1U-SD-204	**066567**	B1U-SD-204	16
2-3/8	- - - -	--------	**066509**	S1U-SD-206	**066569**	B1U-SD-206	20
2-7/16	**066284**	DU-SD-207	**066294**	S1U-SD-207	**066319**	B1U-SD-207	20
2-1/2	**066285**	DU-SD-208	**066510**	S1U-SD-208	**066570**	B1U-SD-208	20
2-5/8	**066455**	DU-SD-210	**066511**	S1U-SD-210	**066571**	B1U-SD-210	29
2-11/16	**066279**	DU-SD-211	**066326**	S1U-SD-211	**066572**	B1U-SD-211	29
2-3/4	**066456**	DU-SD-212	**066512**	S1U-SD-212	**066573**	B1U-SD-212	29
2-13/16	**066457**	DU-SD-213	**066513**	S1U-SD-213	**066574**	B1U-SD-213	29
2-7/8	**066458**	DU-SD-214	**066514**	S1U-SD-214	**066575**	B1U-SD-214	29
2-15/16	**066286**	DU-SD-215	**066295**	S1U-SD-215	**066320**	B1U-SD-215	29
3	**066459**	DU-SD-300	**066515**	S1U-SD-300	**066576**	B1U-SD-300	29
3-3/16	**066460**	DU-SD-303	**066516**	S1U-SD-303	**066577**	B1U-SD-303	47
3-1/4	**066461**	DU-SD-304	**066517**	S1U-SD-304	**066578**	B1U-SD-304	47
3-3/8	**066463**	DU-SD-306	**066519**	S1U-SD-306	**066580**	B1U-SD-306	47
3-7/16	**066287**	DU-SD-307	**066296**	S1U-SD-307	**066321**	B1U-SD-307	47
3-1/2	**066465**	DU-SD-308	**066520**	S1U-SD-308	**066581**	B1U-SD-308	47
3-11/16	**066466**	DU-SD-311	**066521**	S1U-SD-311	**066582**	B1U-SD-311	94
3-3/4	**066467**	DU-SD-312	**066522**	S1U-SD-312	**066583**	B1U-SD-312	94
3-7/8	**066468**	DU-SD-314	**066523**	S1U-SD-314	**066584**	B1U-SD-314	94
3-15/16	**066288**	DU-SD-315	**066297**	S1U-SD-315	**066322**	B1U-SD-315	94
4	**066469**	DU-SD-400	**066524**	S1U-SD-400	**066585**	B1U-SD-400	94
4-7/16	**066289**	DU-SD-407	**066298**	S1U-SD-407	**066587**	B1U-SD-407	116
4-1/2	**066471**	DU-SD-408	**066526**	S1U-SD-408	**066588**	B1U-SD-408	116
4-15/16	**066325**	DU-SD-415	**066299**	S1U-SD-415	**066589**	B1U-SD-415	175
5	**066472**	DU-SD-500	**066527**	S1U-SD-500	**066590**	B1U-SD-500	175
5-7/16	**066473**	DU-SD-507	**066528**	S1U-SD-507	**066591**	B1U-SD-507	300
5-15/16	**066475**	DU-SD-515	**066530**	S1U-SD-515	**066593**	B1U-SD-515	300
6	**066476**	DU-SD-600	**066531**	S1U-SD-600	**066594**	B1U-SD-600	300
6-1/2	**066478**	DU-SD-608	**066533**	S1U-SD-608	**066596**	B1U-SD-608	560
6-15/16	**066479**	DU-SD-615	**066534**	S1U-SD-615	**066598**	B1U-SD-615	560
7	**066480**	DU-SD-700	**066535**	S1U-SD-700	**066607**	B1U-SD-700	560
7-15/16	**066482**	DU-SD-715	**066537**	S1U-SD-715	**066600**	B1U-SD-715	800
8	**066483**	DU-SD-800	**066538**	S1U-SD-800	**066601**	B1U-SD-800	800
8-1/2	**066484**	DU-SD-808	**066539**	S1U-SD-808	**066602**	B1U-SD-808	1380
9	**066485**	DU-SD-900	**066540**	S1U-SD-900	**066603**	B1U-SD-900	1380
9-1/2	**066486**	DU-SD-908	**066541**	S1U-SD-908	- - - -	--------	1380
10	**066487**	DU-SD-1000	**066542**	S1U-SD-1000	**066604**	B1U SD 1000	1380
11	**066488**	DU-SD-1100	**066543**	S1U-SD-1100	**066605**	B1U-SD-1100	1890
12	**066489**	DU-SD-1200	**066544**	S1U-SD-1200	**066606**	B1U-SD-1200	1890

Consult DODGE For Sizes Not Listed

Note: When ordering sizes larger than 5", specify RPM

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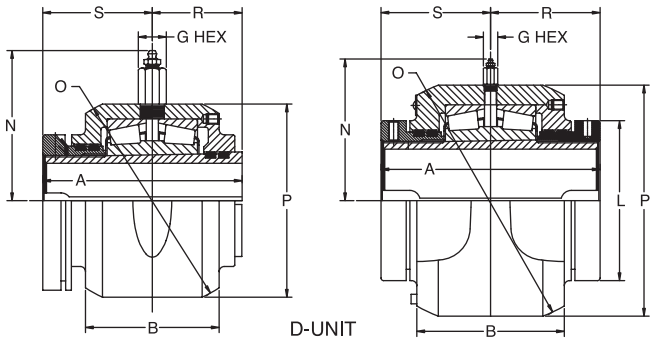
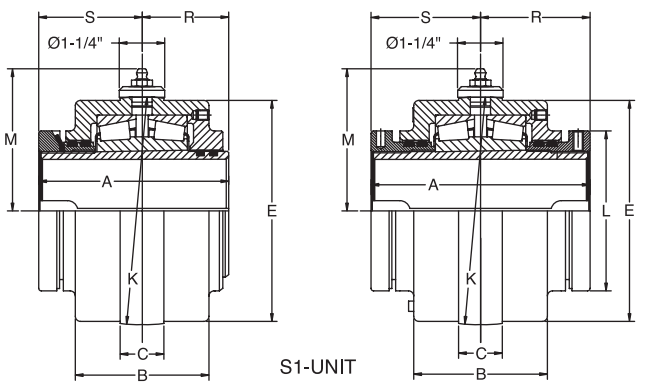
SELECTION/DIMENSIONS

Special Duty Units - Inch



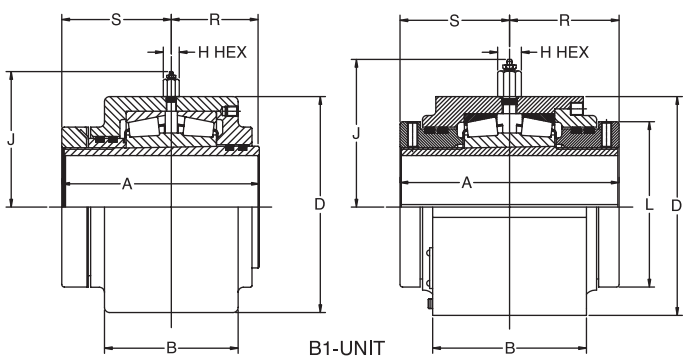
D-UNIT

1-3/8" - 3-1/2" 3-11/16" - 6"



S1-UNIT

1-3/8" - 3-1/2" 3-11/16" - 6"



B1-UNIT

1-3/8" - 3-1/2" 3-11/16" - 6"

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DODGE®

Special Duty Units - Inch

SHAFT SIZE INCHES	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
1-3/8 1-7/16 1-1/2	4	2-11/16	3/4	3-7/8 ★	3-3/4	----	7/16	5/8	3-1/16	4-1/16 ★	2-7/16	2-11/16	2-1/2	4.438 ★	3-15/16	1-13/16	2-3/16
1-9/16 1-5/8 1-11/16 1-3/4	4-1/8	3-1/8	3/4	4-1/4 ★	4-1/8	----	7/16	5/8	4-1/4	4-7/16 ★	2-13/16	2-7/8	2-3/4	5.000 ★	4-1/2	1-7/8	2-1/4
1-7/8 1-15/16 2	4-1/4	3-1/4	7/8	4-3/4 ★	4-1/2	----	5/8	5/8	4-3/4	4-13/16 ★	3-1/16	3-1/16	2-7/8	5.313 ★	4-3/4	1-15/16	2-5/16
2-1/8 2-3/16 2-1/4	4-9/16	3-1/2	7/8	5-1/4 ★	5-1/16	----	5/8	5/8	5-1/4	5-3/8 ★	3-7/16	3-5/16	3-3/16	6.000 ★	5-3/8	2-1/16	2-1/2
2-3/8 2-7/16 2-1/2	5-1/16	4	1	5-3/4 ★	5-5/16	----	3/4	5/8	5-3/4	5-11/16 ★	3-13/16	3-1/2	4-3/32	6.375 ★	5-11/16	2-5/16	2-3/4
2-5/8 2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	5-3/4	4-7/16	1	6-1/2 ★	6-3/16	----	3/4	3/4	6-1/2	6-9/16 ★	4-7/16	4-3/16	4-1/2	7.313 ★	6-1/2	2-5/8	3-1/8
3-3/16 3-1/4 3-3/8 3-7/16 3-1/2	6-3/8	5	1-1/4	7-3/4 ★	7-5/8	----	3/4	3/4	5-3/8	8 ❤	5-1/16	4-7/8	5-9/16	8.625 ♦	8	2-15/16	3-7/16
3-11/16 3-3/4 3-7/8 3-15/16 4	8-1/2	6-1/4	1-1/2	9-1/4 ★	9	----	3/4	3/4	6-1/8	9-1/2 ❤	6-1/4	5-5/8	6-3/8	10.250 ♦	9-3/4	4-1/4	4-1/4
4-7/16 4-1/2	9-1/2	6-5/8	1-3/4	10-1/2 ★	10-1/16	----	3/4	3/4	6-3/4	10-5/8 ❤	7-1/4	6-3/16	6-11/16	11.125 ♦	10-1/16	4-3/4	4-3/4
4-15/16 5	10-1/2	7-3/8	2	11-3/4 ★	10-7/8	----	3/4	3/4	7-3/8	11-1/2 ❤	8	6-5/8	7-7/16	12.500 ♦	11-7/8	5-1/4	5-1/4
5-7/16 5-15/16 6	12	8-1/2	2-1/4	13-1/2 ★	13	----	3/4	3/4	8-1/4	14 ❤	9-1/2	7-7/8	8-9/16	14.750 ✳	14-1/8	6	6
6-1/2 6-15/16 7	13-1/2	9-5/16	----	14-3/4 ★	----	9-13/16	1	1	8-7/8	----	11	----	10-7/8	18.000 ✳	17	6-3/4	6-3/4
7-15/16 8	14-1/2	9-15/16	----	16-1/4 ★	----	10-1/16	1	1	9-5/8	----	12-1/2	----	12-1/2	20.125 ✳	19-1/8	7-1/4	7-1/4
8-1/2 9 9-1/2 10	17	11-1/2	----	19-1/2 ★	----	11-3/4	1	1	11-1/4	----	14-5/8	----	14-1/2	24.000 ✳	23-1/2	8-1/2	8-1/2
11 12	18-1/2	12-3/4	----	23 ★	----	13-1/4	1	1	13	----	17	----	17-5/8	28.500 ✳	28	9-1/4	9-1/4

★ +.000 -.002”
❤ -.000 -.004”
♦ +.000 -.003”
✳ +.000 -.004”

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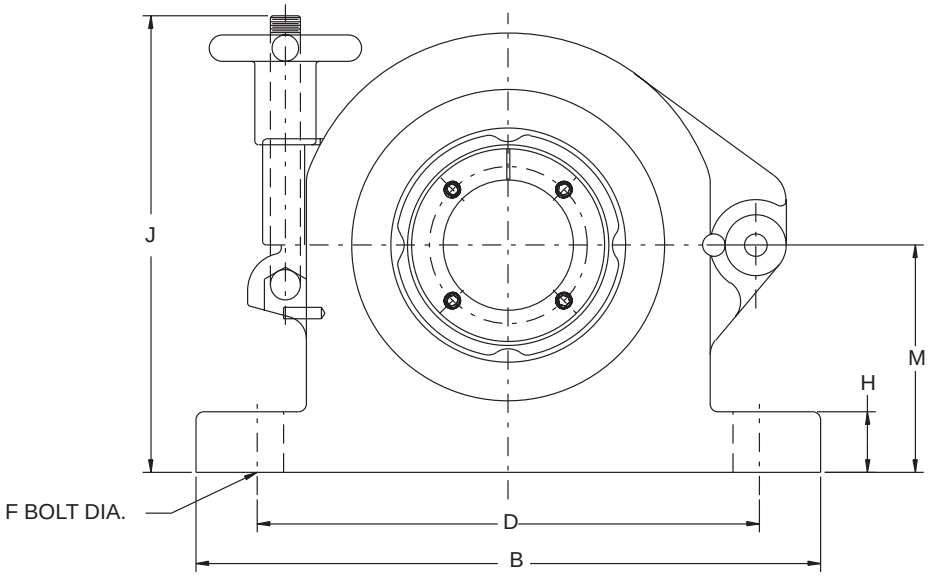
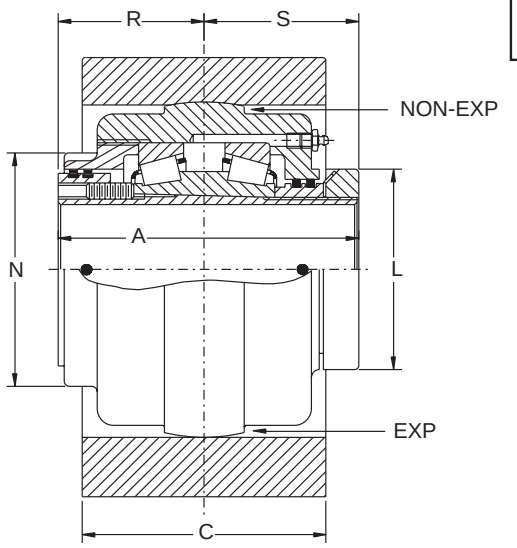
SELECTION/DIMENSIONS

Special Duty Hinged Cap Pillow Block - Inch



NOTE: All sizes incorporate a 1/4 - 28 hydraulic grease fitting



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Special Duty Hinged Cap Pillow Block - Inch

PILLOW BLOCK ASSEMBLY - NON-EXPANSION*			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**067054**	P2B-HC-106	20
1-7/16	**067050**	P2B-HC-107	20
1-1/2	**067056**	P2B-HC-108	20
1-11/16	**067048**	P2B-HC-111	27
1-3/4	**067042**	P2B-HC-112	27
1-15/16	**067052**	P2B-HC-115	36
2	**067060**	P2B-HC-200	36
2-3/16	**067046**	P2B-HC-203	47
2-7/16	**067044**	P2B-HC-207	60
2-15/16	**067072**	P2B-HC-215	60

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed.

PILLOW BLOCK ASSEMBLY - EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
1-3/8	**067055**	P2B-HC-106E	20
1-7/16	**067051**	P2B-HC-107E	20
1-1/2	**067057**	P2B-HC-108E	20
1-11/16	**067049**	P2B-HC-111E	27
1-3/4	**067043**	P2B-HC-112E	27
1-15/16	**067053**	P2B-HC-115E	36
2	**067061**	P2B-HC-200E	36
2-3/16	**067047**	P2B-HC-203E	47
2-7/16	**067045**	P2B-HC-207E	60
2-15/16	**067073**	P2B-HC-215E	60

\# Consult DODGE For Sizes Not Listed.

PILLOW BLOCK HOUSING ONLY NON-EXPANSION			
SHAFT SIZE RANGE SYMBOL#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
106 TO 108	**067007***	HS2-HC-406	13
111 TO 112	**067100***	HS2-HC-444	16
115 TO 200	**067031***	HS2-HC-481	23
203	**067120***	HS2-HC-538	26
207	**067135***	HS2-HC-569	40
215	**067078***	HS2-HC-656	52

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed.

PILLOW BLOCK HOUSING ONLY EXPANSION			
SHAFT SIZE RANGE SYMBOL#	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)
106 TO 108	**067016**	HS2-HC-406E	13
111 TO 112	**067103**	HS2-HC-444E	16
115 TO 200	**067034**	HS2-HC-481E	23
203	**067123**	HS2-HC-538E	26
207	**067138**	HS2-HC-569E	40
215	**067075**	HS2-HC-656E	52

SHAFT SIZE INCHES	A	B	C	D	F DIA BOLT	H	J	L	M	N	R	S
1-3/8 1-7/16 1-1/2	4-1/8	7-1/4	3	5-7/8	1/2	3/4	6-7/8	2-7/16	2-7/8	3-1/4	1-15/16	2-3/16
1-11/16 1-3/4	4-1/4	8-1/4	3-1/4	6-7/8	1/2	3/4	6-7/8	2-13/16	3-1/8	3-17/32	2	2-1/4
1-15/16 2	4-7/16	9-1/4	3-1/2	7-11/16	5/8	7/8	7-5/8	3-1/16	3-1/4	3-13/16	2-1/8	2-5/16
2-3/16	4-3/4	10-1/4	4	8-1/4	3/4	1	7-5/8	3-7/16	3-3/4	4-7/32	2-1/4	2-1/2
2-7/16	5-5/16	10-1/4	4-1/4	8-1/4	3/4	1	9-5/8	3-13/16	4-1/2	4-5/8	2-9/16	2-3/4
2-15/16	6-1/16	11-1/8	4-3/4	9-1/8	3/4	1-1/4	10-1/8	4-7/16	5	5-1/4	2-15/16	3-1/8

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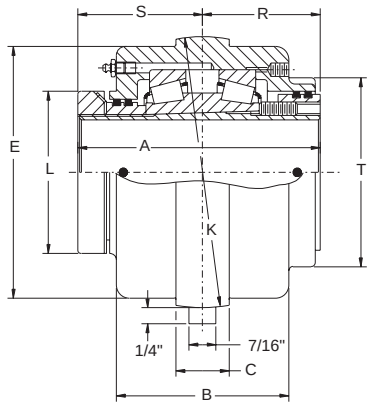
SELECTION/DIMENSIONS

DODGE®

Special Duty Hinged Cap S-1 Units - Inch

NOTE: All sizes use a 1/4 - 28 fine thread hydraulic grease fitting



HINGED CAP PILLOW BLOCK S-1 UNITS			
SHAFT SIZE #	PART NUMBER	PART NAME	WEIGHT LBS APPROX
1-3/8	**067149**	S1U406-HC-106	8
1-7/16	**067151**	S1U406-HC-107	8
1-1/2	**067152**	S1U406-HC-108	8
1-11/16	**067153**	S1U444-HC-111	10
1-3/4	**067154**	S1U444-HC-112	10
1-15/16	**067155**	S1U481-HC-115	11
2	**067156**	S1U481-HC-200	11
2-3/16	**067157**	S1U538-HC-203	16
2-7/16	**067159**	S1U569-HC-207	19
2-15/16	**067164**	S1U656-HC-215	30

Consult DODGE For Sizes Not Listed

HINGED CAPS S-1 UNITS

SHAFT SIZE INCHES	A	B	C	E	K	L	R	S	T
1-3/8 1-7/16 1-1/2	4-1/8	2-11/16	3/4	3-3/4	4-1/16	2-7/16	1-15/16	2-3/16	3-1/4
1-11/16 1-3/4	4-1/4	3-1/8	3/4	4-1/8	4-7/16	2-13/16	2	2-1/4	3-17/32
1-15/16 2	4-7/16	3-1/4	7/8	4-1/2	4-13/16	3-1/16	2-1/8	2-5/16	3-13/16
2-3/16	4-3/4	3-1/2	7/8	5-1/16	5-3/8	3-7/16	2-1/4	2-1/2	4-7/32
2-7/16	5-5/16	4	1	5-5/16	5-11/16	3-13/16	2-9/16	2-3/4	4-5/8
2-15/16	6-1/16	4-7/16	1	6-3/16	6-9/16	4-7/16	2-15/16	3-1/8	5-1/4

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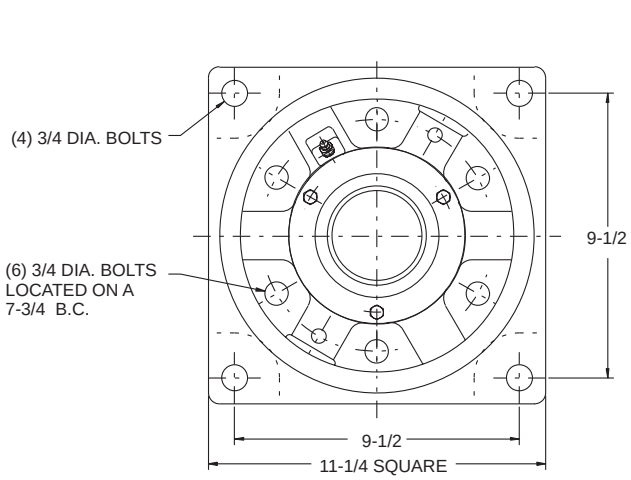
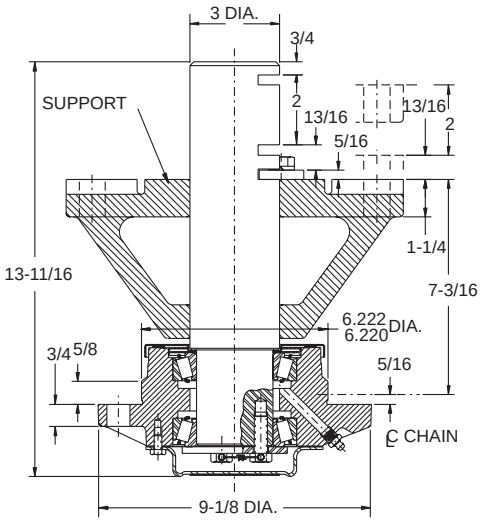
Special Duty Traction Wheel Hub Assemblies - Inch





Traction Wheel Hub Assemblies are constructed to operate with wheels (sprockets) ranging from two to six feet in diameter. Commonly used in overhead chain conveyors, the units bolt directly to the supporting structure and can be adjusted vertically to three different operating positions.

The hub utilizes combination seals to protect the tapered roller bearings from dust and dirt and retain lubricant.

A high temperature (700°F) unit using sleeve bearings is available. See part number 062070

TRACTION WHEEL HUB ASSEMBLIES				Recommended for Conveyors with Chain Nos.	Operating Characteristics		
SIZE #	PART NUMBER	PART NAME	WEIGHT LBS (APPROX)		RPM	Max. Resultant Load (lbs)▲	L_{10} Hours Life
#70	**062040**	TRW-70	100	348	10	3600	★
#70LS*	**422604**	TRW-70LS	80	458	10	8000	
75HT	**062070**	TRW-75HT	100	678	10	8000	

\# Consult DODGE For Sizes Not Listed.
▲ Based on 180- Chain Wrap
★ More Than 100,000 Hrs. Life
* (LS) Less Support - Support For Mounting To Structure Not Included With This Part
(HT) High Temperature Sleeve Bearing

SPECIFICATION

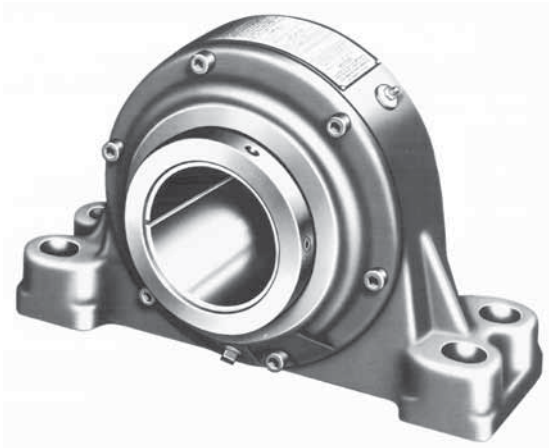
DODGE®

All Steel

The standard housing material for All steel mounted bearings is cast steel having a minimum tensile strength of 70,000 psi. The housing is vertically split to enable servicing of the bearing internal components. All Steel pillow blocks are available in both expansion and non expansion types.

All Steel mounted bearings have duplex tapered roller mounted to the shaft with a tapered adaptor sleeve extending thru the complete length of the pillow block. The tapered roller bearings used in the All Steel mounted bearings all have case carburized inner races (cones), outer race (cup) and rollers.

All Steel mounted bearings have two piston ring seals running in grooves in the adapter nuts at each end of the pillow block to seal the bearings both on and off the shaft.



ALL STEEL PILLOW BLOCKS AVAILABLE IN 4-BOLT BASE 2-11/16” TO 5”

ALL STEEL CARTRIDGE UNITS AVAILABLE IN 2-11/16” TO 4-7/16”

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All Steel

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page and add any special instructions to the end of the description for options not covered by the nomenclature.

SPECIAL BEARING REQUIREMENTS AND SPECIAL LUBRICANTS

DODGE All Steel Bearings are factory assembled and pre-lubricated. For applications where extreme ambient temperatures, high speeds or high loads are expected, a variety of specialty lubricants and adjustments are available. Standard grease provided is Mobilux EP2. Special lubricant options usually involve set-up charges and premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example:

063360 except with Mobil Grease HTS #2 grease

and or

P4B-AS-215 except with Mobil Grease HTS #2 grease

OTHER SPECIAL BEARING REQUIREMENTS NOT LISTED

For applications requiring modifications not listed, we encourage you to contact out Customer Order Engineering Department for Bearings at 864-284-5700.

NOMENCLATURE

Specialty Tapered Products

P2B - C - 207 - E

HOUSING STYLE STYLE

P2B = PILLOW BLOCK
2 BOLT, CAST IRON

P4B = PILLOW BLOCK
4 BOLT, CAST IRON

SP4B = PILLOW BLOCK
4 BOLT, CAST STEEL

F4B = FLANGE BEARING
4 BOLT, CAST IRON

B1U = B-1 UNIT, CAST IRON

DU = D UNIT, CAST IRON

S1U = S-1 UNIT, CAST IRON

CRT = CARTRIDGE UNIT
DUCTILE IRON END PLATES

NSTU = NARROW SLOT TAKE UP BEARING, CAST IRON

HNG = HANGER BEARING CAST IRON

BEARING TYPE

C = TYPE C

SD = SPECIAL DUTY

HC = HINGED CAP

TRW - TRACTION WHEEL

AS = ALL STEEL

SIZE

INCHES & 16TH
2 = 2 INCHES
07 = 7/16 INCHES
OR
207 = 2-7/16”

OTHER DATA

E = EXPANSION TYPE BEARING

IF E DOES NOT APPEAR AFTER SEAL TYPE, THEN BEARING IS NON-EXPANSION TYPE

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All Steel

DODGE ALL-STEEL DOUBLE ROW TAPERED ROLLER BEARINGS

DODGE All-Steel Double Row Tapered Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE tapered roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864) 284-5700 for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10} = \left(\frac{C_{90}}{P}\right)^{10/3} X \left(\frac{1{,}500{,}000}{RPM}\right)$$

Where:

C_{90} = Dynamic Capacity (Table 11, pg. B7-54), lbs.

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life for pillow blocks. The maximum thrust load should not exceed values shown on Table 12. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening, shaft tolerance (see table below) and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM RANGE	20 - 200	201 - 2000
RECOMMENDED THRUST LOAD	$C_{90}/4$	$C_{90}/8$

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Table 15, pg. B7-55 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial load for flange units.

SHAFT SIZE	TOLERANCE, INCHES
2-11/16- 4	+.000 TO -.004”
4-7/16 - 5	+.000 TO -.005”

All Steel

SELECTING BEARINGS SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R
   (FR = P for Pure Radial Load Conditions).
   The DODGE program BEST™★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 11, pg. B7-54 find, under the RPM column, the equivalent radial load that equals or is higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application. If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 3800 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4475 lbs. Exceeds the 3800 lbs. Radial load for shaft sizes 2-11/16 -3". A bearing with bore ranging from 2-11/16 to 3" may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity C is identified in terms of L_{10}, RPM and P.

$$C_{90} = \left(\frac{L_{10} \text{ X RPM}}{1{,}500{,}000} \right)^{0.3} \text{X P}$$

(P = FR for Pure Radial Load Conditions)

Since the L_{10}, RPM, and P are known, solve for C_{90}. Select from the dynamic capacity column on Table 10, pg. B7-54 the C_{90} value equal to or greater than the C_{90} value just calculated. The bore size on the far left represents the bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 10. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 10 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

★ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at **www.ptwizard.com** under the Product Selection area.

All Steel

The equivalent radial load $P = XF_R + YF_A$

Where:

P = Equivalent radial load, lbs.

FR = Radial load, lbs. (see Table 10 for allowable slip fit maximum)

F_A = Thrust (axial) load, lbs.

e = Thrust load to radial load factor (Table 10)

X = Radial load factor (Table 10)

Y = Thrust load factor (Table 10)

To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 10, depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 11, pg. B7-54.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Tapered Roller Bearings perform extremely well under pure thrust load applications. Use $P = YF_A$ for the equivalent radial load. The value of Y is obtained from Table 10, pg. B7-53 for $F_A/F_R > \mathbf{e}$. Substitute Y and F_A into the equivalent load equation. P (equivalent radial load) can be used in the life formula to determine L_{10} or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 11, pg. B7-54.

LUBRICATION

DODGE All Steel Double Row Tapered roller bearings are lubricated at the factory with Mobil Mobilux #2EP. Mobil Mobilux #2EP grease is superior industrial grease using a lithium hydroxystearate thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 14, pg. B7-55. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864) 281-2195. DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Tapered roller bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

INSTALLATION AND MAINTENANCE

In nearly all applications good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up, both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE All Steel Double Row Tapered Roller Bearings. All Steel bearings are designed to allow as much as 1° to 2° of static misalignment depending on bore size. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts and cap bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved. Shimming may be required to minimize misalignment.

SELECTION

DODGE®

All Steel

Table 10: All Steel Double Row Tapered Roller Bearings Radial and Thrust Factors

SHAFT SIZE	e	FA/FR ≤ e		FA/FR>e		DYNAMIC CAPACITY C90*		MAXIMUM
		X	Y	X	Y	LBS.	NEWTONS	RPM
2-11/16 - 3	0.43	0.87	2.02	0.70	2.44	11,000	48,945	1,880
3-1/4 - 3-1/2	0.49	0.87	1.77	0.70	2.14	21,000	93,441	1,520
3-15/16 - 4	0.34	0.87	2.53	0.70	3.06	23,000	102,340	1,340
4-7/16 - 4-1/2	0.36	0.87	2.45	0.70	2.96	34,500	153,510	1,210
4-15/16 - 5	0.34	0.87	2.53	0.70	3.06	35,400	157,515	1,070

COMPARING SPHERICAL TO TAPER ROLLER BEARING
The dynamic capacity C (spherical) and C_{90} (taper) are not to the same base. To compare basic dynamic capacities, multiply C x .259 and compare to C90.

★ C_{90}- Dynamic capacity based on a rated life of 90 million revolutions or 3000 hours at 500 RPM

Table 11: Easy Selection Table Dodge All-steel Double Row Tapered Roller Bearings

Shaft Size	Hours Life	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute *															
		50	100	250	500	750	1000	1070	1210	1340	1520	1880	2180	2300	2700	2900	3250
2-11/16 2-15/16 3	5,000	18,829	15,294	11,618	9,437	8,356	7,665	7,511	7,239	7,021	6,760	6,343	6,067	5,971	5,690	5,569	5,382
	10,000	15,294	12,423	9,437	7,665	6,787	6,226	6,101	5,880	5,703	5,491	5,152	4,928	4,850	4,622	4,524	4,372
	30,000	11,000	8,935	6,787	5,513	4,882	4,478	4,388	4,229	4,102	3,949	3,705	3,544	3,488	3,324	3,254	3,144
	50,000	9,437	7,665	5,823	4,730	4,188	3,842	3,765	3,628	3,519	3,388	3,179	3,041	2,992	2,852	2,791	2,698
	100,000	7,665	6,226	4,730	3,842	3,402	3,120	3,058	2,947	2,858	2,752	2,582	2,470	2,431	2,316	2,267	2,191
3-1/4 3-7/16 3-1/2	5,000	35,947	29,198	22,181	18,016	15,953	14,634	14,340	13,820	13,404	12,906	12,109	11,583	11,398	10,863	10,633	10,275
	10,000	29,198	23,716	18,016	14,634	12,958	11,886	11,647	11,226	10,887	10,483	9,836	9,408	9,258	8,823	8,636	8,346
	30,000	21,000	17,057	12,958	10,525	9,319	8,549	8,377	8,074	7,830	7,540	7,074	6,767	6,659	6,346	6,211	6,003
	50,000	18,016	14,634	11,117	9,030	7,995	7,334	7,187	6,927	6,718	6,468	6,069	5,805	5,713	5,444	5,329	5,150
	100,000	14,634	11,886	9,030	7,334	6,494	5,957	5,838	5,626	5,457	5,254	4,929	4,715	4,640	4,422	4,328	4,183
3-15/16 4	5,000	39,371	31,979	24,293	19,732	17,472	16,027	15,705	15,137	14,680	14,135	13,262	12,686	12,484	11,897	11,645	11,254
	10,000	31,979	25,975	19,732	16,027	14,192	13,018	12,757	12,295	11,924	11,482	10,772	10,304	10,140	9,664	9,459	9,141
	30,000	23,000	18,682	14,192	11,527	10,207	9,363	9,175	8,843	8,576	8,258	7,748	77,411	7,293	6,950	6,803	6,574
	50,000	19,732	16,027	12,175	9,889	8,757	8,033	7,871	7,586	7,358	7,085	6,647	6,358	6,257	5,963	5,836	5,640
	100,000	16,027	13,018	9,889	8,033	7,113	6,525	6,394	6,162	5,976	5,754	5,399	5,164	5,082	4,843	4,741	4,581
4-7/16 4-1/2	5,000	59,056	47,968	36,440	29,598	26,208	24,041	23,558	22,705	22,020	21,203	19,893	19,029	18,726	17,846	17,468	16,881
	10,000	47,968	38,962	29,598	24,041	21,288	19,527	19,135	18,442	17,886	17,222	16,158	15,456	15,210	14,496	14,188	13,711
	30,000	34,500	28,023	21,288	17,291	15,311	14,045	13,762	13,264	12,864	12,387	11,622	11,117	10,939	10,426	10,204	9,862
	50,000	29,598	24,041	18,263	14,834	13,135	12,049	11,807	11,379	11,036	10,627	9,970	9,537	9,385	8,944	8,755	8,460
	100,000	24,041	19,527	14,834	12,049	10,669	9,787	9,590	9,243	8,964	8,632	8,098	7,747	7,623	7,265	7,111	6,872
4-15/16 5	5,000	60,597	49,220	37,390	30,370	26,892	24,668	24,173	23,297	22,595	21,756	20,412	19,526	19,214	18,312	17,923	17,321
	10,000	49,220	39,979	30,370	24,668	21,843	20,037	19,634	18,923	18,353	17,672	16,580	15,860	15,607	14,874	14,558	14,069
	30,000	35,400	28,754	21,843	17,742	15,710	14,411	14,121	13,610	13,200	12,710	11,925	11,407	11,225	10,698	10,471	10,119
	50,000	30,370	24,668	18,739	15,221	13,478	12,363	12,115	11,676	11,324	10,904	10,230	9,786	9,630	9,178	8,983	8,681
	100,000	24,668	20,037	15,221	12,363	10,947	10,042	9,840	9,484	9,198	8,857	8,310	7,949	7,822	7,455	7,296	7,051

All Steel

Table 12: All-steel Pillow Block Housing Permissible Thrust Load, Lbs.

BORE SIZE, INCHES	MAX. THRUST (LBS.)
2-11/16 - 3	9300
3-1/4 - 3-1/2	13800
3-15/16 - 4	13300
4-7/16 - 4-1/2	10400
4-15/16 - 5	14000

Table 13: All-steel Pillow Block And Cartridge Total Expansion Capability

BORE SIZE, INCHES	EXPANSION (INCHES)
2-11/16 - 3	3/8
3-1/4 - 3-1/2	3/8
3-15/16 - 4	3/8
4-7/16 - 4-1/2	3/8
4-15/16 - 5	25/64

Table 14: Definition Of Operating Conditions For Tapered Roller Bearings

LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 10)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RPM
HIGH SPEED	OVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 30% OF C90 (TABLE 10)
NORMAL LOAD	OVER 30% TO 70% OF C90
HEAVY LOAD	OVER 70% OF C90
LOW TEMPERATURE	-100°F TO 20°F
MEDIUM TEMPERATURE	OVER 20°F TO 200°F
HIGH TEMPERATURE	OVER 200°F TO 300°F
VERY HIGH TEMPERATURE	OVER 300°F TO 400°F

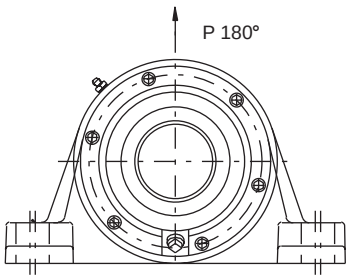


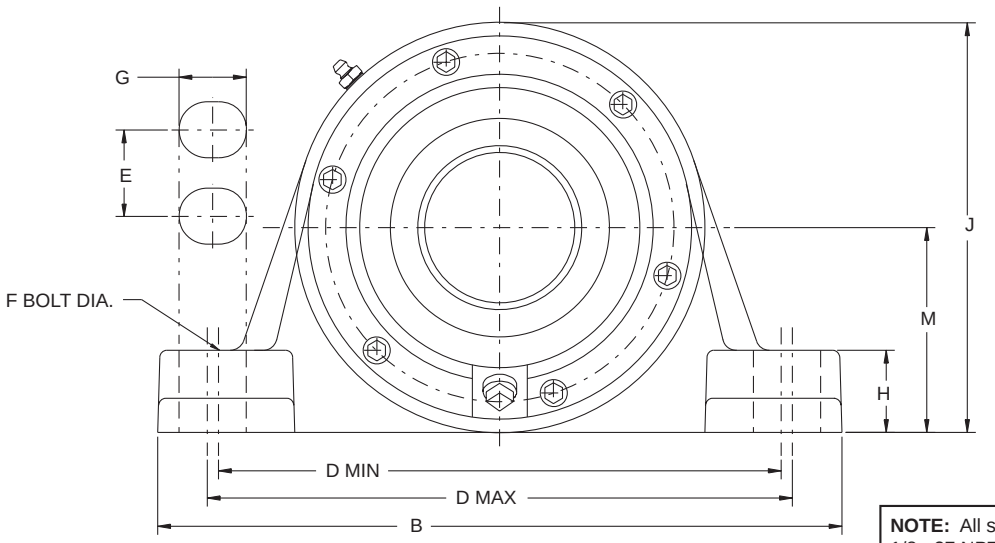
Table 15: Housing Ratings All-steel Pillow Block

SHAFT SIZE, (INCHES)	HOUSING STRENGTH, LBS.
	180°
2-11/16 - 3	30000
3-1/4 - 3-1/2	32000
3-15/16 - 4	34000
4-7/16 - 4-1/2	39000
4-15/16 - 5	39000

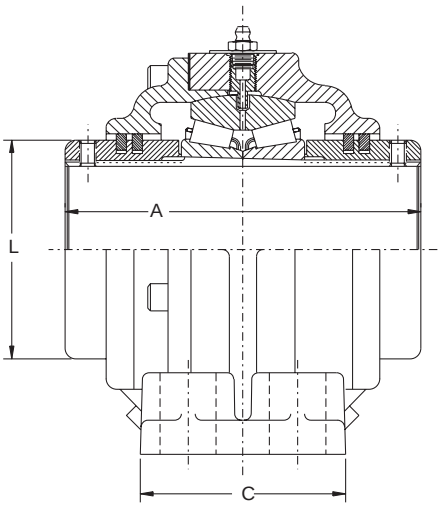
SELECTION/DIMENSIONS

All Steel Pillow Block - Inch

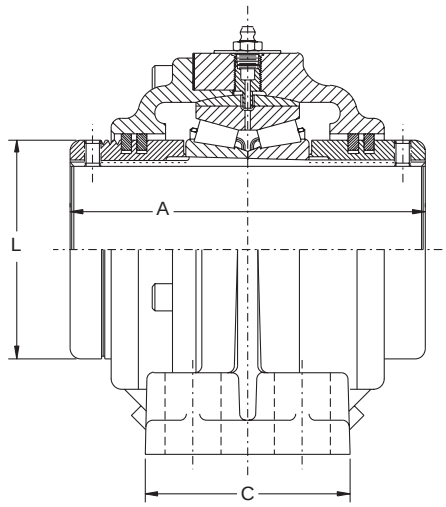
4-BOLT BASE



NOTE: All sizes use a 1/8 - 27 NPT hydraulic grease fitting



NON-EXPANSION CONSTRUCTION



EXPANSION CONSTRUCTION

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All Steel Pillow Block - Inch
4-BOLT BASE

CAST STEEL NON-EXPANSION*			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS APPROX
2-11/16	**063359**	SP4B-AS-211	45
2-15/16	**063360**	SP4B-AS-215	42
3	**063361**	SP4B-AS-300	41
3-7/16	**063362**	SP4B-AS-307	77
3-1/2	**063363**	SP4B-AS-308	77
3-15/16	**063364**	SP4B-AS-315	95
4	**063365**	SP4B-AS-400	93
4-7/16	**063366**	SP4B-AS-407	149
4-15/16	**063368**	SP4B-AS-415	190
5	**063369**	SP4B-AS-500	180

* Furnished Unless Otherwise Specified
\# Consult DODGE For Sizes Not Listed.

CAST STEEL EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS APPROX
2-11/16	**063389**	SP4B-AS-211E	45
2-15/16	**063390**	SP4B-AS-215E	42
3	**063411**	SP4B-AS-300E	41
3-7/16	**063392**	SP4B-AS-307E	77
3-1/2	**063393**	SP4B-AS-308E	77
3-15/16	**063394**	SP4B-AS-315E	95
4	**063395**	SP4B-AS-400E	93
4-7/16	**063396**	SP4B-AS-407E	149
4-15/16	**063398**	SP4B-AS-415E	190
5	**063399**	SP4B-AS-500E	180

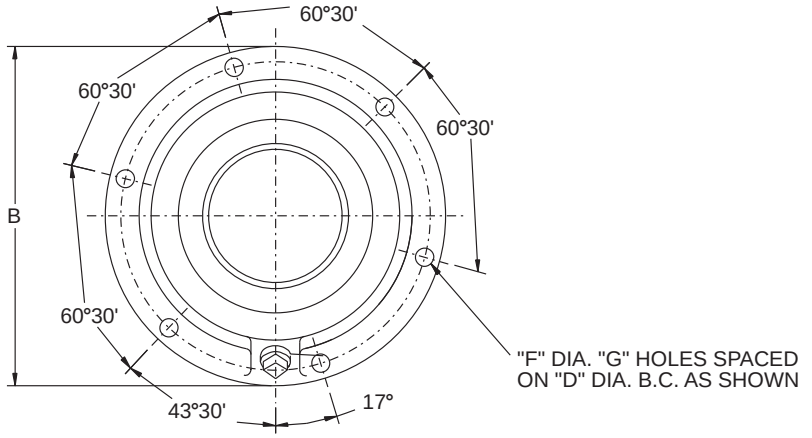
\# Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D		E	F BOLT DIA.	G	H	J	L	M	EXP*
				MIN.	MAX.								
2-11/16 2-15/16 3	6-1/2	12-1/2	3-3/4	10-5/16	10-11/16	2	5/8	15/16	1-5/8	7-1/2	4	3-3/4	3/8
3-7/16 3-1/2	7-3/4	14-1/2	4-1/2	11-7/8	12-5/8	2-3/8	3/4	1-1/8	1-7/8	9	4-11/16	4-1/2	3/8
3-15/16 4	8	15-3/4	4-3/4	13-1/8	13-7/8	2-3/4	3/4	1-1/8	2	9-3/4	5-7/16	4-15/16	3/8
4-7/16	9-3/4	18-1/4	5-1/4	14-13/16	15-11/16	3-1/4	7/8	1-5/16	2-1/4	11-3/8	6-1/16	5-3/4	3/8
4-15/16 5	9-3/4	19-1/2	5-7/8	16	17	3-3/8	1	1-1/2	2-1/2	12	6-13/16	6	25/64

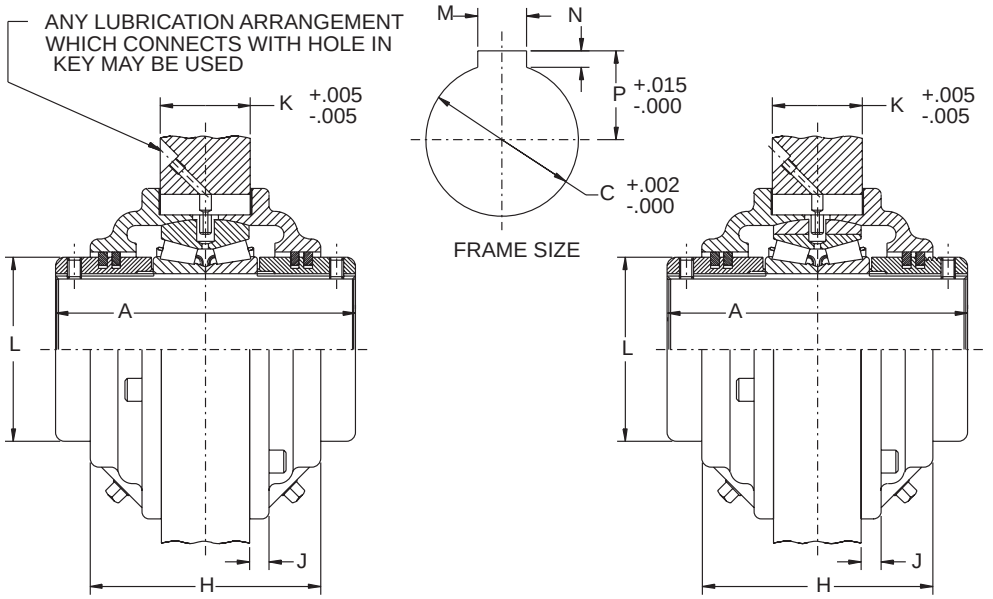
* Total Expansion for Expansion Bearing Only

SELECTION/DIMENSIONS

All Steel Cartridge Units - Inch



2-11/16" THRU 4-7/16" EXTERNAL
CONSTRUCTION



NON-EXPANSION INTERNAL
CONSTRUCTION

EXPANSION INTERNAL
CONSTRUCTION

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All Steel Cartridge Units - Inch

CAST STEEL NON-EXPANSION*			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS APPROX
2-11/16	**063420**	CRT-AS-211	30
2-15/16	**063421**	CRT-AS-215	30
3	**063422**	CRT-AS-300	30
3-7/16	**063424**	CRT-AS-307	55
3-15/16	**063426**	CRT-AS-315	65
4-7/16	**063429**	CRT-AS-407	110

* Furnished Unless Otherwise Specified

\# Consult DODGE For Sizes Not Listed.

CAST STEEL EXPANSION			
SHAFT SIZE INCHES #	PART NUMBER	PART NAME	WEIGHT LBS APPROX
2-11/16	**063450**	CRT-AS-211E	30
2-15/16	**063451**	CRT-AS-215E	30
3	**063452**	CRT-AS-300E	30
3-7/16	**063454**	CRT-AS-307E	55
3-15/16	**063456**	CRT-AS-315E	65
4-7/16	**063459**	CRT-AS-407E	110

\# Consult DODGE For Sizes Not Listed.

SHAFT SIZE INCHES	A	B	C	D	F BOLT DIA.	G	H	J	K	L	M	N	P	EXP*
2-11/16 2-15/16 3	6-1/2	7-1/8	5.697	6-3/8	3/8	6	4-7/8	3/8	2-3/16	4	1	5/8	3.429	3/8
3-7/16	7-3/4	8-3/4	7.197	7-7/8	7/16	6	6-1/32	7/16	2-3/4	4-11/16	1	5/8	4.189	
3-15/16	8	9-1/2	7.885	8-5/8	7/16	6	5-31/32	7/16	3-1/8	5-7/16	1	5/8	4.536	
4-7/16	9-1/4	10-15/16	9.072	9-7/8	1/2	6	7	1/2	3-1/2	6-1/16	1	5/8	5.133	

* Total Expansion for Expansion Bearing Only

NOTES

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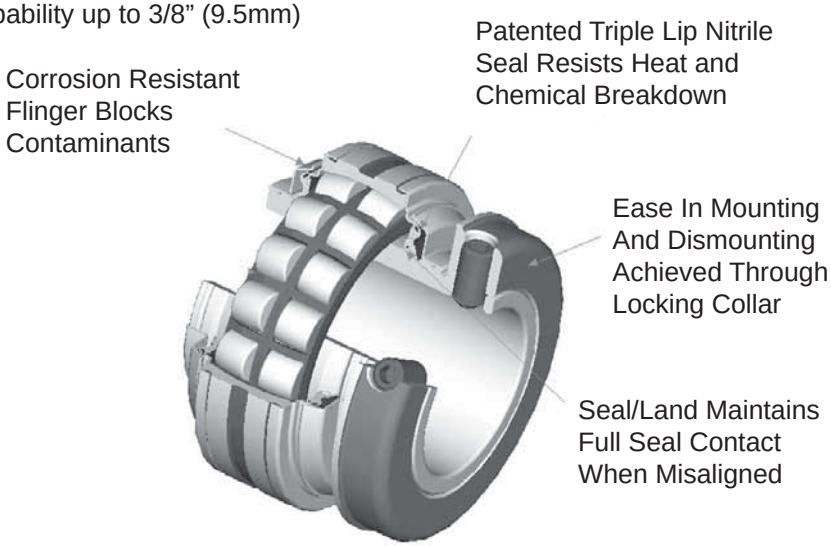
NOTES

S-2000

Longer Bearing Life By Design . . .

High capacity double row spherical rollers offer up to 250% more L_{10} life than competitive brands

- Larger rollers
- More contact area
- Case-carburized inner rings resist cracking
- Static or dynamic misalignment up to ± 1º
- Expansion capability up to 3/8” (9.5mm)



Installation Savings . . .

- Factory lubed, sealed and adjusted, ready to slip onto the shaft
- 65º Springlok collar mount for increased holding power versus 90º or 120º
- Field convertible from non-expansion to expansion and expansion to non-expansion
- Elongated pillow block bolt holes to facilitate mounting

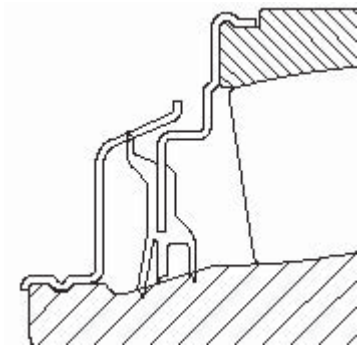
FEATURES/BENEFITS

S-2000

S-2000 Bearings Offer Patented Seal Options To Maximize Bearing Life . . .

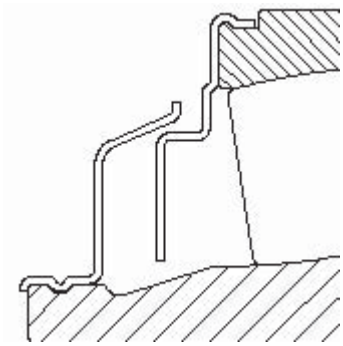
TRIDENT™ Seals for low to medium speed

- Face rubbing triple lip seal
- Flinger to shield seal and bearing from contamination/damage
- Seal/land positive contact up to ± 1° degree of misalignment
- Patented design



Labyrinth seals for higher speeds

- High speed for relatively clean environments
- Flinger shields seal and bearing from contamination/damage
- Seal operates with up to ± 1° degree of misalignment
- Patented design



SPECIFICATION

DODGE®

S-2000

INCH

DODGE Spherical Bearings, including S-2000 bearings, are general purpose, high-capacity, double-row spherical roller bearings. All are mounted in single piece precision machined housings. Bearings are mounted to shafts by means of set screw collars, with 65 degree set screw spacing for maximum clamping force.

ASTM A48 Class 30 cast iron is the standard material used in S-2000 housings. Housing designs are available for survival in extreme harsh environments, through the use of special finishes and stainless hardware.

Housings are available in a variety of standard configurations, including pillow blocks, flanges, piloted flanges and take-up bearings. TRIDENT triple lip contact seal and Labyrinth seals are available on S-2000 bearings.

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HOW TO ORDER

S-2000

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B8-7 and add any special instructions to the end of the description for options not covered by the nomenclature.

DODGE Spherical Bearings are factory adjusted and pre-lubricated. For applications where extreme ambient temperatures, high speeds, or high loads are expected, a variety of specialty lubricants is available. Standard grease provided is lithium complex base Mobilith AW2. High temperature greases available include Mobil HTS #2 and Mobilith SHC460. Other special lubricants are available upon request. Special lubricant options usually involve set-up charges, minimum quantities and list price premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example: 070320 except with Mobilith SHC 460 grease
or
P2BS2108L except with Mobilith SHC 460 grease

For applications requiring modifications not listed, we encourage you to contact our Application Engineering Department for Bearings at 864-284-5700.

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NOMENCLATURE

S-2000

E P2B - S2 - 207 - R E

HOUSING STYLE	BEARING TYPE	SIZE	SEAL	OTHER DATA
"E" prefix denotes Type E dimensioned housing with S2000 spherical roller bearing insert *	P2B = Pillow Block 2 Bolt Base, Cast Iron P4B = Pillow Block 4 Bolt Base, Cast Iron F3R = Flange Bearing 3 Bolt, Cast Iron, Round F4S = Flange Bearing 4 Bolt, Cast Iron, Square F4R = Flange Bearing 4 Bolt, Cast Iron, Round FC = Piloted Flanged (Flanged Cartridge) WSTU = Wide Slot Take-Up Bearing For Use In Center-Pull Frames TPHU = TPHU Take-up Bearing For Use In TPHU Or Top Angle Take-Up Frames	S2 = S-2000	Inches and 16th 2 = 2" 07 = 7/16" 207 = 2-7/16"	R = TRIDENT Triple Lip Rubbing Seal L = Labyrinth Metallic Seal	E = Expansion Type Bearing - If "E" Does Not Appear, Bearing Is Non Expansion Type

* Available in two or four bolt pillow blocks, four bolt square flanges and piloted flanges

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FEATURES/BENEFITS

S-2000-E

- Interchangeable with Type E style pillow blocks and flanges
- Same proven DODGE S-2000 double row spherical insert
- 65° springlock collar mounting
- Up to ±1° misallignment capability
- Seal land on OD of inner ring maintains full contact pressure even when misalligned
- High capacity double row spherical bearing
- 2 bolt pillow blocks in sizes 1-3/8 to 3-7/16”
- 4 bolt pillow blocks in sizes 2-7/16 to 4-15/16”
- Flange bearings in sizes 1-3/8 to 4-7/16”
- Piloted flange bearings in sizes 1-3/8 to 4-15/16”

S-2000
SPHERICAL ROLLER BEARINGS

DODGE Spherical Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE spherical roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-284-5700) for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10}\ \text{Life, Hours} = \left(\frac{C}{P}\right)^{10/3} X \left(\frac{16667}{RPM}\right)$$

Where: C = Dynamic Capacity (Table 1 on page B8-12) lbs.

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. Spherical bearings require a radial load at least equal to the thrust load for proper operation. If the thrust load exceeds this limit, consult Application Engineering. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening of the set screws, shaft tolerance and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM	20-200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. The radial load is limited by the attachment to the shaft (see Table 1 on page B8-12). Where the applied radial load (FR) exceeds this limit (maximum allowable slip fit radial load), a snug-to-light press fit of the shaft is required. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Table 4 on page B8-16 and for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial loads for flange units.

SHAFT TOLERANCES	
SHAFT SIZE	S-2000
UP TO 1-1/2”	+.0000 -.0005”
1-9/16 TO 4”	+.000 -.001”
4-7/16 TO 5”	+.000 -.0015”

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BEARING SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R

   (F_R = P for Pure Radial Load Conditions). The DODGE program BEST™ ★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 2 on page B8-13, find, under the RPM column, the equivalent radial load that equals or is slightly higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application.

If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 4000 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4011 lbs. exceeds the 4000 lbs. radial load for shaft size 2-7/16". A bearing with bore 2-7/16", or larger, may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity **C** is identified in terms of L_{10}, RPM and P

$$C = \left(\frac{L_{10} \times RPM}{16667} \right)^{0.3} \times P$$

(P = F_R for Pure Radial Load Conditions)

Since the L_{10}, RPM and P are known, solve for C. Select from the dynamic capacity column on Table 1 on page B8-12 the **C** value equal to or greater than the **C** value just calculated. The bore size on the far left represents the proper bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1. Also check that the radial load does not exceed the Maximum Allowable Slip Fit Radial Load shown on Table 1 on page B8-12. If it does, a line-to-line to light press fit of shaft is required. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load $P = XF_R + YF_A$

Where:

P = Equivalent radial load, lbs.

F_R = Radial load, lbs. (see Table 1 for allowable slip fit maximum load)

F_A = Thrust (axial) load, lbs.

e = Thrust load to radial load factor (Table 1)

X = Radial load factor (Table 1)

Y = Thrust load factor (Table 1)

★ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at www.ptwizard.com under the Product Selection area.

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To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1 on page B8-12 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 2 on page B8-13.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. However, they will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-281-2195).

SELECTING LUBRICATION

DODGE S-2000 spherical roller bearings are lubricated at the factory with Mobilith AW2 grease. Mobilith AW2 grease is a superior industrial grease using a lithium complex thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 3 on page B8-15. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864-284-5700). DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Unitized roller bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

MISALIGNMENT CONSIDERATIONS

In nearly all applications, good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE Unitized Spherical Roller Bearings. S-2000 bearings are designed to allow a maximum of ±1° of static and dynamic misalignment. However, for optimum seal performance, misalignment should be kept under ±0.5°. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

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Table 1: S-2000 Spherical Roller Bearings

Shaft Size Inches	Basic Bearing Description	e	FA/FR< e		FA/FR>e		Max. Allowable Slip Fit Radial Load FR* Pounds	Dynamic Capacity (C) Pounds	Static Capacity Co	Maximum Speed **	
			X	Y	X	Y				Labyrinth RPM	TRIDENT Triple Lip RPM
1-3/8 1-7/16 1-1/2	22208	0.28	1.0	2.4	0.67	3.6	3,750	20,800	21,000	3,600	2,900
1-11/16 1-3/4	22209	0.26	1.0	2.6	0.67	3.9	3,750	20,800	22,000	3,360	2,460
1-15/16 2	22210	0.24	1.0	2.8	0.67	4.2	4,000	22,000	24,000	3,180	2,200
2-3/16	22211	0.23	1.0	2.9	0.67	4.3	4,860	27,000	29,000	2,700	1,950
2-7/16	22213	0.24	1.0	2.8	0.67	4.2	6,840	39,000	47,500	2,250	1,740
2-11/16 2-15/16 3	22215	0.22	1.0	3.1	0.67	4.6	7,500	41,500	53,000	2,040	1,490
3-7/16	22218	0.23	1.0	2.9	0.67	4.3	11,500	65,500	81,500	1,560	1,280
3-15/16	22220	0.24	1.0	2.8	0.67	4.2	14,400	83,000	104,000	1,320	1,075
4-7/16	22222	0.25	1.0	2.7	0.67	4.1	18,400	104,000	132,000	1,200	990
4-15/16	22226	0.26	1.0	2.6	0.67	3.9	25,700	146,000	196,000	1,020	870

* If load exceeds the maximum allowable slip fit load, line- to-line to light press fit of shaft required. Maximum slip fit radial loads apply if recommended shaft sizes are used.

** Maximum speed is dependent on load and ambient conditions, consult DODGE Engineering.

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Table 2: Easy Selection Table for S-2000 Double Row Spherical Roller Bearings

Shaft Size Inches	L10 Life Hours	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																
		50	100	150	250	500	870	1,020	1,200	1,320	1,560	1,750	2,040	2,250	2,700	3180	3360	3600
1-3/8 to 1-1/2	10,000	7,498	6,090	5,393	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,581	2,465	2,393	1,495	2,157	2,122	2,078
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,078	2,020	1,921	1,856	1,773	1,721	1,495	1,552	1,526	1,495
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,907	1,853	1,762	1,703	1,626	1,579	1,495	1,423	1,400	1,371
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,688	1,641	1,560	1,508	1,440	1,398	1,324	1,260	1,240	1,214
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,448	1,407	1,339	1,293	1,235	1,199	1,136	1,081	1,063	1,042
1-11/16 to 1-3/4	10,000	7,498	6,090	5,393	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,581	2,465	1,579	2,266	2,157	2,122	
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,078	2,020	1,921	1,856	1,773	1,579	1,630	1,552	1,526	
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,907	1,853	1,762	1,703	1,626	1,579	1,495	1,423	1,400	
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,688	1,641	1,560	1,508	1,440	1,398	1,324	1,260	1,240	
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,448	1,407	1,339	1,293	1,235	1,199	1,136	1,081	1,063	
1-15/16 to 2	10,000	7,930	6,441	5,704	4,893	3,975	3,366	3,209	3,057	2,970	2,825	2,729	1,720	2,531	2,396	2,282		
	30,000	5,704	4,633	4,102	3,519	2,859	2,421	2,308	2,198	2,136	2,032	1,963	1,720	1,820	1,724	1,641		
	40,000	5,232	4,250	3,763	3,228	2,622	2,221	2,117	2,017	1,960	1,864	1,801	1,720	1,670	1,581	1,505		
	60,000	4,633	3,763	3,332	2,859	2,322	1,966	1,875	1,786	1,735	1,650	1,594	1,523	1,479	1,400	1,333		
	100,000	3,975	3,228	2,859	2,452	1,992	1,687	1,608	1,532	1,489	1,416	1,368	1,306	1,269	1,201	1,144		
2-3/16	10,000	9,733	7,905	7,000	6,005	4,878	4,131	3,939	3,751	3,645	3,467	2,210	3,199	3,106	2,941			
	30,000	7,000	5,686	5,035	4,319	3,508	2,971	2,833	2,698	2,622	2,494	2,210	2,301	2,234	2,115			
	40,000	6,421	5,216	4,618	3,962	3,218	2,726	2,599	2,475	2,405	2,288	2,210	2,111	2,050	1,940			
	60,000	5,686	4,618	4,089	3,508	2,850	2,413	2,301	2,191	2,130	2,026	1,957	1,869	1,815	1,718			
	100,000	4,878	3,962	3,508	3,010	2,445	2,070	1,974	1,880	1,827	1,738	1,679	1,603	1,557	1,474			
2-7/16	10,000	14,058	11,419	10,111	8,674	7,046	5,967	5,689	5,418	5,266	5,008	4,838	4,621	4,487				
	30,000	10,111	8,213	7,272	6,239	5,068	4,292	4,092	3,897	3,787	3,602	3,480	3,324	3,227				
	40,000	9,275	7,534	6,671	5,723	4,649	3,937	3,753	3,575	3,474	3,304	3,192	3,049	2,960				
	60,000	8,213	6,671	5,907	5,068	4,116	3,486	3,324	3,165	3,076	2,926	2,827	2,700	2,621				
	100,000	7,046	5,723	5,068	4,348	3,531	2,991	2,851	2,716	2,639	2,510	2,425	2,316	2,249				
2-11/16 to 3	10,000	14,959	12,151	10,759	9,230	7,497	6,350	6,054	5,766	3,697	5,329	5,149	4,917					
	30,000	10,759	8,739	7,738	6,639	5,392	4,567	4,354	4,147	3,697	3,833	3,703	3,537					
	40,000	9,870	8,017	7,098	6,090	4,946	4,189	3,994	3,804	3,697	3,516	3,397	3,244					
	60,000	8,739	7,098	6,285	5,392	4,380	3,709	3,537	3,368	3,273	3,113	3,008	2,873					
	100,000	7,497	6,090	5,392	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,580	2,464					
3-7/16	10,000	23,611	19,178	16,981	14,569	11,833	10,022	9,555	6,004	8,844	8,411							
	30,000	16,981	13,793	12,213	10,478	8,511	7,208	6,872	6,004	6,360	6,050							
	40,000	15,577	12,653	11,203	9,612	7,807	6,612	6,304	6,004	5,835	5,549							
	60,000	13,793	11,203	9,920	8,511	6,913	5,855	5,582	5,316	5,166	4,914							
	100,000	11,833	9,612	8,511	7,302	5,931	5,023	4,789	4,561	4,432	4,216							

Only the labyrinth seal (L seal) may be used to the right of the heavy line.

In the light shaded area, a line-to-line to light press fit on the shaft is required.

For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the 10 shown at the left.

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S-2000

Table 2: Easy Selection Table for S-2000 Double Row Spherical Roller Bearings (continued)

Shaft Size Inches	L10 Life Hours	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																
		50	100	150	250	500	870	1,020	1,200	1,320	1,560	1,750	2,040	2,250	2,700	3180	3360	3600
3-15/16	10,000	29,919	24,302	21,518	18,461	14,995	12,699	7,988	11,531	11,206								
	30,000	21,518	17,478	15,476	13,278	10,785	9,134	7,988	8,294	8,060								
	40,000	19,739	16,033	14,197	12,180	9,893	8,378	7,988	7,608	7,393								
	60,000	17,478	14,197	12,571	10,785	8,760	7,419	7,073	6,737	6,547								
	100,000	14,995	12,180	10,785	9,252	7,515	6,365	6,068	5,779	5,616								
4-7/16	10,000	37,489	30,450	26,963	23,132	18,789	10,498	15,171	14,449									
	30,000	26,963	21,901	19,392	16,637	13,513	10,498	10,911	10,392									
	40,000	24,733	20,090	17,789	15,261	12,396	10,498	10,009	9,533									
	60,000	21,901	17,789	15,751	13,513	10,976	9,296	8,863	8,441									
	100,000	18,789	15,261	13,513	11,593	9,417	7,975	7,603	7,242									
4-15/16	10,000	52,628	42,747	37,851	32,473	26,377	14,738	21,298										
	30,000	37,851	30,745	27,224	23,356	18,971	14,738	15,318										
	40,000	34,722	28,203	24,973	21,424	17,402	14,738	14,051										
	60,000	30,745	24,973	22,112	18,971	15,409	13,050	12,442										
	100,000	26,377	21,424	18,971	16,275	13,220	11,196	10,674										

Only the labyrinth seal (L seal) may be used to the right of the heavy line.

In the light shaded area, a line-to-line to light press fit on the shaft is required.

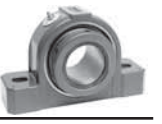
For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the L10 shown at the left.

Table 3: Definition Of Operating Conditions For Unitized Spherical Roller Bearings

LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 1)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RP
HIGH SPEED	MOVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 8% OF C (TABLE 1)
NORMAL LOAD	OVER 8% TO 18% OF **C**
HEAVY LOAD	OVER 18% OF **C**
	C = DYNAMIC CAPACITY
LOW TEMPERATURE	-20 to -100°F
MEDIUM TEMPERATURE	OVER 20°F TO 200°F
HIGH TEMPERATURE	OVER 200°F TO 250°F

SELECTION

DODGE®



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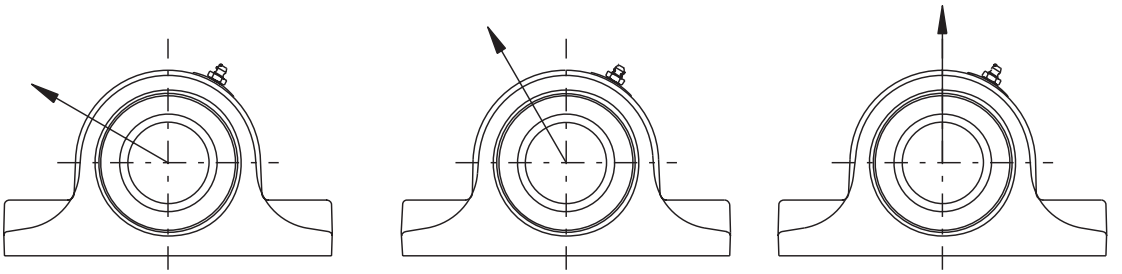

Table 4: S-2000 Housing Rating, 2-Bolt, Cast Iron*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120°	150°	180°
1-3/8 to 1-1/2	2110	2640	3100
1-5/8 to 1-3/4	2380	2980	3500
1-15/16 to 2	3130	3910	4600
2-3/16	3330	4160	4900
2-7/16	3330	4160	4900
2-11/16 to 3	4420	5520	6500
3-3/16 to 3-7/16	4620	5780	6800
3-15/16	7500	9350	11000

* When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures:

1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
3. In all cases where loads are heavy, the L_{10} life of the bearing should be checked for proper selection and life requirements.

S-2000

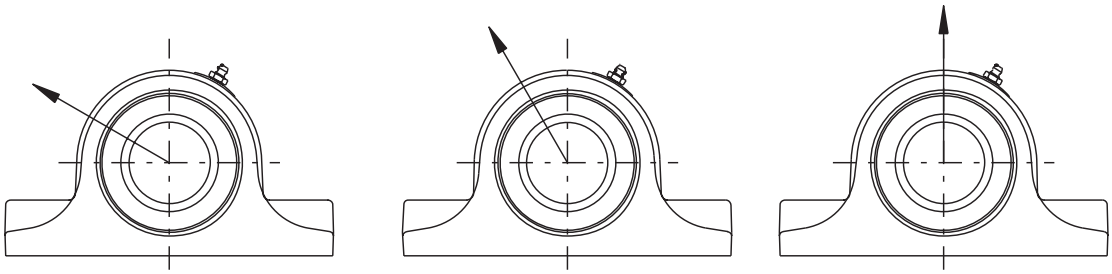

Table 5: S-2000 Housing Rating, 4-Bolt, Cast Iron*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120˚	150˚	180˚
1-15/16 - 2	3200	4000	4700
2-3/16	3300	4100	4800
2-7/16	3810	4760	5600
2-11/16 to 3	4620	5780	6800
3-7/16	4700	5870	6900
3-15/16	7500	9350	11000
4-7/16	9900	12330	14500
4-15/16	13400	16750	19700

* When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures:

1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
3. In all cases where loads are heavy, the L_{10} life of the bearing should be checked for proper selection and life requirements.

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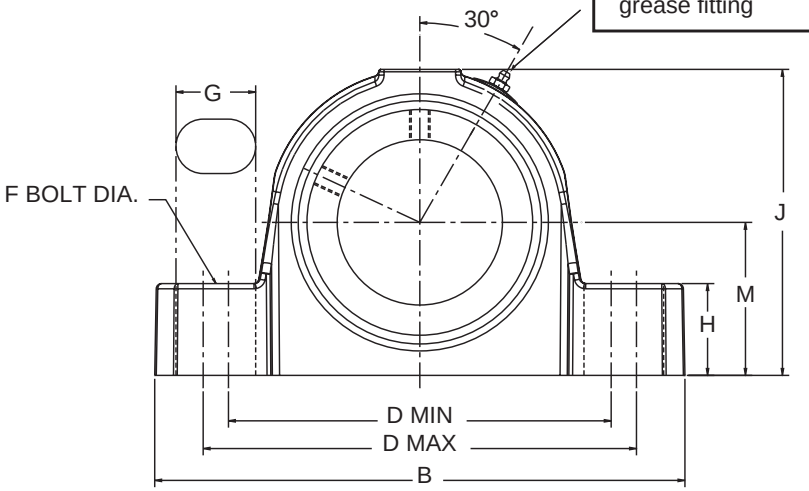
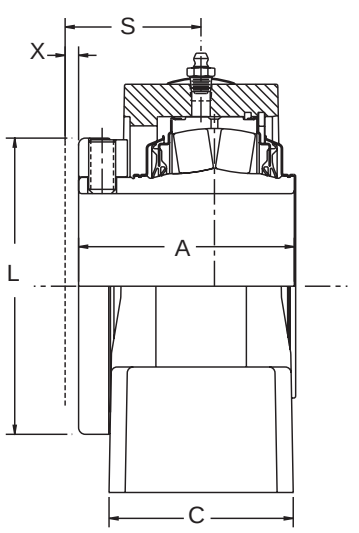
DIMENSIONS

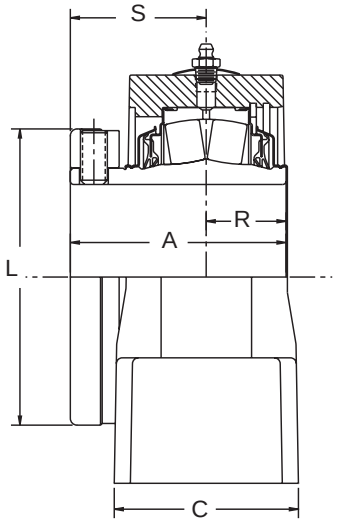
S-2000 Pillow Block
2-BOLT BASE - INCH

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting





EXPANSION



NON-EXPANSION

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DODGE®

S-2000 Pillow Block
2-BOLT BASE - INCH

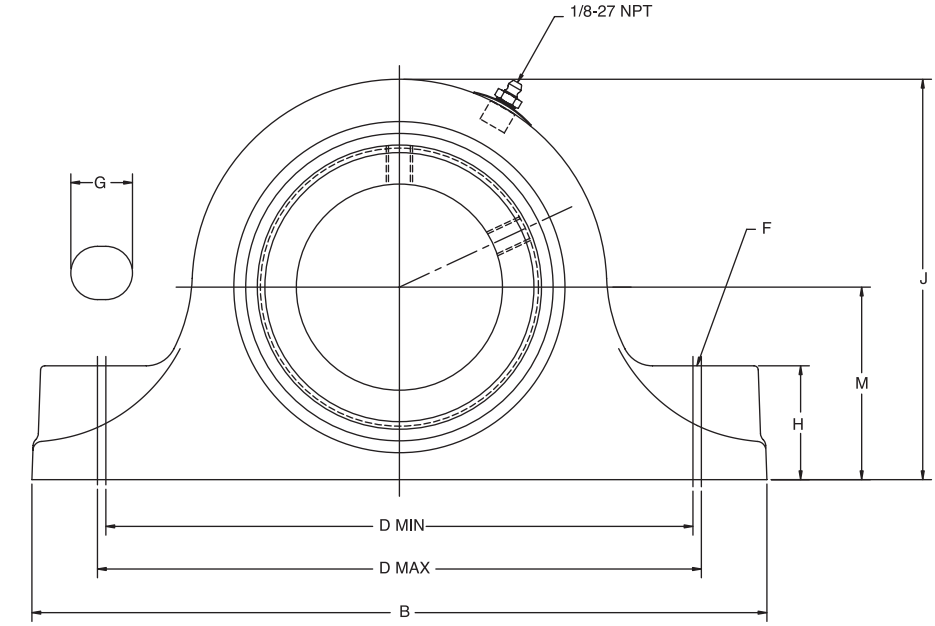
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**070272**	P2B-S2-106R	**070295**	P2B-S2-106RE	**070318**	P2B-S2-106L	**070341**	P2B-S2-106LE
	1-7/16	**070273**	P2B-S2-107R	**070296**	P2B-S2-107RE	**070319**	P2B-S2-107L	**070342**	P2B-S2-107LE
	1-1/2	**070274**	P2B-S2-108R	**070297**	P2B-S2-108RE	**070320**	P2B-S2-108L	**070343**	P2B-S2-108LE
22209	1-11/16	**070276**	P2B-S2-111R	**070299**	P2B-S2-111RE	**070322**	P2B-S2-111L	**070345**	P2B-S2-111LE
	1-3/4	**070277**	P2B-S2-112R	**070300**	P2B-S2-112RE	**070323**	P2B-S2-112L	**070346**	P2B-S2-112LE
22210	1-15/16	**070278**	P2B-S2-115R	**070301**	P2B-S2-115RE	**070324**	P2B-S2-115L	**070347**	P2B-S2-115LE
	2	**070279**	P2B-S2-200R	**070302**	P2B-S2-200RE	**070325**	P2B-S2-200L	**070348**	P2B-S2-200LE
22211	2-3/16	**070280**	P2B-S2-203R	**070303**	P2B-S2-203RE	**070326**	P2B-S2-203L	**070349**	P2B-S2-203LE
22213	2-7/16	**070282**	P2B-S2-207R	**070305**	P2B-S2-207RE	**070328**	P2B-S2-207L	**070351**	P2B-S2-207LE
22215	2-11/16	**070284**	P2B-S2-211R	**070307**	P2B-S2-211RE	**070330**	P2B-S2-211L	**070353**	P2B-S2-211LE
	2-15/16	**070285**	P2B-S2-215R	**070308**	P2B-S2-215RE	**070331**	P2B-S2-215L	**070354**	P2B-S2-215LE
	3	**070286**	P2B-S2-300R	**070309**	P2B-S2-300RE	**070332**	P2B-S2-300L	**070355**	P2B-S2-300LE
22218	3-7/16	**070288**	P2B-S2-307R	**070311**	P2B-S2-307RE	**070334**	P2B-S2-307L	**070357**	P2B-S2-307LE
22220	3-15/16	**070290**	P2B-S2-315R	**070313**	P2B-S2-315RE	**070336**	P2B-S2-315L	**070359**	P2B-S2-315LE

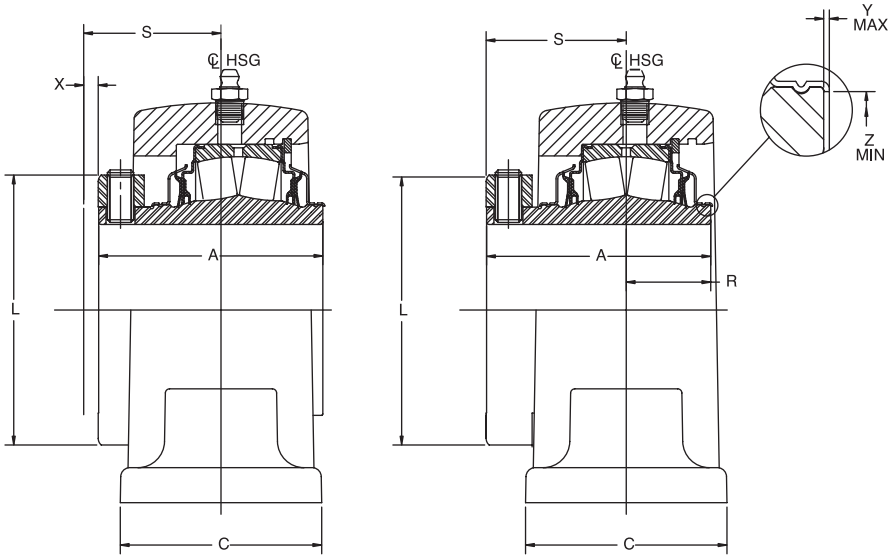
SHAFT SIZE	A	B	C	D		F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX									
1-3/8 1-7/16 1-1/2	2-17/32	6-7/8	1-61/64	4-13/16	5-13/64	1/2	13/16	1-1/8	3-7/8	2-3/4	1-7/8	7/8	1-21/32	3/16
1-11/16 1-3/4	2-43/64	7-3/8	2-1/16	5-5/16	5-45/64	1/2	13/16	1-1/4	4-17/64	3-3/16	2-1/8	13/16	1-55/64	1/4
1-15/16 2	2-27/32	8-3/8	2-1/2	6-1/16	6-7/16	5/8	61/64	1-5/16	4-9/16	3-7/16	2-1/4	55/64	1-63/64	1/4
2-3/16	2-15/16	8-7/8	2-5/8	6-9/16	6-15/16	5/8	61/64	1-1/2	5	3-3/4	2-1/2	29/32	2-1/32	1/4
2-7/16	3-13/64	9-1/4	2-55/64	6-15/16	7-5/16	5/8	61/64	1-5/8	5-19/32	4-1/16	2-3/4	1-1/8	2-5/64	1/4
2-11/16 2-15/16 3	3-19/32	10-7/16	3-5/64	7-15/16	8-5/16	3/4	1-1/16	1-7/8	6-3/8	4-45/64	3-1/4	1-9/64	2-29/64	1/4
3-7/16	4-1/64	13	3-27/64	9-3/8	10-5/8	7/8	1-5/8	2-1/4	7-1/2	5-1/2	3-3/4	1-13/32	2-39/64	1/4
3-15/16	4-15/32	15-1/4	3-29/32	10-5/8	12-7/8	1	2-1/4	2-7/16	8-3/8	6	4-1/4	1-9/16	2-29/32	5/16

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

DIMENSIONS

S-2000 Pillow Block with Type E Dimensions
2-BOLT





EXPANSION NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

S-2000 Pillow Block with Type E Dimensions
2-BOLT

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**071389**	EP2B-S2-106R	**071400**	EP2B-S2-106RE	**071411**	EP2B-S2-106L	**071422**	EP2B-S2-106LE
	1-7/16	**071390**	EP2B-S2-107R	**071401**	EP2B-S2-107RE	**071412**	EP2B-S2-107L	**071423**	EP2B-S2-107LE
22209	1-11/16	**071391**	EP2B-S2-111R	**071402**	EP2B-S2-111RE	**071413**	EP2B-S2-111L	**071424**	EP2B-S2-111LE
22210	1-15/16	**071392**	EP2B-S2-115R	**071403**	EP2B-S2-115RE	**071414**	EP2B-S2-115L	**071425**	EP2B-S2-115LE
	2	**071393**	EP2B-S2-200R	**071404**	EP2B-S2-200RE	**071415**	EP2B-S2-200L	**071426**	EP2B-S2-200LE
22211	2-3/16	**071394**	EP2B-S2-203R	**071405**	EP2B-S2-203RE	**071416**	EP2B-S2-203L	**071427**	EP2B-S2-203LE
22213	2-7/16	**071395**	EP2B-S2-207R	**071406**	EP2B-S2-207RE	**071417**	EP2B-S2-207L	**071428**	EP2B-S2-207LE
22215	2-11/16	**071396**	EP2B-S2-211R	**071407**	EP2B-S2-211RE	**071418**	EP2B-S2-211L	**071429**	EP2B-S2-211LE
	2-15/16	**071397**	EP2B-S2-215R	**071408**	EP2B-S2-215RE	**071419**	EP2B-S2-215L	**071430**	EP2B-S2-215LE
	3	**071398**	EP2B-S2-300R	**071409**	EP2B-S2-300RE	**071420**	EP2B-S2-300L	**071431**	EP2B-S2-300LE
22218	3-7/16	**071399**	EP2B-S2-307R	**071410**	EP2B-S2-307RE	**071421**	EP2B-S2-307L	**071432**	EP2B-S2-307LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B#	C#	D		F BOLT DIA.	G#	H#	J#	L	M	R	S	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
				MIN	MAX													
1-3/8 1-7/16	2.53	7.37	2.12	5.63	5.88	1/2	0.75	1.13	3.85	2.55	1.875	1.03	1.50	0.16	0.020	1.80	5/16-18	165
1-11/16	2.67	7.88	2.38	6.13	6.38	1/2	0.75	1.25	4.25	3.01	2.125	0.98	1.69	0.19	0.020	2.08	5/16-18	165
1-15/16 2	2.84	8.87	2.49	6.88	7.12	5/8	0.88	1.31	4.47	3.44	2.250	1.08	1.76	0.22	0.020	2.30	3/8-16	290
2-3/16	2.94	9.62	2.56	7.63	7.88	5/8	0.88	1.50	5.00	3.50	2.500	1.06	1.88	0.25	0.025	2.60	3/8-16	290
2-7/16	3.20	10.50	2.87	8.38	8.62	5/8	0.88	1.63	5.71	4.06	2.750	1.20	2.00	0.25	0.025	2.95	3/8-16	290
2-11/16 2-15/16 3	3.59	12.00	2.99	9.31	9.69	3/4	1.07	1.88	6.32	4.61	3.125	1.34	2.25	0.25	0.025	3.47	1/2-13	620
3-7/16	4.01	14.00	3.49	10.81	11.19	7/8	1.19	2.25	7.69	5.50	3.750	1.51	2.50	0.25	0.025	4.05	1/2-13	620

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

REFERENCE DIMENSION ONLY

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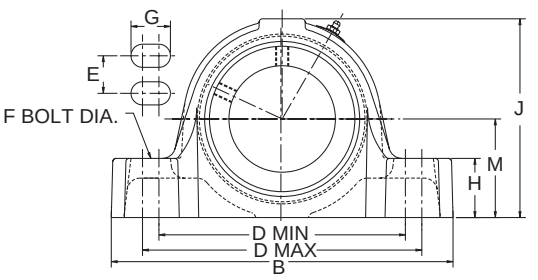
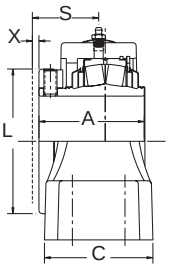
DIMENSIONS

S-2000 Pillow Block
4-BOLT BASE

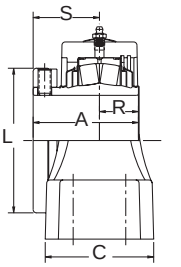
NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting





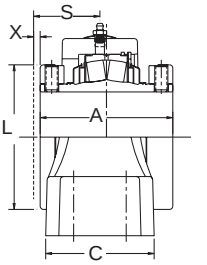
1-15/16 TRU 3-15/16" CONSTRUCTION

EXPANSION



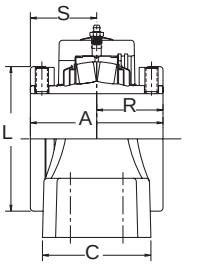
1-15/16 TRU 3-15/16" CONSTRUCTION

NON-EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

NON-EXPANSION

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DODGE®

S-2000 Pillow Block
4-BOLT BASE

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22210	1-15/16	**070361**	P4B-S2-115R	**070379**	P4B-S2-115RE	**070397**	P4B-S2-115L	**070415**	P4B-S2-115LE
	2	**070362**	P4B-S2-200R	**070380**	P4B-S2-200RE	**070398**	P4B-S2-200L	**070416**	P4B-S2-200LE
22211	2-3/16	**070363**	P4B-S2-203R	**070381**	P4B-S2-203RE	**070399**	P4B-S2-203L	**070417**	P4B-S2-203LE
22213	2-7/16	**070365**	P4B-S2-207R	**070383**	P4B-S2-207RE	**070401**	P4B-S2-207L	**070419**	P4B-S2-207LE
22215	2-11/16	**070367**	P4B-S2-211R	**070385**	P4B-S2-211RE	**070403**	P4B-S2-211L	**070421**	P4B-S2-211LE
	2-15/16	**070368**	P4B-S2-215R	**070386**	P4B-S2-215RE	**070404**	P4B-S2-215L	**070422**	P4B-S2-215LE
	3	**070369**	P4B-S2-300R	**070387**	P4B-S2-300RE	**070405**	P4B-S2-300L	**070423**	P4B-S2-300LE
22218	3-7/16	**070371**	P4B-S2-307R	**070389**	P4B-S2-307RE	**070407**	P4B-S2-307L	**070425**	P4B-S2-307LE
22220	3-15/16	**070373**	P4B-S2-315R	**070391**	P4B-S2-315RE	**070409**	P4B-S2-315L	**070427**	P4B-S2-315LE
22222	4-7/16	**070375**	P4B-S2-407R	**070393**	P4B-S2-407RE	**070411**	P4B-S2-407L	**070429**	P4B-S2-407LE
22226	4-15/16	**070377**	P4B-S2-415R	**070395**	P4B-S2-415RE	**070413**	P4B-S2-415L	**070431**	P4B-S2-415LE

SHAFT SIZE	A	B	C	D		E	F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX										
1-15/16 2	2-27/32	8	3-3/16	6-1/16	6-7/16	1-19/32	1/2	13/16	1-5/16	4-9/16	3-7/16	2-1/4	27/32	2	1/4
2-3/16	2-15/16	8-7/8	3-1/4	6-9/16	6-15/16	1-11/16	1/2	13/16	1-1/2	5	3-3/4	2-1/2	29/32	2-1/32	1/4
2-7/16	3-13/64	9-1/4	3-3/8	6-15/16	7-5/16	1-3/4	1/2	13/16	1-5/8	5-19/32	4-1/16	2-3/4	1-5/64	2-1/8	1/4
2-11/16 2-15/16 3	3-19/32	10-7/16	3-3/4	7-15/16	8-5/16	1-7/8	5/8	15/16	1-7/8	6-7/16	4-45/64	3-1/4	1-3/32	2-1/2	1/4
3-7/16	4-1/64	13	4-1/8	9-3/8	10-5/8	2	3/4	1-1/2	2-1/4	7-9/16	5-1/2	3-3/4	1-7/16	2-37/64	1/4
3-15/16	4-15/32	15-1/4	4-1/2	12-1/8	12-7/8	2-1/4	3/4	1-1/4	2-7/16	8-7/16	6	4-1/4	1-41/64	2-53/64	5/16
4-7/16	6-17/32	16-1/2	4-3/4	13	14	2-1/2	3/4	1-3/8	2-3/4	9-5/8	6-29/64	4-3/4	3-5/64	3-29/64	3/8
4-15/16	6-29/32	18-5/8	5-3/8	15	16	2-3/4	7/8	1-1/2	3	11-1/8	7-29/64	5-1/2	3-17/64	3-41/64	3/8

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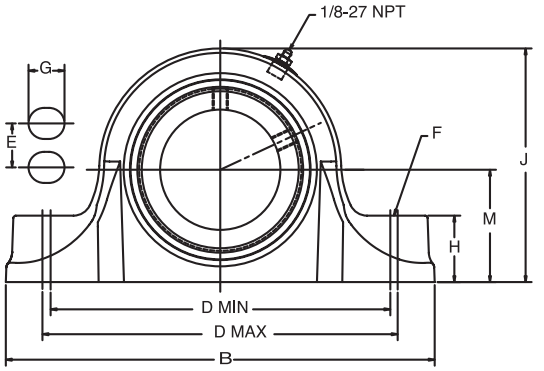
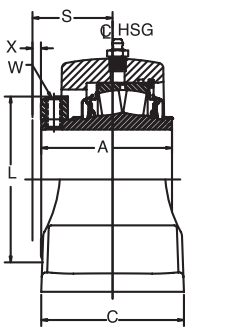
DIMENSIONS

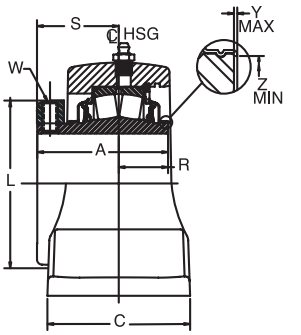
S-2000 Pillow Block with Type E Dimensions
4-BOLT





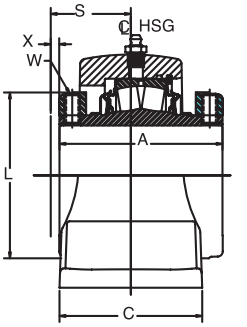
2-7/16 THRU 3-15/16" CONSTRUCTION

EXPANSION



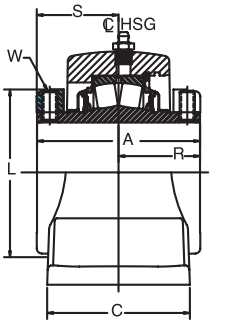
2-7/16 THRU 3-15/16" CONSTRUCTION

NON-EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

S-2000 Pillow Block with Type E Dimensions
4-BOLT

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-7/16	**071433**	EP4B-S2-207R	**071441**	EP4B-S2-207RE	**071449**	EP4B-S2-207L	**071457**	EP4B-S2-207LE
22215	2-11/16	**071434**	EP4B-S2-211R	**071442**	EP4B-S2-211RE	**071450**	EP4B-S2-211L	**071458**	EP4B-S2-211LE
	2-15/16	**071435**	EP4B-S2-215R	**071443**	EP4B-S2-215RE	**071451**	EP4B-S2-215L	**071459**	EP4B-S2-215LE
	3	**071436**	EP4B-S2-300R	**071444**	EP4B-S2-300RE	**071452**	EP4B-S2-300L	**071460**	EP4B-S2-300LE
22218	3-7/16	**071437**	EP4B-S2-307R	**071445**	EP4B-S2-307RE	**071453**	EP4B-S2-307L	**071461**	EP4B-S2-307LE
22220	3-15/16	**071438**	EP4B-S2-315R	**071446**	EP4B-S2-315RE	**071454**	EP4B-S2-315L	**071462**	EP4B-S2-315LE
22222	4-7/16	**071439**	EP4B-S2-407R	**071447**	EP4B-S2-407RE	**071455**	EP4B-S2-407L	**071463**	EP4B-S2-407LE
22226	4-15/16	**071440**	EP4B-S2-415R	**071448**	EP4B-S2-415RE	**071456**	EP4B-S2-415L	**071464**	EP4B-S2-415LE

*CONSULT DODGE FOR SIZES NOT LISTED

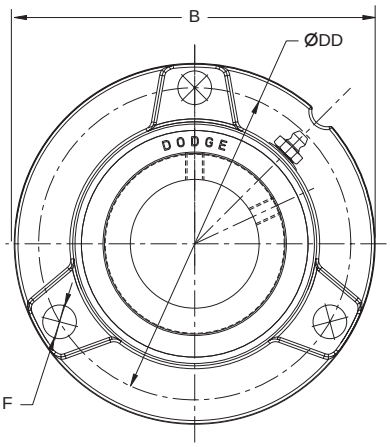
SHAFT SIZE	A	B#	C#	D		E	F BOLT DIA.	G #	H #	J #	L	M	R	S	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
				MIN	MAX														
2-7/16	3.20	10.50	3.49	8.31	8.69	1.87	5/8	0.87	1.63	5.72	4.06	2.750	1.20	2.00	0.25	0.025	2.94	3/8	290
2-11/16 2-15/16 3	3.59	12.00	4.00	9.18	9.82	2.13	5/8	1.00	1.88	6.33	4.61	3.125	1.34	2.25	0.25	0.025	3.47	1/2	620
3-7/16	4.01	13.50	4.49	10.75	11.25	2.37	3/4	1.13	2.25	7.69	5.50	3.750	1.51	2.50	0.25	0.025	4.05	1/2	620
3-15/16	4.47	15.25	4.50	12.25	12.75	2.25	3/4	1.13	2.44	8.70	6.00	4.250	1.34	3.13	0.31	0.025	4.50	5/8	1325
4-7/16	6.53	16.63	4.63	13.25	13.75	2.50	3/4	1.13	2.75	9.67	6.45	4.750	3.08	3.38	0.38	N/A	N/A	5/8	1325
4-15/16	6.91	18.50	5.13	15.25	15.75	2.87	7/8	1.25	3.00	11.16	7.45	5.500	3.29	3.62	0.38	N/A	N/A	5/8	1325

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

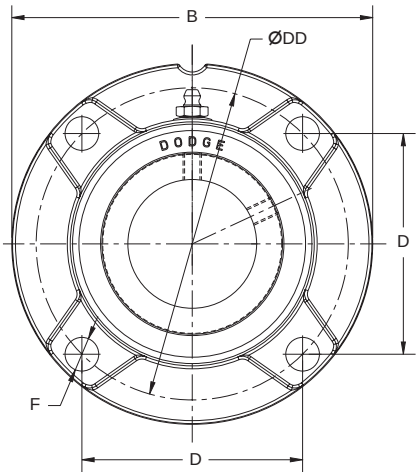
REFERENCE DIMENSION ONLY

DIMENSIONS

S-2000 Flange Bearing - Round

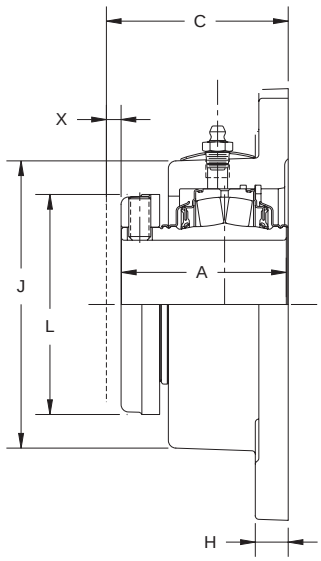


1-3/8" THRU 1-1/2"
CONSTRUCTION

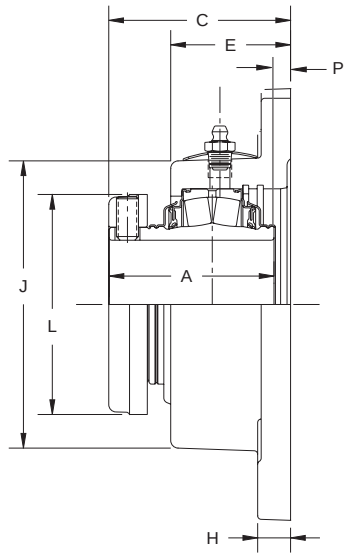


1-11/16" - 3"
CONSTRUCTION

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

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DIMENSIONS

DODGE®

S-2000 Flange Bearing - Round

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 3/8	**070436**	F3R-S2-106R	**070470**	F3R-S2-106RE	**070491**	F3R-S2-106L	**070523**	F3R-S2-106LE
	1 - 7/16	**070437**	F3R-S2-107R	**070471**	F3R-S2-107RE	**070492**	F3R-S2-107L	**070524**	F3R-S2-107LE
	1 - 1/2	**070438**	F3R-S2-108R	**070472**	F3R-S2-108RE	**070493**	F3R-S2-108L	**070525**	F3R-S2-108LE
22209	1 - 11/16	**070440**	F4R-S2-111R	**070474**	F4R-S2-111RE	**070495**	F4R-S2-111L	**070527**	F4R-S2-111LE
	1 - 3/4	**070441**	F4R-S2-112R	**070475**	F4R-S2-112RE	**070496**	F4R-S2-112L	**070528**	F4R-S2-112LE
22210	1 - 15/16	**070442**	F4R-S2-115R	**070476**	F4R-S2-115RE	**070497**	F4R-S2-115L	**070529**	F4R-S2-115LE
	2	**070443**	F4R-S2-200R	**070477**	F4R-S2-200RE	**070498**	F4R-S2-200L	**070530**	F4R-S2-200LE
22211	2 - 3/16	**070444**	F4R-S2-203R	**070478**	F4R-S2-203RE	**070499**	F4R-S2-203L	**070531**	F4R-S2-203LE
22213	2-7/16	**070446**	F4R-S2-207R	**070480**	F4R-S2-207RE	**070501**	F4R-S2-207L	**070533**	F4R-S2-207LE
22215	2-11/16	**070448**	F4R-S2-211R	**070482**	F4R-S2-211RE	**070503**	F4R-S2-211L	**070535**	F4R-S2-211LE
	2-15/16	**070449**	F4R-S2-215R	**070483**	F4R-S2-215RE	**070504**	F4R-S2-215L	**070536**	F4R-S2-215LE
	3	**070450**	F4R-S2-300R	**070484**	F4R-S2-300RE	**070505**	F4R-S2-300L	**070537**	F4R-S2-300LE

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	H	J	L	P	X TOTAL EXP.
1 - 3/8 1 - 7/16 1 - 1/2	2 - 17/32	5 - 7/8	2 - 49/64	3 - 17/32	5	1 - 51/64	1/2*	1/2	3 - 27/32	2 - 3/4	15/64	3/16
1 - 11/16 1 - 3/4	2-43/64	6-3/8	2-31/32	3-57/64	5-1/2	1-57/64	1/2**	1/2	4-11/32	3-3/16	19/64	1/4
1 - 15/16 2	2 - 27/32	6 - 11/16	3 - 9/64	4 - 1/16	5 - 3/4	1 - 59/64	1/2**	9/16	4 - 19/32	3 - 7/16	19/64	1/4
2 - 3/16	2 - 15/16	7 - 3/8	3 - 15/ 64	4 - 1/2	6 - 3/8	2 - 3/64	5/8**	9/16	4 - 63/64	3 - 3/4	19/64	1/4
2-7/16	3-13/64	7-3/4	3-1/2	4-49/64	6-3/4	2-3/8	5/8**	49/64	5-1/2	4-1/16	19/64	1/4
2-11/16 2-15/16 3	3-19/32	9-1/4	3-57/64	5-9/16	7-7/8	2-25/64	3/4**	7/8	6-23/64	4-45/64	19/64	1/4

* 3 Equally spaced bolt holes

** 4 Equally spaced bolt holes

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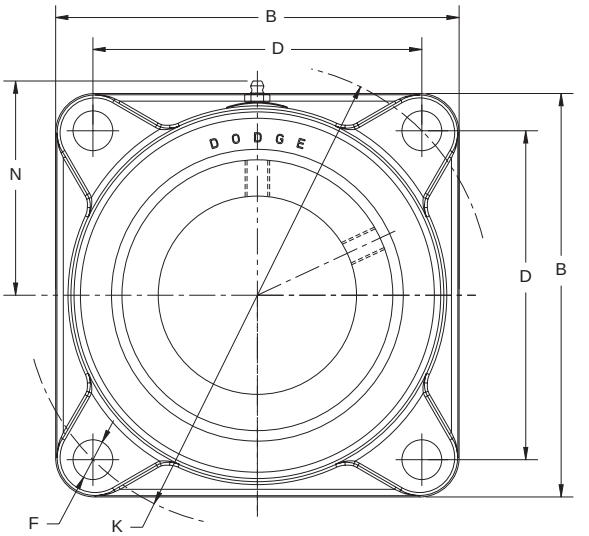
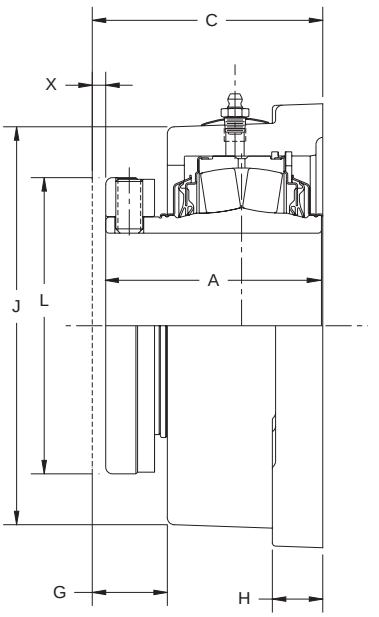
DIMENSIONS

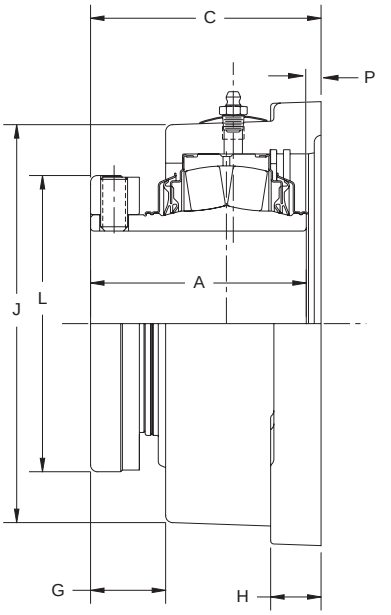
S-2000 Flange Bearing - Square



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

S-2000 Flange Bearing - Square

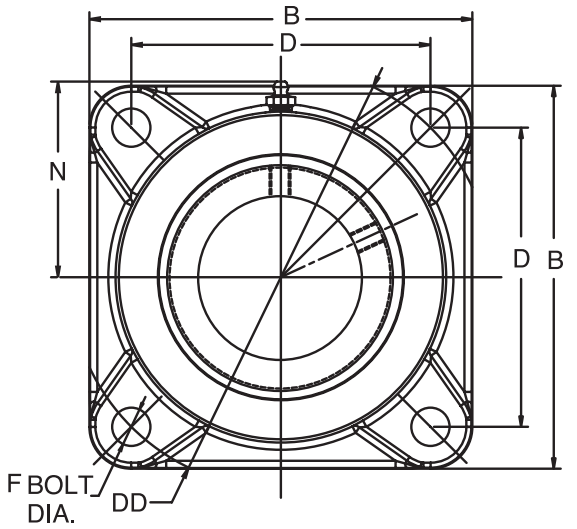
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**070541**	F4S-S2-106R	**070564**	F4S-S2-106RE	**070600**	F4S-S2-106L	**070853**	F4S-S2-106LE
	1-7/16	**070542**	F4S-S2-107R	**070565**	F4S-S2-107RE	**070601**	F4S-S2-107L	**070854**	F4S-S2-107LE
	1-1/2	**070543**	F4S-S2-108R	**070566**	F4S-S2-108RE	**070602**	F4S-S2-108L	**070855**	F4S-S2-108LE
22209	1-11/16	**070545**	F4S-S2-111R	**070568**	F4S-S2-111RE	**070604**	F4S-S2-111L	**070857**	F4S-S2-111LE
	1-3/4	**070546**	F4S-S2-112R	**070569**	F4S-S2-112RE	**070605**	F4S-S2-112L	**070858**	F4S-S2-112LE
22210	1-15/16	**070547**	F4S-S2-115R	**070570**	F4S-S2-115RE	**070606**	F4S-S2-115L	**070859**	F4S-S2-115LE
	2	**070548**	F4S-S2-200R	**070571**	F4S-S2-200RE	**070607**	F4S-S2-200L	**070860**	F4S-S2-200LE
22211	2-3/16	**070549**	F4S-S2-203R	**070572**	F4S-S2-203RE	**070608**	F4S-S2-203L	**070861**	F4S-S2-203LE
22213	2-7/16	**070551**	F4S-S2-207R	**070574**	F4S-S2-207RE	**070610**	F4S-S2-207L	**070863**	F4S-S2-207LE
22215	2-11/16	**070553**	F4S-S2-211R	**070576**	F4S-S2-211RE	**070612**	F4S-S2-211L	**070865**	F4S-S2-211LE
	2-15/16	**070554**	F4S-S2-215R	**070577**	F4S-S2-215RE	**070613**	F4S-S2-215L	**070866**	F4S-S2-215LE
	3	**070555**	F4S-S2-300R	**070578**	F4S-S2-300RE	**070614**	F4S-S2-300L	**070867**	F4S-S2-300LE
22218	3-7/16	**070557**	F4S-S2-307R	**070580**	F4S-S2-307RE	**070616**	F4S-S2-307L	**070869**	F4S-S2-307LE
22220	3-15/16	**070559**	F4S-S2-315R	**070582**	F4S-S2-315RE	**070618**	F4S-S2-315L	**070871**	F4S-S2-315LE

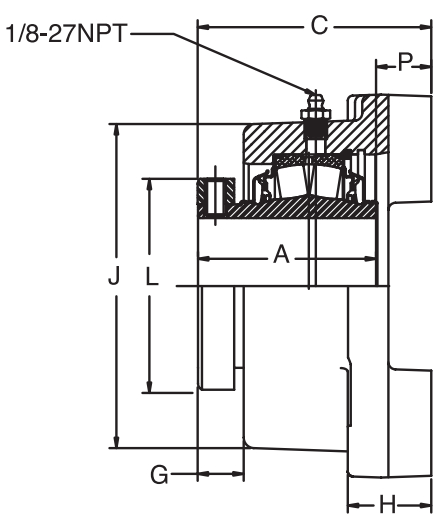
SHAFT SIZE	A	B	C	D	F BOLT DIA	G	H	J	K	L	N	P	X TOTAL EXP.
1-3/8 1-7/16 1-1/2	2-17/32	4-3/4	2-49/64	3-17/32	1/2	63/64	1/2	3-13/16	5	2-3/4	2-31/64	15/64	3/16
1-11/16 1-3/4	2-43/64	5-1/8	2-31/32	3-57/64	1/2	1-5/64	1/2	4-13/32	5-1/2	3-3/16	2-25/32	19/64	1/4
1-15/16 2	2-27/32	5-19/64	3-5/32	4-1/16	1/2	1-15/64	9/16	4-31/32	5-3/4	3-7/16	2-29/32	5/16	1/4
2-3/16	2-15/16	5-7/8	3-1/4	4-33/64	5/8	1-13/64	9/16	5-1/64	6-3/8	3-3/4	3-3/32	5/16	1/4
2-7/16	3-13/64	6-1/8	3-33/64	4-25/32	5/8	1-9/64	41/64	5-5/8	6-3/4	4-1/16	3-13/32	5/16	1/4
2-11/16 2-15/16 3	3-19/32	7-3/16	3-29/32	5-9/16	3/4	1-33/64	3/4	6-1/2	7-7/8	4-45/64	3-27/32	5/16	1/4
3-7/16	4	8-1/4	4-5/16	6-23/32	3/4	1-7/16	15/16	7-31/64	9-1/2	5-1/2	4-21/64	5/16	1/4
3-15/16	4-15/32	9-1/4	4-27/32	7-39/64	7/8	1-35/64	1-1/16	8-7/32	10-3/4	6	4-45/64	3/8	5/16

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

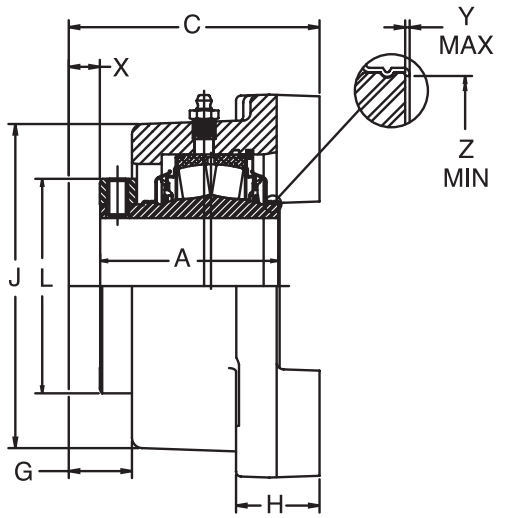
DIMENSIONS

S-2000 Flange Bearing - Square with Type E Dimensions





NON-EXPANSION



EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

DODGE®

S-2000 Flange Bearing - Square with Type E Dimensions

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**071469**	EF4B-S2-106R	**071482**	EF4B-S2-106RE	**071495**	EF4B-S2-106L	**071508**	EF4B-S2-106LE
	1-7/16	**071470**	EF4B-S2-107R	**071483**	EF4B-S2-107RE	**071496**	EF4B-S2-107L	**071509**	EF4B-S2-107LE
22209	1-11/16	**071471**	EF4B-S2-111R	**071484**	EF4B-S2-111RE	**071497**	EF4B-S2-111L	**071510**	EF4B-S2-111LE
22210	1-15/16	**071472**	EF4B-S2-115R	**071485**	EF4B-S2-115RE	**071498**	EF4B-S2-115L	**071511**	EF4B-S2-115LE
	2	**071473**	EF4B-S2-200R	**071486**	EF4B-S2-200RE	**071499**	EF4B-S2-200L	**071512**	EF4B-S2-200LE
22211	2-3/16	**071474**	EF4B-S2-203R	**071487**	EF4B-S2-203RE	**071500**	EF4B-S2-203L	**071513**	EF4B-S2-203LE
22213	2-7/16	**071475**	EF4B-S2-207R	**071488**	EF4B-S2-207RE	**071501**	EF4B-S2-207L	**071514**	EF4B-S2-207LE
	2-11/16	**071476**	EF4B-S2-211R	**071489**	EF4B-S2-211RE	**071502**	EF4B-S2-211L	**071515**	EF4B-S2-211LE
22215	2-15/16	**071477**	EF4B-S2-215R	**071490**	EF4B-S2-215RE	**071503**	EF4B-S2-215L	**071516**	EF4B-S2-215LE
	3	**071478**	EF4B-S2-300R	**071491**	EF4B-S2-300RE	**071504**	EF4B-S2-300L	**071517**	EF4B-S2-300LE
22218	3-7/16	**071479**	EF4B-S2-307R	**071492**	EF4B-S2-307RE	**071505**	EF4B-S2-307L	**071518**	EF4B-S2-307LE
22220	3-15/16	**071480**	EF4B-S2-315R	**071493**	EF4B-S2-315RE	**071506**	EF4B-S2-315L	**071519**	EF4B-S2-315LE
22222	4-7/16	**071481**	EF4B-S2-407R	**071494**	EF4B-S2-407RE	**071507**	EF4B-S2-407L	**071520**	EF4B-S2-407LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B #	C #	D	DD	F BOLT DIA.	G	H #	J #	L	N	P	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
1-3/8 1-7/16	2.53	4.62	3.06	3.50	4.950	1/2	0.57	1.06	3.88	2.55	2.34	0.53	0.16	0.020	1.80	5/16-18	165
1-11/16	2.67	5.37	3.50	4.13	5.834	1/2	0.53	1.19	4.18	3.01	2.51	0.84	0.19	0.020	2.08	5/16-18	165
1-15/16 2	2.84	5.62	3.63	4.37	6.187	1/2	0.65	1.18	4.36	3.44	2.60	0.78	0.22	0.020	2.30	3/8-16	290
2-3/16	2.94	6.25	3.87	4.87	6.894	5/8	0.60	1.38	4.88	3.50	2.88	0.93	0.25	0.025	2.60	3/8-16	290
2-7/16	3.20	6.88	4.19	5.37	7.601	5/8	0.83	1.50	5.81	4.06	3.32	0.98	0.25	0.025	2.95	3/8-16	290
2-11/16 2-15/16 3	3.59	7.76	4.69	6.00	8.485	3/4	0.88	1.61	6.30	4.61	3.58	1.09	0.25	0.025	3.47	1/2-13	620
3-7/16	4.01	9.25	5.25	7.00	9.899	3/4	0.96	1.87	7.44	5.50	4.15	1.24	0.25	0.025	4.05	1/2-13	620
3-15/16	4.48	10.25	6.50	7.75	10.960	7/8	1.00	2.12	8.27	6.00	4.58	2.02	0.31	0.025	4.50	5/8-11	1325
4-7/16	6.53	10.88	7.10	8.75	12.374	7/8	1.39	2.43	9.13	6.45	5.01	0.56	0.38	N/A	N/A	5/8-11	1325

NOTE(S): "P" DIMENSION IS FOR NON-EXPANSION ONLY

"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

- REFERENCE DIMENSIONS ONLY

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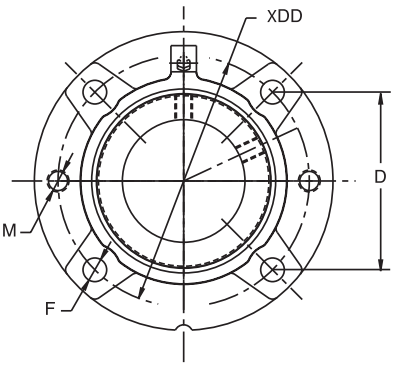
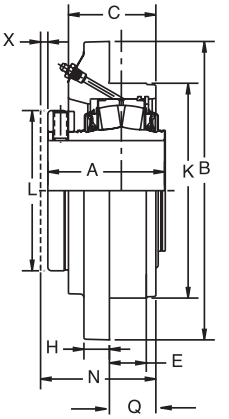
DIMENSIONS

S-2000 Piloted Flange

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

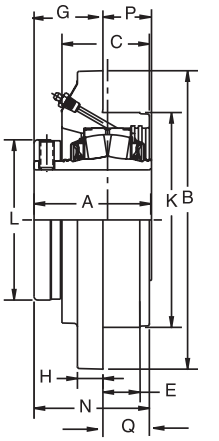


NOTE: 4-7/16 & 4-15/16 sizes have 6 evenly spaced mounting holes



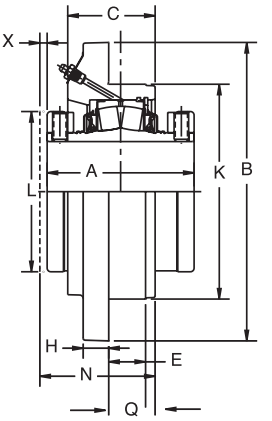
1-3/8 THRU 3-15/16" CONSTRUCTION

EXPANSION



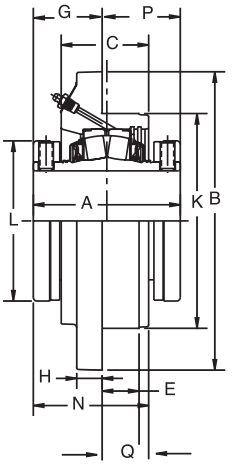
1-3/8 THRU 3-15/16" CONSTRUCTION

NON-EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

EXPANSION



4-7/16 THRU 4-15/16" CONSTRUCTION

NON-EXPANSION

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DODGE®

S-2000 Piloted Flange

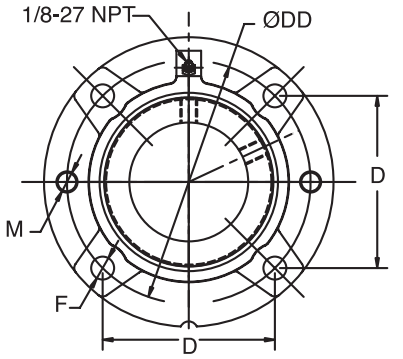
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**070644**	FC-S2-106R	**070671**	FC-S2-106RE	**070698**	FC-S2-106L	**070725**	FC-S2-106LE
	1-7/16	**070645**	FC-S2-107R	**070672**	FC-S2-107RE	**070699**	FC-S2-107L	**070726**	FC-S2-107LE
	1-1/2	**070646**	FC-S2-108R	**070673**	FC-S2-108RE	**070700**	FC-S2-108L	**070727**	FC-S2-108LE
22209	1-11/16	**070648**	FC-S2-111R	**070675**	FC-S2-111RE	**070702**	FC-S2-111L	**070729**	FC-S2-111LE
	1-3/4	**070649**	FC-S2-112R	**070676**	FC-S2-112RE	**070703**	FC-S2-112L	**070730**	FC-S2-112LE
22210	1-15/16	**070650**	FC-S2-115R	**070677**	FC-S2-115RE	**070704**	FC-S2-115L	**070731**	FC-S2-115LE
	2	**070651**	FC-S2-200R	**070678**	FC-S2-200RE	**070705**	FC-S2-200L	**070732**	FC-S2-200LE
22211	2-3/16	**070652**	FC-S2-203R	**070679**	FC-S2-203RE	**070706**	FC-S2-203L	**070733**	FC-S2-203LE
22213	2-7/16	**070654**	FC-S2-207R	**070681**	FC-S2-207RE	**070708**	FC-S2-207L	**070735**	FC-S2-207LE
22215	2-11/16	**070656**	FC-S2-211R	**070683**	FC-S2-211RE	**070710**	FC-S2-211L	**070737**	FC-S2-211LE
	2-15/16	**070657**	FC-S2-215R	**070684**	FC-S2-215RE	**070711**	FC-S2-215L	**070738**	FC-S2-215LE
	3	**070658**	FC-S2-300R	**070685**	FC-S2-300RE	**070712**	FC-S2-300L	**070739**	FC-S2-300LE
22218	3-7/16	**070660**	FC-S2-307R	**070687**	FC-S2-307RE	**070714**	FC-S2-307L	**070741**	FC-S2-307LE
22220	3-15/16	**070662**	FC-S2-315R	**070689**	FC-S2-315RE	**070716**	FC-S2-315L	**070743**	FC-S2-315LE
22222	4-7/16 **	**070664**	FC-S2-407R	**070691**	FC-S2-407RE	**070718**	FC-S2-407L	**070745**	FC-S2-407LE
22226	4-15/16 **	**070666**	FC-S2-415R	**070693**	FC-S2-415RE	**070720**	FC-S2-415L	**070747**	FC-S2-415LE

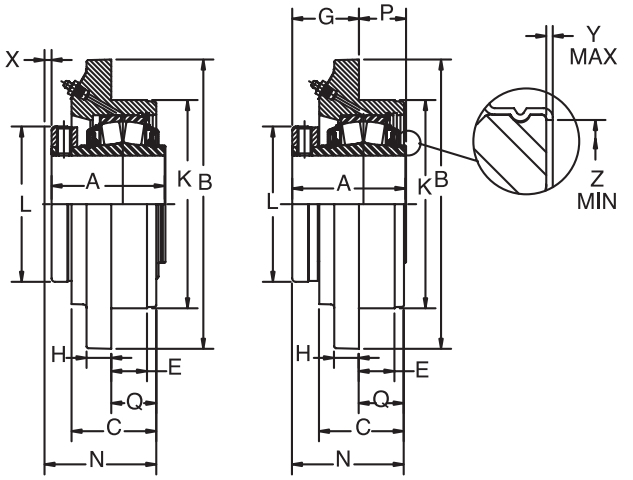
SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	G	H	* K	L	M	N	P	Q	X TOTAL EXP.
1-3/8 1-7/16 1-1/2	2-17/32	5-1/4	1-27/32	3-3/32	4-3/8	3/4	3/8	1-5/16	1/2	3. 625	2-3/4	3/8-16	2-17/32	1-7/32	1-7/32	3/16
1-11/16 1-3/4	2-43/64	6-1/8	1-29/32	3-5/8	5-1/8	7/8	7/16	1-29/64	1/2	4. 250	3-3/16	7/16-14	2-23/32	1-7/32	1-17/64	1/4
1-15/16 2	2-27/32	6-3/8	2	3-51/64	5-3/8	7/8	7/16	1-19/32	9/16	4. 500	3-7/16	7/16-14	2-55/64	1-1/4	1-17/64	1/4
2-3/16	2-15/16	7-1/8	2-3/16	4-1/4	6	1	1/2	1-9/16	9/16	5. 000	3-3/4	1/2-13	2-63/64	1-3/8	1-27/64	1/4
2-7/16	3-13/64	7-5/8	2-1/2	4-19/32	6-1/2	1	1/2	1-41/64	5/8	5. 500	4-1/16	1/2-13	3-13/64	1-9/16	1-9/16	1/4
2-11/16 2-15/16 3	3-19/32	8-3/4	2-5/8	5-19/64	7-1/2	1-1/4	5/8	2-1/32	3/4	6. 375	4-45/64	5/8-11	3-41/64	1-9/16	1-5/8	1/4
3-7/16	4	10-1/4	3	6-3/32	8-5/8	1-17/64	3/4	2-23/64	15/16	7. 375	5-1/2	3/4-10	3-7/8	1-41/64	1-33/64	1/4
3-15/16	4-15/32	10-7/8	3-1/2	6-5/8	9-3/8	1-15/32	3/4	2-21/32	1-1/8	8. 125	6	3/4-10	4-9/16	1-13/16	1-29/32	5/16
4-7/16	6-17/32	13-37/64	4	** 5-7/8	11-3/4	1-29/64	3/4**	3-17/32	1	10. 250	6-29/64	3/4-10	5-1/2	3	1-63/64	3/8
4-15/16	6-29/32	14-27/32	4-3/8	** 6-3/8	12-3/4	1-45/64	7/8**	3-7/16	1-1/4	11. 000	7-29/64	7/8-9	5-55/64	3-15/32	2-27/64	3/8

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

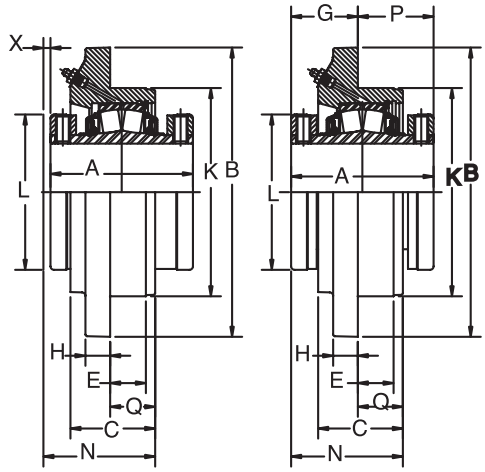
DIMENSIONS

S-2000 Piloted Flange with Type E Dimensions





EXPANSION NON-EXPANSION



4-7/16 THRU 5" CONSTRUCTION EXPANSION

4-7/16 THRU 5" CONSTRUCTION NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

S-2000 Piloted Flange with Type E Dimensions

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**070644**	FC-S2-106R	**070671**	FC-S2-106RE	**070698**	FC-S2-106L	**070725**	FC-S2-106LE
	1-7/16	**070645**	FC-S2-107R	**070672**	FC-S2-107RE	**070699**	FC-S2-107L	**070726**	FC-S2-107LE
22209	1-11/16	**070648**	FC-S2-111R	**070675**	FC-S2-111RE	**070702**	FC-S2-111L	**070729**	FC-S2-111LE
22210	1-15/16	**070650**	FC-S2-115R	**070677**	FC-S2-115RE	**070704**	FC-S2-115L	**070731**	FC-S2-115LE
	2	**070651**	FC-S2-200R	**070678**	FC-S2-200RE	**070705**	FC-S2-200L	**070732**	FC-S2-200LE
22211	2-3/16	**070652**	FC-S2-203R	**070679**	FC-S2-203RE	**070706**	FC-S2-203L	**070733**	FC-S2-203LE
22213	2-7/16	**070654**	FC-S2-207R	**070681**	FC-S2-207RE	**070708**	FC-S2-207L	**070735**	FC-S2-207LE
22215	2-11/16	**070656**	FC-S2-211R	**070683**	FC-S2-211RE	**070710**	FC-S2-211L	**070737**	FC-S2-211LE
	2-15/16	**070657**	FC-S2-215R	**070684**	FC-S2-215RE	**070711**	FC-S2-215L	**070738**	FC-S2-215LE
	3	**070658**	FC-S2-300R	**070685**	FC-S2-300RE	**070712**	FC-S2-300L	**070739**	FC-S2-300LE
22218	3-7/16	**070660**	FC-S2-307R	**070687**	FC-S2-307RE	**070714**	FC-S2-307L	**070741**	FC-S2-307LE
22220	3-15/16	**070662**	FC-S2-315R	**070689**	FC-S2-315RE	**070716**	FC-S2-315L	**070743**	FC-S2-315LE
22222	4-7/16	**071521**	EFC-S2-407R	**071523**	EFC-S2-407RE	**071525**	EFC-S2-407L	**071527**	EFC-S2-407LE
22226	4-15/16	**071522**	EFC-S2-415R	**071524**	EFC-S2-415RE	**071526**	EFC-S2-415L	**071528**	EFC-S2-415LE

SHAFT SIZE	A	B #	C #	D	DD	E #	F BOLT DIA.	G	H #	K ##	L	M	N	P	Q #	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
1-3/8 1-7/16	2.53	5.25	1.84	3.09	4.375	0.75	3/8	1.31	0.50	3.625	2.55	3/8-16	2.53	1.22	1.22	0.19	0.020	1.80	5/16	165
1-11/16	2.67	6.13	1.91	3.63	5.125	0.88	7/16	1.45	0.50	4.250	3.01	7/16-14	2.72	1.22	1.26	0.25	0.020	2.08	5/16	165
1-15/16 2	2.84	6.38	2.00	3.80	5.375	0.88	7/16	1.59	0.56	4.500	3.44	7/16-14	2.86	1.25	1.26	0.25	0.020	2.30	3/8	290
2-3/16	2.94	7.13	2.19	4.25	6.000	1.00	1/2	1.56	0.56	5.000	3.50	1/2-13	2.98	1.38	1.42	0.25	0.025	2.59	3/8	290
2-7/16	3.20	7.63	2.50	4.59	6.500	1.00	1/2	1.64	0.63	5.500	4.06	1/2-13	3.20	1.56	1.56	0.25	0.025	2.94	3/8	290
2-11/16 2-15/16 3	3.59	8.75	2.63	5.30	7.500	1.25	5/8	2.03	0.75	6.375	4.61	5/8-11	3.64	1.56	1.63	0.25	0.025	3.47	1/2	620
3-7/16	4.01	10.25	3.00	6.09	8.625	1.26	3/4	2.36	0.94	7.375	5.50	3/4-10	3.88	1.65	1.52	0.25	0.025	4.05	1/2	620
3-15/16	4.47	10.88	3.50	6.63	9.375	1.47	3/4	2.66	1.13	8.125	6.00	3/4-10	4.56	1.81	1.91	0.31	0.025	4.50	5/8	1325
4-7/16	6.53	13.50	4.58	5.88	11.750	1.45	3/4 **	3.00	0.94	10.250	6.45	3/4-10	5.63	3.53	2.63	0.38	N/A	N/A	5/8	1325
4-15/16	6.91	14.75	4.88	6.38	12.750	1.70	7/8 **	2.97	1.25	11.000	7.45	7/8-9	5.95	3.94	3.01	0.38	N/A	N/A	5/8	1325

- +0.000 -0.002

- REFERENCE DIMENSION ONLY

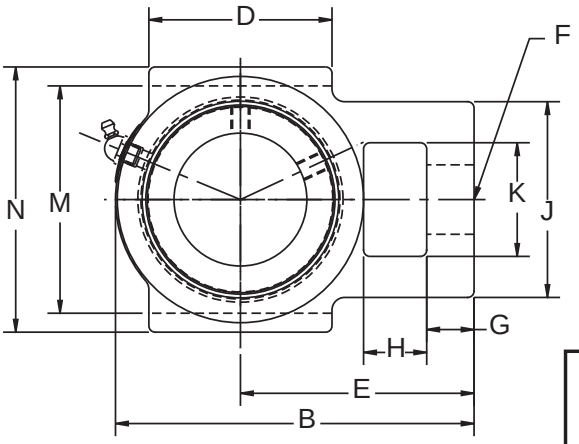
NOTE(S): "P" AND "G" DIMENSIONS ARE FOR NON-EXPANSION ONLY

"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

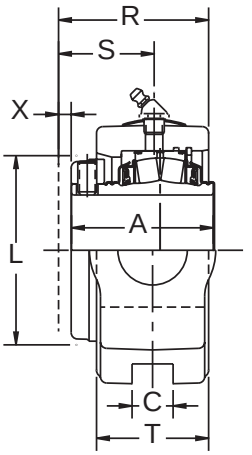
FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

DIMENSIONS

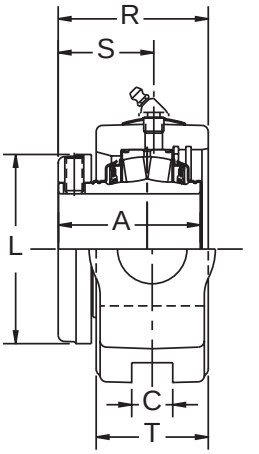
S-2000 Wide Slot Take-Up
1-3/8 THRU 2-3/16 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

S-2000 Wide Slot Take-Up
1-3/8 THRU 2-3/16 INCH

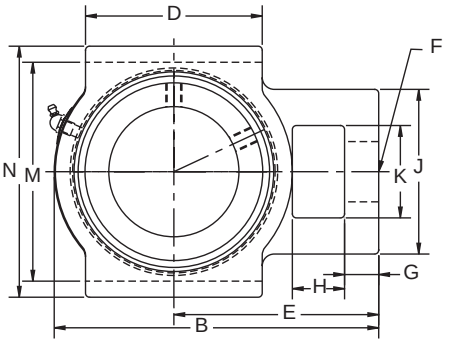
Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part No.	Part Name	Part No.	Part Name
22208	1-3/8	CP-308	**070752**	WSTU-S2-106R	**070779**	WSTU-S2-106RE
	1-7/16		**070753**	WSTU-S2-107R	**070780**	WSTU-S2-107RE
	1-1/2		**070754**	WSTU-S2-108R	**070781**	WSTU-S2-108RE
22209	1-11/16	CP-400	**070756**	WSTU-S2-111R	**070783**	WSTU-S2-111RE
	1-3/4		**070757**	WSTU-S2-112R	**070784**	WSTU-S2-112RE
22210	1-15/16	CP-400	**070758**	WSTU-S2-115R	**070785**	WSTU-S2-115RE
	2		**070759**	WSTU-S2-200R	**070786**	WSTU-S2-200RE
22211	2-3/16	CP-408	**070760**	WSTU-S2-203R	**070787**	WSTU-S2-203RE

SHAFT SIZE	A	B	C	D	E	F	G	H	J
1-3/8 1-7/16 1-1/2	2-17/32	5-1/16	17/32	2-3/4	3-3/16	7/8	11/16	5/8	2-7/16
1-11/16 1-3/4	2-43/64	5-15/16	11/16	3-1/8	3-13/16	1-1/8	15/16	3/4	3-5/16
1-15/16 2	2-27/32	6-3/16	11/16	3-5/8	3-15/16	1-1/8	15/16	3/4	3-5/16
2-3/16	2-15/16	7-1/16	13/16	3-5/8	4-5/8	1-3/8	15/16	1-1/4	3-7/8

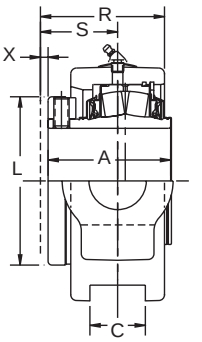
SHAFT SIZE	K	L	M	N	R	S	T	X TOTAL EXP
1-3/8 1-7/16 1-1/2	1-7/16	2-3/4	3-1/2	4-1/8	2-47/64	1-45/64	2-1/16	3/16
1-11/16 1-3/4	1-15/16	3-3/16	4	4-3/4	2-53/64	1-13/16	2-1/32	1/4
1-15/16 2	1-15/16	3-7/16	4	4-3/4	2-15/16	1-15/16	2	1/4
2-3/16	2-1/4	3-3/4	4-1/2	5-1/4	3-3/32	1-63/64	2-7/32	1/4

DIMENSIONS

S-2000 Wide Slot Take-Up
2-7/16 THRU 4-15/16 INCH

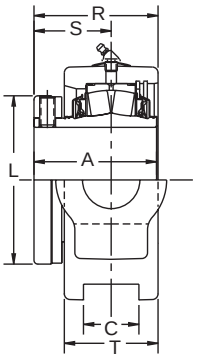


NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



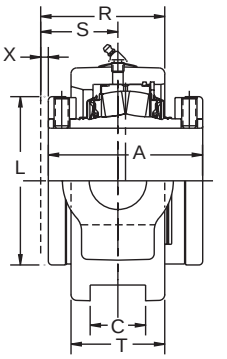
1-3/8" THRU 3-15/16" CONSTRUCTION

EXPANSION



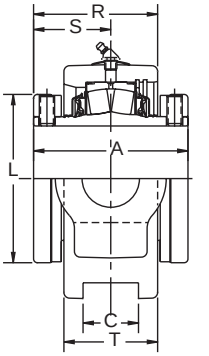
1-3/8" THRU 3-15/16" CONSTRUCTION

NON-EXPANSION



4-7/16" THRU 4-15/16" CONSTRUCTION

EXPANSION



4-7/16" THRU 4-15/16" CONSTRUCTION

NON-EXPANSION

DODGE®

S-2000 Wide Slot Take-Up
2-7/16 THRU 4-15/16 INCH

Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part Number	Part Name	Part Number	Part Name
22213	2-7/16	**CP-502**	**070762**	WSTU-S2-207R	**070789**	WSTU-S2-207RE
22215	2-11/16	**CP-515**	**070764**	WSTU-S2-211R	**070791**	WSTU-S2-211RE
	2-15/16		**070765**	WSTU-S2-215R	**070792**	WSTU-S2-215RE
	3		**070766**	WSTU-S2-300R	**070793**	WSTU-S2-300RE
22218	3-7/16	**CP-613**	**070768**	WSTU-S2-307R	**070795**	WSTU-S2-307RE
22220	3-15/16	**CP-810**	**070770**	WSTU-S2-315R	**070797**	WSTU-S2-315RE
22222	4-7/16	**CP-908**	**070772**	WSTU-S2-407R	**070799**	WSTU-S2-407RE
22226	4-15/16	**CP-1004**	**070774**	WSTU-S2-415R	**070801**	WSTU-S2-415RE

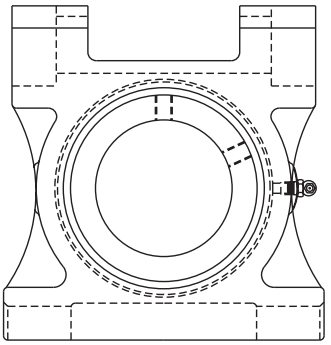
SHAFT SIZE	A	B	C	D	E	F	G	H	J
2-7/16	3-13/64	7-11/16	1-1/16	4-3/8	5	1-3/8	1-1/16	1-1/4	4-1/4
2-11/16 2-15/16 3	3-19/32	8-7/8	1-13/16	4-1/2	5-3/4	1-5/8	1-1/8	1-1/2	4-7/8
3-7/16	4	10-1/16	1-13/16	5-1/2	6-3/8	1-7/8	1-1/16	1-5/8	5-1/8
3-15/16	4-15/32	12-9/16	2-1/16	7	8-3/8	2-1/8	2-1/16	2-1/8	6
4-7/16	6-17/32	13-3/8	2-1/16	7	8-3/4	2-1/8	2	2-1/8	6-3/8
4-15/16	6-29/32	15-5/8	2-1/16	9	10-5/16	2-3/8	2-1/2	2-1/2	7

SHAFT SIZE	K	L	M	N	R	S	T	X Total Exp
2-7/16	2-1/2	4-1/16	5-1/8	5-7/8	3-13/64	2	2-7/16	1/4
2-11/16 2-15/16 3	2-3/4	4-45/64	5-15/16	6-11/16	3-3/4	2-13/32	2-11/16	1/4
3-7/16	2-7/8	5-1/2	6-13/16	7-13/16	4-3/64	2-33/64	3-1/16	1/4
3-15/16	3-3/8	6	8-5/8	9-7/16	4-37/64	2-55/64	3-7/16	5/16
4-7/16	3-3/8	6-29/64	9-1/2	10-3/8	5-11/32	3-15/32	3-3/4	3/8
4-15/16	3-3/4	7-29/64	10-1/4	11-1/4	5-47/64	3-41/64	4-3/16	3/8

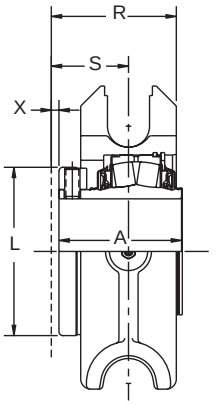
See Page B15-20 for CP Take-Up Frame

DIMENSIONS

TP Take-Up

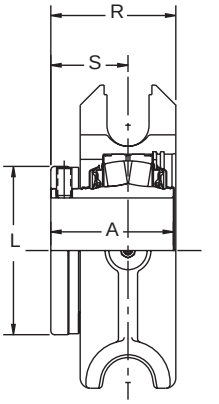


NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



1-15/16" THRU 3-15/16" CONSTRUCTION

EXPANSION



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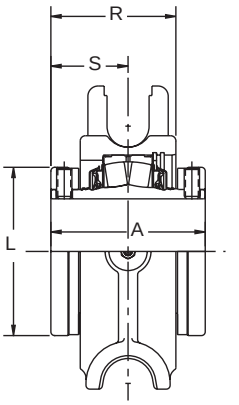
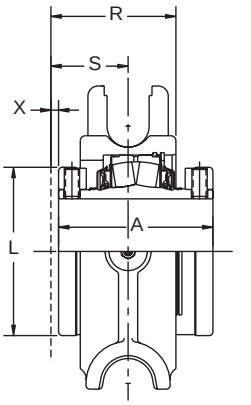
NON-EXPANSION



4-7/16" THRU 4-15/16" CONSTRUCTION

NON-EXPANSION



4-7/16" THRU 4-15/16" CONSTRUCTION

EXPANSION

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DODGE®

TP Take-Up

Bearing Inch	Shaft Size	TAKE-UP FRAME		TRIDENT Seal			
				Non-Expansion		Expansion	
				Part Number	Part Name	Part Number	Part Name
22210	1-15/16	**TP10**	**TPHU110**	**070811**	TPHU-S2-115R	**070829**	TPHU-S2-115RE
	2			**070812**	TPHU-S2-200R	**070830**	TPHU-S2-200RE
22211	2-3/16	**TP30**	**TPHU120**	**070813**	TPHU-S2-203R	**070831**	TPHU-S2-203RE
22213	2-7/16	**TP40**	**TPHU130**	**070815**	TPHU-S2-207R	**070833**	TPHU-S2-207RE
22215	2-11/16	**TP40**	**TPHU140**	**070817**	TPHU-S2-211R	**070835**	TPHU-S2-211RE
	2-15/16			**070818**	TPHU-S2-215R	**070836**	TPHU-S2-215RE
	3			**070819**	TPHU-S2-300R	**070837**	TPHU-S2-300RE
22218	3-7/16	**TP50**	**TPHU150**	**070821**	TPHU-S2-307R	**070839**	TPHU-S2-307RE
22220	3-15/16	**TP60**	**TPHU160**	**070823**	TPHU-S2-315R	**070841**	TPHU-S2-315RE
22222	4-7/16	**N/A**	**TPHU170**	**070825**	TPHU-S2-407R	**070843**	TPHU-S2-407RE
22226	4-15/16	**N/A**	**TPHU180**	**070827**	TPHU-S2-415R	**070845**	TPHU-S2-415RE

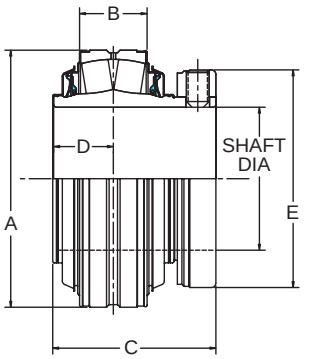
SHAFT SIZE	A	L	R	S	X
1-15/16 2	2-27/32	3-7/16	3-3/16	2	1/4
2-3/16	2-15/16	3-3/4	3-25/64	2-1/64	1/4
2-7/16	3-13/64	4-1/16	3-17/32	2-5/32	1/4
2-11/16 2-15/16 3	3-19/32	4-45/64	3-53/64	2-29/64	1/4
3-7/16	4	5-1/2	4-7/32	2-21/32	1/4
3-15/16	4-15/32	6	4-33/64	2-61/64	5/16
4-7/16	6-17/32	6-29/64	5-29/64	3-29/64	3/8
4-15/16	6-29/32	7-29/64	5-7/8	3-21/32	3/8

See page B15-14 thru B15-19 for TP and TPHU Frames

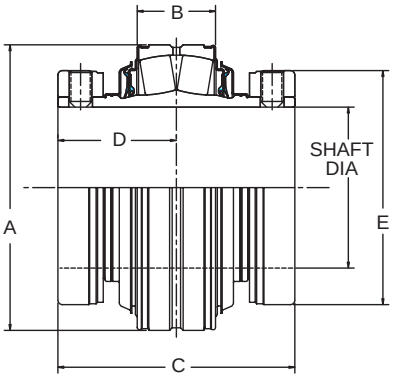
DIMENSIONS

S-2000 Bearing Insert

TRIDENT SEAL

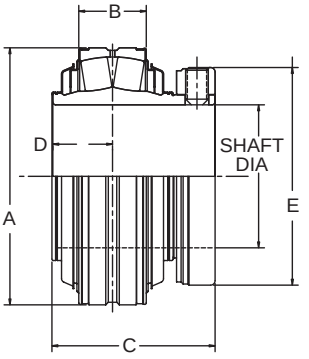


1-3/8 THRU 3-15/16" CONSTRUCTION

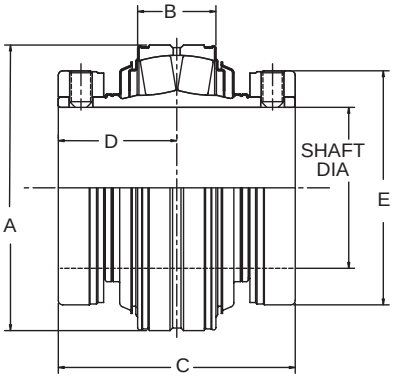


4-7/16 THRU 4-15/16" CONSTRUCTION

LABYRINTH SEAL



1-3/8 THRU 3-15/16" CONSTRUCTION



4-7/16 THRU 4-15/16" CONSTRUCTION

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S-2000 Bearing Insert

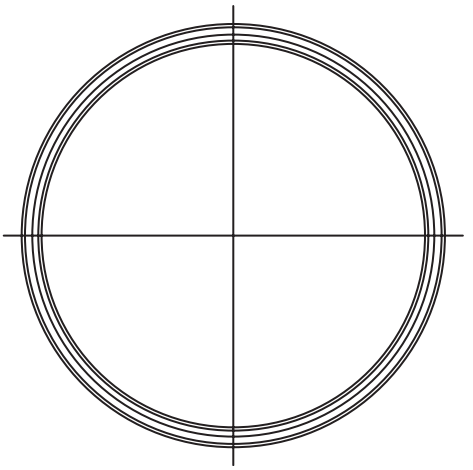
Bearing	SHAFT SIZE	TRIDENT SEAL		LABYRINTH SEAL	
		PART NUMBER	PART NAME	PART NUMBER	PART NAME
22208	1-3/8	**070000**	INS-S2-106R	**070016**	INS-S2-106L
	1-7/16	**070001**	INS-S2-107R	**070017**	INS-S2-107L
	1-1/2	**070002**	INS-S2-108R	**070018**	INS-S2-108L
22209	1-11/16	**070003**	INS-S2-111R	**070019**	INS-S2-111L
	1-3/4	**070004**	INS-S2-112R	**070020**	INS-S2-112L
22210	1-15/16	**070005**	INS-S2-115R	**070021**	INS-S2-115L
	2	**070006**	INS-S2-200R	**070022**	INS-S2-200L
22211	2-3/16	**070007**	INS-S2-203R	**070023**	INS-S2-203L
22213	2-7/16	**070008**	INS-S2-207R	**070024**	INS-S2-207L
22215	2-11/16	**070009**	INS-S2-211R	**070025**	INS-S2-211L
	2-15/16	**070010**	INS-S2-215R	**070026**	INS-S2-215L
	3	**070011**	INS-S2-300R	**070027**	INS-S2-300L
22218	3-7/16	**070012**	INS-S2-307R	**070028**	INS-S2-307L
22220	3-15/16	**070013**	INS-S2-315R	**070029**	INS-S2-315L
22222	4-7/16	**070014**	INS-S2-407R	**070030**	INS-S2-407L
22226	4-15/16	**070015**	INS-S2-415R	**070031**	INS-S2-415L

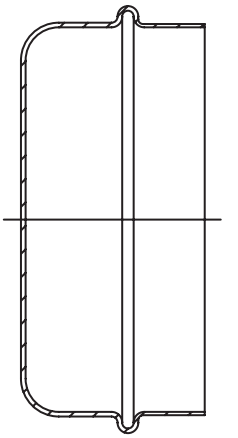
SHAFT SIZE	A	B	C	D	E
1-3/8 1-7/16 1-1/2	3.150	61/64	2-17/32	0.970	2-21/32
1-11/16 1-3/4	3.346	61/64	2-21/32	0.954	3-3/32
1-15/16 2	3.543	61/64	2-27/32	0.977	3-11/32
2-3/16	3.937	1-3/64	2-15/16	1.050	3-21/32
2-7/16	4.724	1-9/32	3-13/64	1.208	3-31/32
2-11/16 2-15/16 3	5.118	1-9/32	3-19/32	1.219	4-5/8
3-7/16	6.299	1-5/8	4	1.483	5-1/2
3-15/16	7.087	1-7/8	4-31/64	1.646	6
4-7/16	7.874	2-5/32	6-17/32	3.266	6-29/64
4-15/16	9.055	2-19/32	6-29/32	3.453	7-29/64

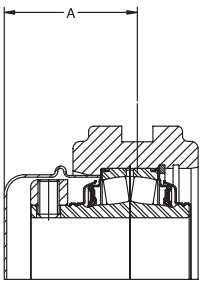
FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46

DIMENSIONS

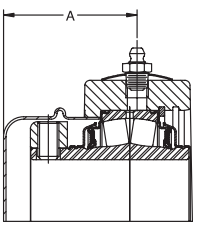
S-2000 Bearing End Cover



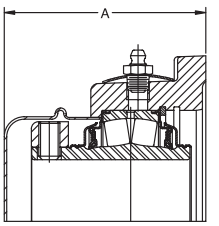




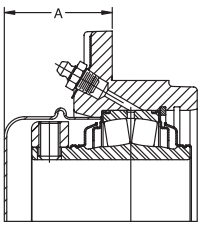
WS TAKE-UP



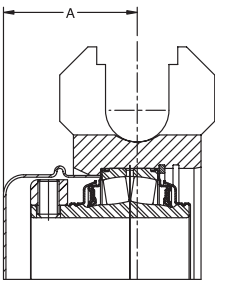
PILLOW BLOCK



FLANGE



PILOTED FLANGE



TPHU TAKE-UP

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S-2000 Bearing End Cover

Shaft Size	Housing Design			
	S2000		* E-S2000	
	Part #	Description	Part #	Description
1-3/8 to 1-1/2	**069970**	S2EC08	**069960**	IPEC08
1-11/16 to 1-3/4	**069971**	S2EC09	**069961**	IPEC09
1-15/16 to 2	**069972**	S2EC10	**069972**	IPEC10
2-3/16	**069973**	S2EC11	**069963**	IPEC11
2-7/16	**069964**	S2EC13	**069964**	IPEC13
2 11/16 to 3	**069975**	S2EC15	**069965**	IPEC15
3-7/16	**069966**	S2EC18	**069966**	S2IPEC18
3-15/16	**069967**	S2IPEC20	**069967**	S2IPEC20
4-7/16	**069968**	S2IPEC22	**069968**	S2IPEC22
4-15/16	**069969**	S2IPEC26	**069969**	S2IPEC26

* End Covers for S2000 with Type E dimensioned housing

"A" DIMENSION

SHAFT SIZE (IN)	S-2000 Pillow Block	*E-S2000 Pillow Block	S-2000 Piloted Flange	*E-S2000 Piloted Flange	S-2000 Flange	*E-S2000 Flange	Wide Slot Take-up	Top Angle Take-up
1-3/8 thru 1-1/2	1.97	1.83	1.61	1.61	3.06	3.39	2.00	N/A
1-11/16 thru 1-3/4	2.16	2.20	1.77	1.77	3.27	4.01	2.13	N/A
1-15/16 thru 2	2.25	2.00	1.86	1.86	3.41	3.89	2.19	2.25
2 -3/16	2.41	2.47	1.94	1.94	3.63	4.47	2.36	2.41
2 -7/16	2.44	2.44	2.09	2.09	3.95	4.63	2.44	2.61
2 -11/16 thru 3	2.56	2.54	2.20	2.20	4.09	4.97	2.61	2.64
3 -7/16	2.94	2.91	2.78	2.78	4.73	5.65	2.94	2.94
3-15/16	3.36	3.67	3.19	3.19	5.38	7.04	3.39	3.48
4 -7/16	3.83	3.78	3.89	3.72	N/A	7.49	3.84	3.83
4-15/16	4.36	4.33	4.11	3.95	N/A	N/A	4.36	4.36

* S-2000 With Type E dimensioned Housing

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NOTES

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- Flange Bearing - Inch B9- 18
- Bearing Insert With Seal - Inch B9- 20
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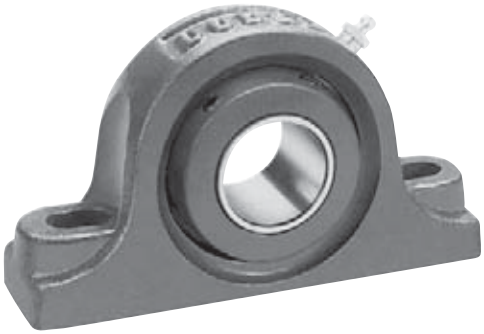
NOTES

UNISPHERE II



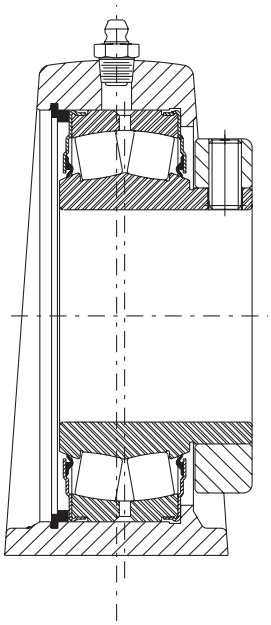
Dimensionally interchangeable with ball bearings:

- Length through the bore
- Base-to-center height
- Footprint

Approximately five times the rating of a ball bearing

UNISPHERE II

- High capacity double row spherical
- 2-bolt pillow blocks and 4-bolt flange bearings 17/16” to 4”, 40 mm to 90 mm.
- Same rolling elements and installation ready features as the S-2000 bearing.
- Ductile iron pillow block housing with 65,000 PSI tensile strength is 92% the strength of steel.
- DODGE “R” Seal provides contacting lip protection, crimped to the outer race; maintains sealing effectiveness at maximum misalignment.
- Springlok™ collar mount with 65 set-screw spacing for optimum clamping force.



SPECIFICATION

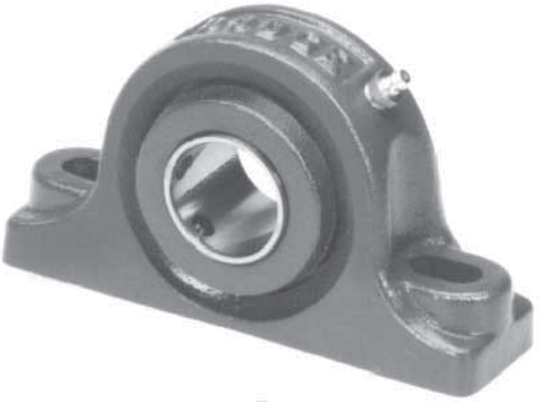
DODGE®

UNISPHERE II
INCH

DODGE Unitized UNISPHERE II are general purpose, high-capacity, double-row spherical roller bearings. All are mounted in single piece precision machined housings. Bearings are mounted to shafts by means of set screw collars, with 65 degree set screw spacing for maximum clamping force.

ASTM A48 Class 30 cast iron is the standard material used in S-2000 housings and UNISPHERE II flanged housings. The standard material used in UNISPHERE II pillow blocks is ductile iron (ASTM A536 Grade 65-45-12) with 65,000 p.s.i. tensile strength. Housing designs are available for survival in extreme harsh environments, through the use of special finishes and stainless hardware.

Housings are available in a variety of standard configurations, including pillow blocks and flanges. Rubbing lip seals are standard on all units.



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NOMENCLATURE

UNISPHERE II
INCH

P2B - UN2 - 207 - R

HOUSING STYLE	BEARING TYPE	SIZE	SEAL
P2B = Pillow Block 2 Bolt Base, Ductile Iron	UN2 = UNISPHERE II	Inches and 16th 2 = 2" and 07 = 7/16" or 207 = 2-7/16"	R = Single Lip Rubbing Seal
F4B = Flange Bearing 4 Bolt, Cast Iron			E = Expansion Type Bearing - If "E" Does Not Appear, Bearing Is Non-Expansion Type
			M = Metric Bore

UNISPHERE II
SPHERICAL ROLLER BEARINGS

DODGE Unitized Spherical Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE spherical roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-281-2195) for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10}\ \text{Life, Hours} = \left(\frac{C}{P}\right)^{10/3} X \left(\frac{16667}{RPM}\right)$$

Where: C = Dynamic Capacity (Table 1 on page B9- 9) lbs.

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. Spherical bearings require a radial load at least equal to the thrust load for proper operation. If the thrust load exceeds this limit, consult Application Engineering. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening of the set screws, shaft tolerance and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM	20-200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. The radial load is limited by the attachment to the shaft (see Table 1 on page B9- 9). Where the applied radial load (FR) exceeds this limit (maximum allowable slip fit radial load), a snug-to-light press fit of the shaft is required. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Table 7 on page B9-14 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial loads for flange units.

SHAFT TOLERANCES	
SHAFT SIZE	S-2000
UP TO 1-1/2”	+.0000 -.0005”
1-9/16 TO 4”	+.000 -.001”
4-7/16 TO 5”	+.000 -.0015”

UNISPHERE II
BEARING SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R (F_R = P for Pure Radial Load Conditions). The DODGE program BEST™ ★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 1 on page B9- 9 , find, under the RPM column, the equivalent radial load that equals or is slightly higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application.

If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 4000 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4011 lbs. exceeds the 4000 lbs. radial load for shaft size 2-7/16". A bearing with bore 2-7/16", or larger, may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity **C** is identified in terms of L_{10}, RPM and P

$$C = \left(\frac{L_{10} \times RPM}{16667} \right)^{0.3} \times P$$

($P = F_R$ for Pure Radial Load Conditions)

Since the L_{10}, RPM and P are known, solve for C. Select from the dynamic capacity column on Table 1 on page B9- 9 the **C** value equal to or greater than the **C** value just calculated. The bore size on the far left represents the proper bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1 on page B9- 9 . Also check that the radial load does not exceed the Maximum Allowable Slip Fit Radial Load shown on Table 1. If it does, a line-to-line to light press fit of shaft is required. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load $P = XF_R + YF_A$
Where:

P = Equivalent radial load, lbs.
F_R = Radial load, lbs. (see Table 1 for allowable slip fit maximum load)
F_A = Thrust (axial) load, lbs.
e = Thrust load to radial load factor (Table 1)★
X = Radial load factor (Table 1)★
Y = Thrust load factor (Table 1)★

★ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive web based program is available at www.dodgept.com. Use PT Wizard on line under the tools drop down box.

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To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1 on page B9- 9 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 2 on page B9- 10.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. However, they will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-281-2195).

SELECTING LUBRICATION

DODGE UNISPHERE II spherical roller bearings are lubricated at the factory with Mobilith AW2 grease. Mobilith AW2 grease is a superior industrial grease using a lithium complex thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 6 on page B9- 13. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864-284-5700). DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Unitized roller bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

MISALIGNMENT CONSIDERATIONS

In nearly all applications, good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE Unitized Spherical Roller Bearings. UNISPHERE II bearings are designed to allow a maximum of ±1° of static and dynamic misalignment. However, for optimum seal performance, misalignment should be kept under ±0.5°. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

UNISPHERE II

Table 1: UNISPHERE II Spherical Roller Bearings Radial And Thrust Factors

SHAFT SIZE INCH	BASIC BEARING DESCRIPTION	e	FA/FR ≤ e		FA/FR ≥ e		MAX. ALLOW. SLIP FIT RADIAL LOAD FR* LBS.	DYNAMIC CAPACITY (C) LBS.	STATIC CAPACITY Co	MAXIMUM RPM
			X	Y	X	Y				
1-1/8 1-3/16 1-1/4 1-3/8 1-7/16 1-1/2	22208	.28	1	2.4	.67	3.6	3,750	20,800	21,000	3,000
1-5/8 1-11/16 1-3/4	22209	.26	1	2.6	.67	3.9	3,750	20,800	22,000	2,800
1-7/8 1-15/16 2	22210	.24	1	2.8	.67	4.2	4,000	22,000	24,000	2,625
2-3/16 2-1/4	22211	.23	1	2.9	.67	4.3	4,860	27,000	29,000	2,325
2-3/8 2-7/16 2-1/2	22213	.24	1	2.8	.67	4.2	6,840	39,000	47,500	1,900
2-11/16 2-3/4 2-15/16 3	22215	.22	1	3.1	.67	4.6	7,500	41,500	53,000	1,700
3-3/16 3-1/4 3-7/16 3-1/2	22218	.23	1	2.9	.67	4.3	11,500	65,500	81,500	1,400
3-11/16 3-15/16 4	22220	.24	1	2.8	.67	4.2	14,400	83,000	104,000	1,250

* If load exceeds “Max. allowable slip fit load,” line to line to light press fit of shaft required. Maximum slip fit radial loads apply if recommended shaft sizes are used.

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Table 2: UNISPHERE II Metric Spherical Roller Bearing

SHAFT MM	BASIC BEARING DESCRIPTION	e	FA/FR ≤ e		FA/FR ≥ e		MAX. ALLOW. SLIP FIT RADIAL LOAD FR* kN	DYNAMIC CAPACITY (C) kN	MAXIMUM RPM
			X	Y	X	Y			
30 35	22208	0.28	1	2.4	0.67	3.6	17	93	3000
40 45	22209	0.26	1	2.6	0.67	3.9	17	93	2800
50	22210	0.24	1	2.8	0.67	4.2	18	98	2625
55	22211	0.23	1	2.9	0.67	4.3	22	120	2325
60 65	22213	0.24	1	2.8	0.67	4.2	30	169	1900
70 75	22215	0.22	1	3.1	0.67	4.6	33	185	1700
80 85 90	22218	0.23	1	2.9	0.67	4.3	51	285	1400

* If load exceeds “Max. allowable slip fit load,” line to line to light press fit of shaft required. Maximum slop fit radial loads apply if recommended shaft sizes are used.

UNISPHERE II

Table 3: Easy Selection Table for UNISPHERE Double Row Spherical Roller Bearings

Shaft Size Inches	L10 Life Hours	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute														
		50	100	150	250	500	870	1,020	1,250	1,400	1,700	1,900	2,325	2,625	2,800	3000
1-3/8 to 1-1/2	10,000	7,498	6,090	5,393	4,626	3,758	3,182	3,034	2,855	2,759	2,603	2,518	2,370	2,285	2,241	2,195
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,053	1,984	1,872	1,811	1,704	1,643	1,612	1,579
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,883	1,820	1,717	1,661	1,563	1,508	1,479	1,448
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,668	1,612	1,521	1,471	1,384	1,335	1,309	1,282
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,431	1,383	1,305	1,262	1,188	1,145	1,123	1,100
1-11/16 to 1-3/4	10,000	7,498	6,090	5,393	4,626	3,758	3,182	3,034	2,855	2,759	2,603	2,518	2,370	2,285	2,241	2,195
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,053	1,984	1,872	1,811	1,704	1,643	1,612	1,579
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,883	1,820	1,717	1,661	1,563	1,508	1,479	1,448
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,668	1,612	1,521	1,471	1,384	1,335	1,309	1,282
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,431	1,383	1,305	1,262	1,188	1,145	1,123	1,100
1-15/16 to 2	10,000	7930	6441	5704	4893	3975	3366	3209	3019	2918	2753	2663	2506	2417		
	30,000	5704	4633	4102	3519	2859	2421	2308	2172	2099	1980	1915	1803	1738		
	40,000	5232	4250	3763	3228	2622	2221	2117	1992	1925	1817	1757	1654	1595		
	60,000	4633	3763	3332	2859	2322	1966	1875	1764	1705	1608	1556	1464	1412		
	100,000	3975	3228	2859	2452	1992	1687	1608	1513	1463	1380	1335	1256	1211		
2-3/16	10,000	9,733	7,905	7,000	6,005	4,878	4,131	3,939	3,706	3,582	3,379	3,268	3,076			
	30,000	7,000	5,686	5,035	4,319	3,508	2,971	2,833	2,665	2,576	2,430	2,350	2,212			
	40,000	6,421	5,216	4,618	3,962	3,218	2,726	2,599	2,445	2,363	2,229	2,156	2,029			
	60,000	5,686	4,618	4,089	3,508	2,850	2,413	2,301	2,165	2,092	1,974	1,909	1,797			
	100,000	4,878	3,962	3,508	3,010	2,445	2,070	1,974	1,857	1,795	1,694	1,638	1,542			
2-7/16 2-1/2	10,000	14,058	11,419	10,111	8,674	7,046	5,967	5,689	5,352	5,173	4,881	4,721				
	30,000	10,111	8,213	7,272	6,239	5,068	4,292	4,092	3,850	3,721	3,510	3,395				
	40,000	9,275	7,534	6,671	5,723	4,649	3,937	3,753	3,531	3,413	3,220	3,114				
	60,000	8,213	6,671	5,907	5,068	4,116	3,486	3,324	3,127	3,022	2,851	2,758				
	100,000	7,046	5,723	5,068	4,348	3,531	2,991	2,851	2,683	2,593	2,446	2,366				
2-11/16 to 3	10,000	14,959	12,151	10,759	9,230	7,497	6,350	6,054	5,696	5,505	5,194					
	30,000	10,759	8,739	7,738	6,639	5,392	4,567	4,354	4,096	3,959	3,735					
	40,000	9,870	8,017	7,098	6,090	4,946	4,189	3,994	3,758	3,632	3,427					
	60,000	8,739	7,098	6,285	5,392	4,380	3,709	3,537	3,327	3,216	3,034					
	100,000	7,497	6,090	5,392	4,626	3,758	3,182	3,034	2,855	2,759	2,603					
3-7/16 3-1/2	10,000	23,611	19,178	16,981	14,569	11,833	10,022	9,555	8,989	8,689						
	30,000	16,981	13,793	12,213	10,478	8,511	7,208	6,872	6,465	6,249						
	40,000	15,577	12,653	11,203	9,612	7,807	6,612	6,304	5,931	5,732						
	60,000	13,793	11,203	9,920	8,511	6,913	5,855	5,582	5,251	5,076						
	100,000	11,833	9,612	8,511	7,302	5,931	5,023	4,789	4,505	4,355						
3-15/16 4	10,000	29,919	24,302	21,518	18,461	14,995	12,699	12,108	11,391							
	30,000	21,518	17,478	15,476	13,278	10,785	9,134	8,708	8,193							
	40,000	19,739	16,033	14,197	12,180	9,893	8,378	7,988	7,515							
	60,000	17,478	14,197	12,571	10,785	8,760	7,419	7,073	6,655							
	100,000	14,995	12,180	10,785	9,252	7,515	6,365	6,068	5,709							

In the light shaded area, a line-to-line to light press fit on the shaft is required.

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SELECTION

DODGE®

UNISPHERE II

Table 4: Easy Selection Table for Metric UNISPHERE Double Row Spherical Roller Bearings

Shaft Size mm	L10 Life Hours	Allowable Equivalent Radial Load Rating (Newtons) at Various Revolutions per Minute														
		50	100	150	250	500	870	1,020	1,250	1,400	1,700	1,900	2,325	2,625	2,800	3000
30 35	10,000	33,365	27,101	23,997	20,587	16,722	14,162	13,502	12,703	12,278	11,584	11,204	10,545	10,168	9,973	9,769
	30,000	23,997	19,492	17,259	14,807	12,027	10,186	9,711	9,136	8,831	8,331	8,058	7,584	7,313	7,173	7,026
	40,000	22,013	17,880	15,832	13,583	11,032	9,343	8,908	8,381	8,101	7,642	7,392	6,957	6,709	6,580	6,445
	60,000	19,492	15,832	14,019	12,027	9,769	8,273	7,888	7,421	7,173	6,767	6,545	6,160	5,940	5,826	5,707
	100,000	16,722	13,583	12,027	10,318	8,381	7,098	6,767	6,367	6,154	5,806	5,615	5,285	5,096	4,998	4,896
40 45	10,000	33,350	27,089	23,986	20,578	16,715	14,156	13,496	12,697	12,273	11,578	11,198	10,540	10,164	9,969	
	30,000	23,986	19,483	17,251	14,800	12,021	10,181	9,707	9,132	8,827	8,327	8,054	7,581	7,310	7,170	
	40,000	22,003	17,872	15,825	13,576	11,027	9,339	8,904	8,377	8,097	7,639	7,388	6,954	6,705	6,577	
	60,000	19,483	15,825	14,012	12,021	9,764	8,270	7,884	7,418	7,170	6,764	6,542	6,158	5,937	5,824	
	100,000	16,715	13,576	12,021	10,313	8,377	7,095	6,764	6,364	6,151	5,803	5,613	5,283	5,094	4,996	
50	10,000	35,290	28,664	25,381	21,775	17,687	14,979	14,281	13,436	12,987	12,252	11,850	11,154	10,755		
	30,000	25,381	20,616	18,255	15,661	12,721	10,773	10,271	9,663	9,340	8,812	8,523	8,022	7,735		
	40,000	23,283	18,911	16,745	14,366	11,669	9,883	9,422	8,864	8,568	8,083	7,818	7,359	7,096		
	60,000	20,616	16,745	14,828	12,721	10,333	8,751	8,343	7,849	7,587	7,158	6,923	6,516	6,283		
	100,000	17,687	14,366	12,721	10,913	8,864	7,507	7,158	6,734	6,509	6,141	5,939	5,590	5,390		
55	10,000	43,291	35,163	31,136	26,712	21,697	18,375	17,519	16,482	15,931	15,030	14,536	13,682			
	30,000	31,136	25,290	22,394	19,212	15,605	13,216	12,600	11,854	11,458	10,810	10,455	9,841			
	40,000	28,561	23,199	20,542	17,623	14,315	12,123	11,558	10,874	10,511	9,916	9,591	9,027			
	60,000	25,290	20,542	18,189	15,605	12,675	10,735	10,234	9,629	9,307	8,780	8,492	7,993			
	100,000	21,697	17,623	15,605	13,388	10,874	9,209	8,780	8,261	7,984	7,533	7,286	6,857			
60 65	10,000	62,531	50,791	44,974	38,584	31,340	26,542	25,305	23,807	23,012	21,710	20,997				
	30,000	44,974	36,530	32,346	27,750	22,540	19,089	18,200	17,123	16,551	15,614	15,102				
	40,000	41,255	33,510	29,672	25,456	20,677	17,511	16,695	15,707	15,182	14,323	13,853				
	60,000	36,530	29,672	26,273	22,540	18,308	15,505	14,783	13,908	13,443	12,683	12,266				
	100,000	31,340	25,456	22,540	19,338	15,707	13,302	12,683	11,932	11,533	10,881	10,524				
70 75	10,000	66,539	54,047	47,857	41,057	33,349	28,243	26,927	25,334	24,487	23,101					
	30,000	47,857	38,872	34,420	29,529	23,985	20,313	19,367	18,221	17,611	16,615					
	40,000	43,900	35,658	31,574	27,088	22,002	18,634	17,765	16,714	16,155	15,241					
	60,000	38,872	31,574	27,957	23,985	19,482	16,499	15,731	14,800	14,305	13,496					
	100,000	33,349	27,088	23,985	20,577	16,714	14,155	13,496	12,697	12,272	11,578					
80 85 90	10,000	105,020	85,303	75,533	64,801	52,635	44,577	42,499	39,984	38,648						
	30,000	75,533	61,352	54,325	46,606	37,856	32,061	30,567	28,758	27,796						
	40,000	69,287	56,279	49,833	42,753	34,726	29,410	28,039	26,380	25,498						
	60,000	61,352	49,833	44,126	37,856	30,749	26,041	24,828	23,358	22,578						
	100,000	52,635	42,753	37,856	32,477	26,380	22,341	21,300	20,040	19,370						

In the light shaded area, a line-to-line to light press fit on the shaft is required.

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Table 5: UNISPHERE II Maximum Axial Expansion - Inch And Metric

BORE SIZE INCHES	MAXIMUM EXPANSION INCHES
1-7/16 to 1-1/2	5/32
1-11/16 to 1-3/4	5/32
1-15/16 to 2	5/32
2-3/16	5/32
2-7/16 to 2-1/2	3/16
2-11/16 to 3	3/16
3-7/16 to 3-1/2	3/16
3-15/16 to 4	7/32

BORE SIZE mm	MAXIMUM EXPANSION mm
-	-
40, 45	3.9
50, 55	3.9
60, 65	4.7
70, 75	4.7
80, 85, 90	4.7

Table 6: Definition Of Operating Conditions For Unitized Spherical Roller Bearings

LOW SPEED MEDIUM SPEED HIGH SPEED	UP TO 20% OF MAX. RPM (TABLE 1) OVER 20% TO 80% OF MAX. RPM OVER 80% OF MAX. RPM
LIGHT LOAD NORMAL LOAD HEAVY LOAD	UP TO 8% OF C (TABLE 1) OVER 8% TO 18% OF C OVER 18% OF C C = DYNAMIC CAPACITY
LOW TEMPERATURE MEDIUM TEMPERATURE HIGH TEMPERATURE	20°F TO -100°F OVER 20°F TO 200°F OVER 200°F TO 400°F

UNISPHERE II

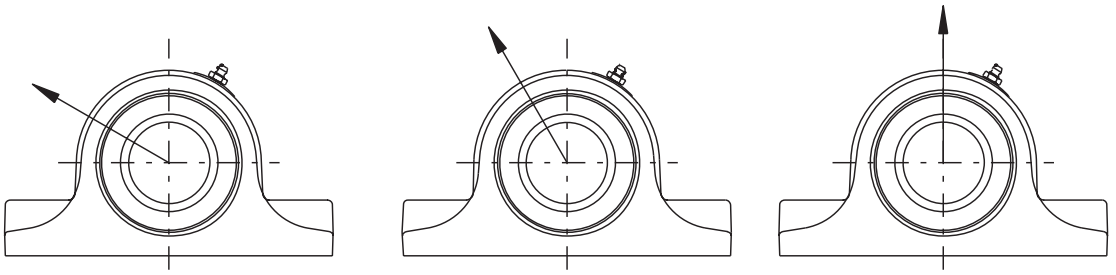


Table 7: UNISPHERE II Housing Ratings, Ductile*

Bore Size	Pillow Block Designation	Max. Recommended Housing Cap Loads		
		P120 lb	P150 lb	P180 lb
1-1/8 to 1-1/2	UN2107	5500	6750	8000
1-5/8 to 1-3/4	UN2111	6800	8600	10000
1-7/8 to 2	UN2115	8000	9900	11700
2-3/16 to 2-1/4	UN2203	10200	12500	14800
2-3/8 to 2-1/2	UN2207	10200	12400	14900
2-11/16 to 3	UN2215	12900	15900	18900
3-3/16 to 3-1/2	UN2307	11900	14600	17400
3-11/16 to 4	UN2315	16900	20800	24600

* When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures:

1. The pillow block base bolts must be of **high strength (Grade 8) bolts and properly tightened** to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
3. In all cases where loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

UNISPHERE II

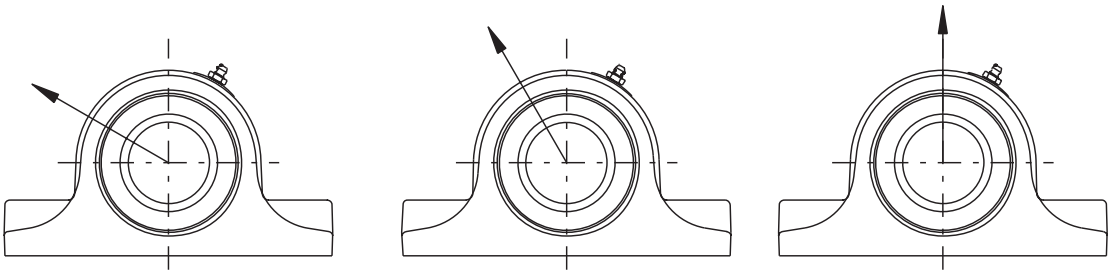


Table 8: Metric UNISPHERE II Housing Ratings, Ductile*

Plummer Block Designation	Max. Recommended Housing Cap Loads		
	P120 kN	P150 kN	P180 kN
UN2040M	31	37	44
UN2045M	31	37	44
UN2050M	35	44	52
UN2055M	45	55	65
UN2060M	45	55	66
UN2065M	45	55	66
UN2070M	57	70	84
UN2075M	57	70	84
UN2080M	53	65	77
UN2085M	53	65	77
UN2090M	53	65	77

* When utilizing heavy cap loads on plummer block housings, the installation must adhere to the following procedures:

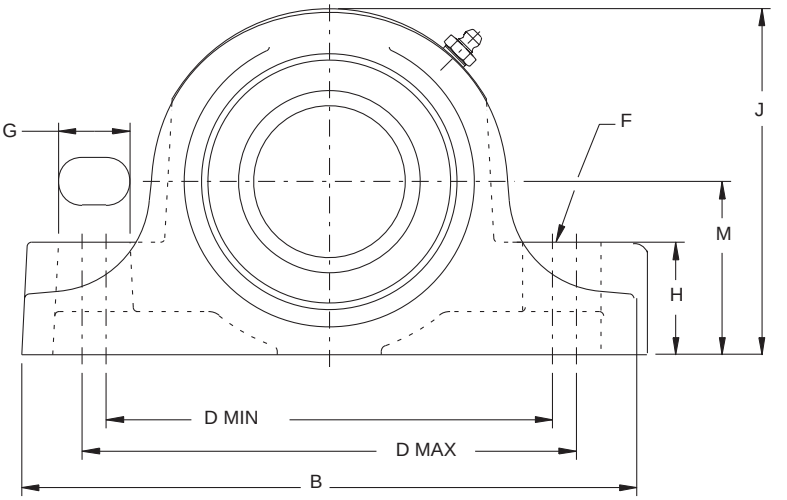
1. The plummer block base bolts must be of high strength (Grade 10.9) and properly tightened to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are en countered.
3. In all cases where loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

NOTE: To convert kN to pounds-force, multiply kN by a factor of 225.+

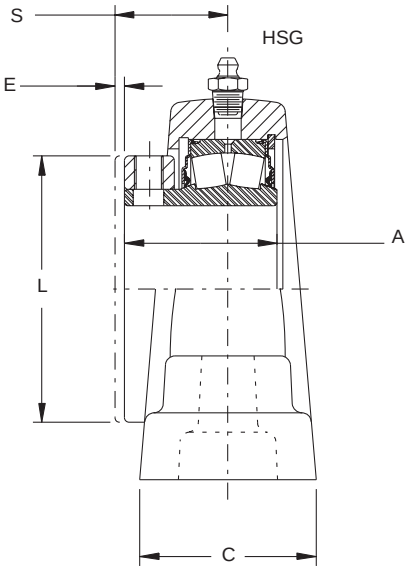
D-LOK
Type E Family
Speciality Tapered
S-2000
UNISPHERE II

DIMENSIONS

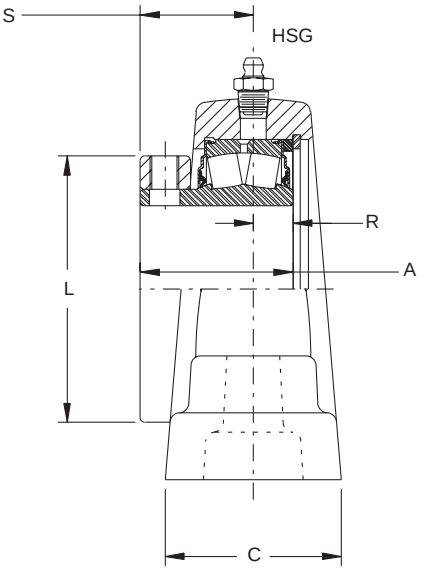
UNISPHERE II Pillow Block - Inch



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

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UNISPHERE II Pillow Block - Inch

Bearing	Shaft Size Inch Δ	NON-EXPANSION*		EXPANSION		Approx. Wt. Lbs.
		PART NO.	PART NAME	PART NO.	PART NAME	
22208	1-7/16	**048000**	P2B-UN2-107	**048017**	P2B-UN2-107E	5.5
	1-1/2	**048001**	P2B-UN2-108	**048018**	P2B-UN2-108E	5.4
22209	1-11/16	**048002**	P2B-UN2-111	**048019**	P2B-UN2-111E	6.9
	1-3/4	**048003**	P2B-UN2-112	**048020**	P2B-UN2-112E	6.8
22210	1-15/16	**048004**	P2B-UN2-115	**048021**	P2B-UN2-115E	8.0
	2	**048005**	P2B-UN2-200	**048022**	P2B-UN2-200E	7.6
22211	2-3/16	**048006**	P2B-UN2-203	**048023**	P2B-UN2-203E	9.8
22213	2-7/16	**048007**	P2B-UN2-207	**048024**	P2B-UN2-207E	13.6
	2-1/2	**048008**	P2B-UN2-208	**048025**	P2B-UN2-208E	13.4
22215	2-11/16	**048009**	P2B-UN2-211	**048026**	P2B-UN2-211E	19.3
	2-3/4	**048010 †**	P2B-UN2-212	**048027†**	P2B-UN2-212E	19.0
	2-15/16	**048011**	P2B-UN2-215	**048028**	P2B-UN2-215E	18.2
	3	**048012**	P2B-UN2-300	**048029**	P2B-UN2-300E	18.1
22218	3-7/16	**048013**	P2B-UN2-307	**048030**	P2B-UN2-307E	28.4
	3-1/2	**048014 †**	P2B-UN2-308	**048031†**	P2B-UN2-308E	27.0
22220	3-15/16	**048015**	P2B-UN2-315	**048032**	P2B-UN2-315E	37.4
	4	**048016 †**	P2B-UN2-400	**048033†**	P2B-UN2-400E	37.0

† Assembled to order. Consult DODGE for delivery.
Δ Consult DODGE for sizes not listed.
* Furnished unless otherwise specified.

UNISPHERE II - Pillow Block - Dimensions ●

Shaft Size Inch	A	B	C	D		E Total Exp.	F Bolt Dia.	G	H	J	L	M	R	S
				Min.	Max.									
1-7/16 1-1/2	1-11/16	6-7/8	1-61/64	4-11/16	5-1/2	5/32	1/2	31/32	1-3/16	3-7/8	2-3/4	1-7/8	1/2	1-3/16
1-11/16 1-3/4	1-29/32	7-3/8	2-1/16	5-3/16	5-7/8	5/32	1/2	29/32	1-5/16	4-1/4	3	2-1/8	15/32	1-7/16
1-15/16 2	1-29/32	8-3/8	2-1/16	5-15/16	6-11/16	5/32	5/8	1-1/16	1-3/8	4-9/16	3-1/4	2-1/4	15/32	1-7/16
2-3/16	2	8-7/8	2-5/16	6-7/16	7-1/8	5/32	5/8	1-1/32	1-5/8	5	3-1/2	2-1/2	33/64	1-31/64
2-7/16 2-1/2	2-13/64	9-1/4	2-9/16	6-13/16	7-7/16	3/16	5/8	1	1-3/4	5-11/16	4-1/16	2-3/4	21/32	1-35/64
2-11/16 2-3/4 2-15/16 3	2-29/64	10-7/16	2-9/16	7-13/16	8-7/16	3/16	3/4	1-1/8	2-1/4	6-7/16	4-23/32	3-1/4	49/64	1-11/16
3-7/16 3-1/2	2-55/64	13	2-13/16	9-1/4	10-3/4	3/16	7/8	1-11/16	2-1/4	7-1/2	5-1/2	3-3/4	15/16	1-29/32
3-15/16 4	3-21/64	14-1/4	3-5/16	10	11-7/8	7/32	1	2	2-1/2	8-7/16	6-15/32	4-1/8	1-1/8	2-3/16

● Dimensions shown are for non-expansion units. The expansion bearing center and housing center are on the same centerline.

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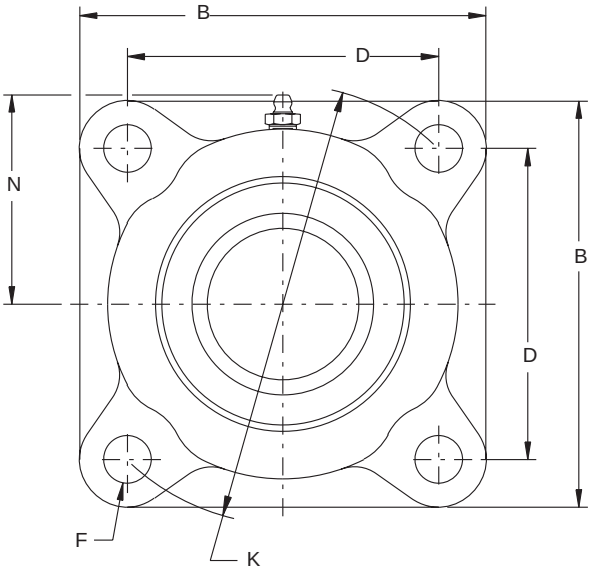
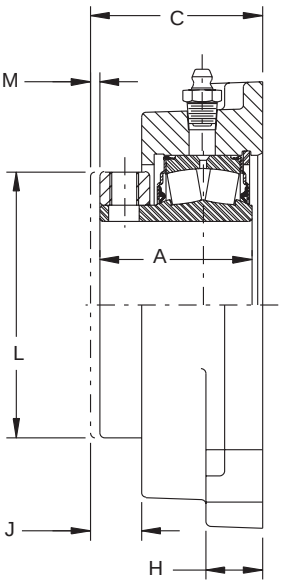
DIMENSIONS

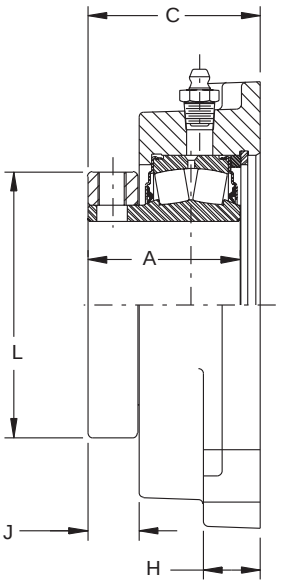
UNISPHERE II Flange Bearing - Inch
4-BOLT



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

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UNISPHERE II Flange Bearing - Inch
4-BOLT

Bearing	Shaft Size Inch Δ	NON-EXPANSION*		EXPANSION		Approx. Wt. Lbs.
		PART NO.	PART NAME	PART NO.	PART NAME	
22208	1-7/16	**048034**	F4B-UN2-107	**048051**	F4B-UN2-107E	5.20
	1-1/2	**048035**	F4B-UN2-108	**048052**	F4B-UN2-108E	5.10
22209	1-11/16	**048036**	F4B-UN2-111	**048053**	F4B-UN2-111E	6.70
	1-3/4	**048037**	F4B-UN2-112	**048054**	F4B-UN2-112E	6.70
22210	1-15/16	**048038**	F4B-UN2-115	**048055**	F4B-UN2-115E	6.90
	2	**048039**	F4B-UN2-200	**048056**	F4B-UN2-200E	6.70
22211	2-3/16	**048040**	F4B-UN2-203	**048057**	F4B-UN2-203E	8.40
22213	2-7/16	**048041**	F4B-UN2-207	**048058**	F4B-UN2-207E	10.50
	2-1/2	**048042**	F4B-UN2-208	**048059**	F4B-UN2-208E	10.40
22215	2-11/16	**048043**	F4B-UN2-211	**048060 †**	F4B-UN2-211E	17.30
	2-3/4	**048044**	F4B-UN2-212	**048061 †**	F4B-UN2-212E	17.00
	2-15/16	**048045**	F4B-UN2-215	**048062**	F4B-UN2-215E	16.20
	3	**048046**	F4B-UN2-300	**048063**	F4B-UN2-300E	15.90
22218	3-7/16	**048047**	F4B-UN2-307	**048064**	F4B-UN2-307E	24.70
	3-1/2	**048048 †**	F4B-UN2-308	**048065 †**	F4B-UN2-308E	30.00
22220	3-15/16	**048049**	F4B-UN2-315	**048066**	F4B-UN2-315E	41.40
	4	**048050**	F4B-UN2-400	**048067 †**	F4B-UN2-400E	41.00

† Assembled to order. Consult DODGE for delivery.
Δ Consult DODGE for sizes not listed.
* Furnished unless otherwise specified.

UNISPHERE II 4-BOLT FLANGE DIMENSIONS ●

Shaft Size Inch	A	B	C	D	F Bolt Dia.	H	J	K	L	M Total Exp.	N
1-7/16 1-1/2	1-11/16	4-3/4	1-29/32	3-17/32	1/2	3/4	9/16	5	2-3/4	5/32	2-7/16
1-11/16 1-3/4	1-29/32	5-1/8	2-5/32	3-29/32	1/2	3/4	23/32	5-1/2	3	5/32	2-3/4
1-15/16 2	1-29/32	5-5/16	2-11/64	4-1/16	1/2	11/16	45/64	5-3/4	3-1/4	5/32	2-7/8
2-3/16	2	5-7/8	2-17/64	4-1/2	5/8	3/4	43/64	6-3/8	3-1/2	5/32	3-1/16
2-7/16 2-1/2	2-13/64	6-1/8	2-7/16	4-25/32	5/8	1	5/8	6-3/4	4-1/16	3/16	3-3/8
2-11/16 2-3/4 2-15/16 3	2-29/64	7-3/16	2-19/32	5-9/16	3/4	15/16	25/32	7-7/8	4-23/32	3/16	3-13/16
3-7/16 3-1/2	2-55/64	8-11/32	3-5/64	6-23/32	3/4	1-3/16	55/64	9-1/2	5-1/2	3/16	4-5/16
3-15/16 4	3-21/64	9-15/32	3-11/16	7-5/8	7/8	1-1/16	1-3/64	10-3/4	6-15/32	7/32	4-11/16

● Dimensions shown are for non-expansion units.

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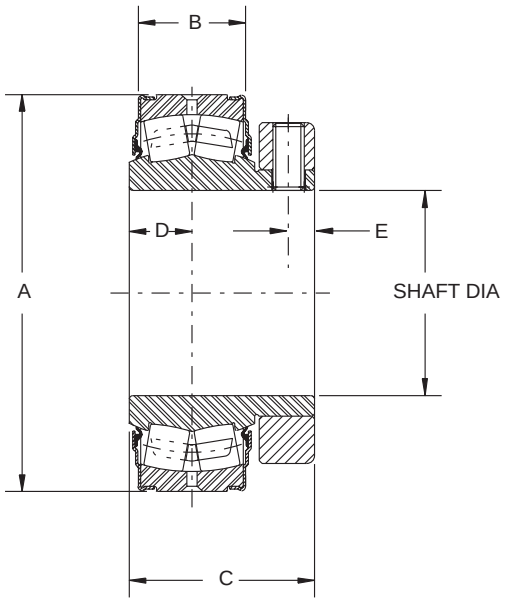
DIMENSIONS

DODGE®

UNISPHERE II Bearing Insert With Seal - Inch



Bearing	Shaft Size Inch Δ	PART NO. †	PART NAME	Approx. Wt. Lbs.
22208	1-7/16	**421243**	BRG-UN2-107	1.5
	1-1/2	**421244**	BRG-UN2-108	1.4
22209	1-11/16	**421245**	BRG-UN2-111	1.6
	1-3/4	**421246**	BRG-UN2-112	1.5
22210	1-15/16	**421247**	BRG-UN2-115	1.8
	2	**421248**	BRG-UN2-200	1.7
22211	2-3/16	**421249**	BRG-UN2-203	2.3
22213	2-7/16	**421250**	BRG-UN2-207	4.1
	2-1/2	**421251**	BRG-UN2-208	3.9
22215	2-11/16	**421252**	BRG-UN2-211	5.6
	2-3/4	**421253**	BRG-UN2-212	5.4
	2-15/16	**421254**	BRG-UN2-215	4.8
	3	**421255**	BRG-UN2-300	4.6
22218	3-7/16	**421256**	BRG-UN2-307	9.2
	3-1/2	**421257**	BRG-UN2-308	8.6
22220	3-15/16	**421258**	BRG-UN2-315	12.4
	4	**421259**	BRG-UN2-400	12.1

† Assembled-to-order size. Consult DODGE for delivery.
Δ Consult DODGE for sizes not listed.

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UNISPHERE II Bearing Insert With Seal - Inch

UNISPHERE II BEARING INSERT DIMENSIONS

Shaft Size Inch	A	B	C	D	E
1-7/16 1-1/2	3.1496	0.9455	1-11/16	0.557	0.286
1-11/16 1-3/4	3.3465	0.9455	1-29/32	0.578	0.317
1-15/16 2	3.5433	0.9455	1-29/32	0.594	0.317
2-3/16	3.9370	1.0343	2	0.644	0.317
2-7/16 2-1/2	4.7244	1.2705	2-13/64	0.747	0.317
2-11/16 2-3/4 2-15/16 3	5.1181	1.2705	2-29/64	0.795	0.442
3-7/16 3-1/2	6.2992	1.6243	2-55/64	0.974	0.442
3-15/16 4	7.0866	1.8610	3-21/64	1.090	0.505

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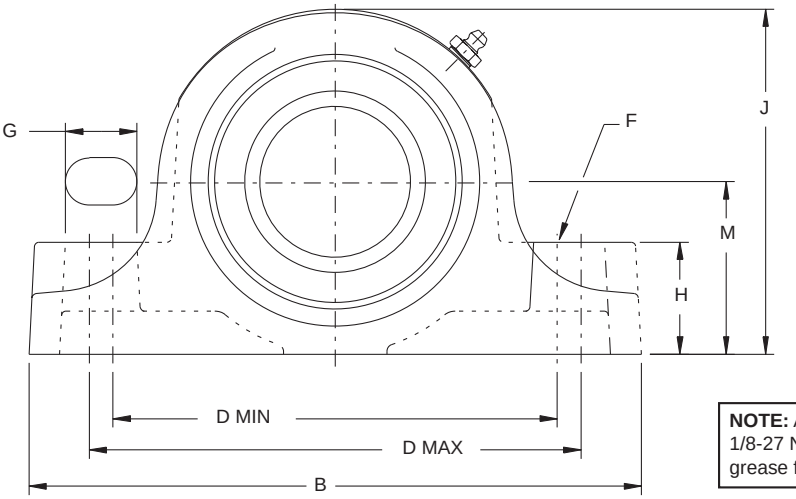
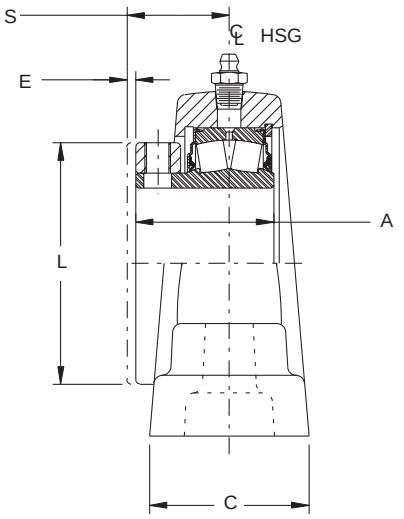
DIMENSIONS

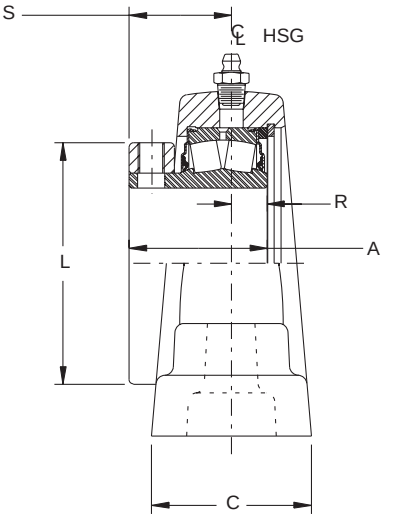
UNISPHERE II Plummer Block Bearing - Metric



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

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UNISPHERE II Plummer Block Bearing - Metric

Bearing	Shaft Size Δ	NON-EXPANSION*		EXPANSION		Approximate Weight Kgs.
		PART NO.	PART NAME	PART NO.	PART NAME	
22210	50 mm	**048109**	P2B-UN2-050M	**048124**	P2B-UN2-050ME	3.4
22211	55 mm	**048110**	P2B-UN2-055M	**048125**	P2B-UN2-055ME	4.4
22213	60 mm	**048111**	P2B-UN2-060M	**048126**	P2B-UN2-060ME	6.2
22215	70 mm	**048113**	P2B-UN2-070M	**048128**	P2B-UN2-070ME	8.6
	75 mm	**048114**	P2B-UN2-075M	**048129**	P2B-UN2-075ME	8.3
22218	80 mm	**048115**	P2B-UN2-080M	**048130**	P2B-UN2-080ME	12.9
	85 mm	**048116**	P2B-UN2-085M	**048131**	P2B-UN2-085ME	12.6

† Assembled to order. Consult DODGE for delivery.

Δ Consult DODGE for sizes not listed.

* Furnished unless otherwise specified.

METRIC UNISPHERE II - PLUMMER BLOCK - DIMENSIONS (MM) ●

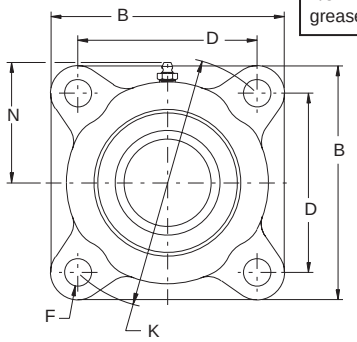
Shaft Size	A mm	B mm	C mm	D		E Total Exp.	F Bolt Dia.	G mm	H mm	J mm	L mm	M mm	R mm	S mm
				Min.	Max.									
50 mm	48	213	52	151	170	3.9	16	27	35	116	83	57.1	12	37
55 mm	51	225	59	164	181	3.9	16	26	41	127	89	63.5	13	38
60 mm	56	235	65	173	189	4.7	16	25	44	144	103	69.8	17	39
70 mm 75 mm	62	265	65	198	214	4.7	20	29	57	164	120	82.5	19	43
80 mm 85 mm	73	330	71	235	273	4.7	22	43	57	190	140	95.2	24	48

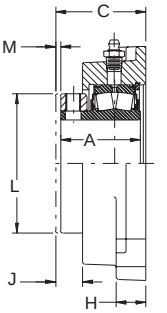
● Dimensions shown are for non-expansion units. The expansion bearing center and housing center are on the same centerline.

DIMENSIONS

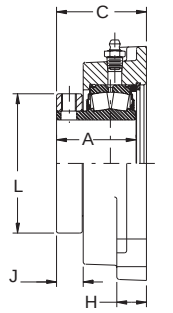
UNISPHERE II Flange - Metric
4-BOLT

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting





EXPANSION



NON-EXPANSION

Bearing	Shaft Size Δ	NON-EXPANSION*		EXPANSION		Approx. Wt. Kgs.
		PART NO.	PART NAME	PART NO.	PART NAME	
22209	40 mm	**048202**	F4B-UN2-040M	**048216**	F4B-UN2-040ME	3.1
	45 mm	**048203**	F4B-UN2-045M	**048217**	F4B-UN2-045ME	3.1
22210	50 mm	**048204**	F4B-UN2-050M	**048218**	F4B-UN2-050ME	3
22211	55 mm	**048205**	F4B-UN2-055M	**048219**	F4B-UN2-055ME	3.8
22213	60 mm	**048206**	F4B-UN2-060M	**048220**	F4B-UN2-060ME	4.8
	65 mm	**048207**	F4B-UN2-065M	**048221**	F4B-UN2-065ME	4.6
22215	70 mm	**048208**	F4B-UN2-070M	**048222**	F4B-UN2-070ME	8.2
22218	80 mm	**048210**	F4B-UN2-080M	**048224**	F4B-UN2-080ME	11.2

† Assembled to order. Consult DODGE for delivery.

Δ Consult DODGE for sizes not listed.

* Furnished unless otherwise specified.

METRIC UNISPHERE II - 4-BOLT FLANGE - DIMENSIONS (mm) ●

Shaft Size	A	B	C	D	F Bolt Dia.	H	J	K	L	M Total Exp.	N
40 mm 45 mm	48	130	55	99	12	19	18	140	76	3.9	70
50 mm	48	135	55	103	12	18	18	146	82	3.9	73
55 mm	51	149	58	114	16	19	17	162	89	3.9	78
60 mm 65 mm	56	156	62	121	16	25	16	171	103	3.9	86
70 mm	62	183	66	141	20	24	20	200	120	4.7	97
80 mm	73	212	78	171	20	30	22	241	140	4.7	109

● Dimensions shown are for non-expansion units.

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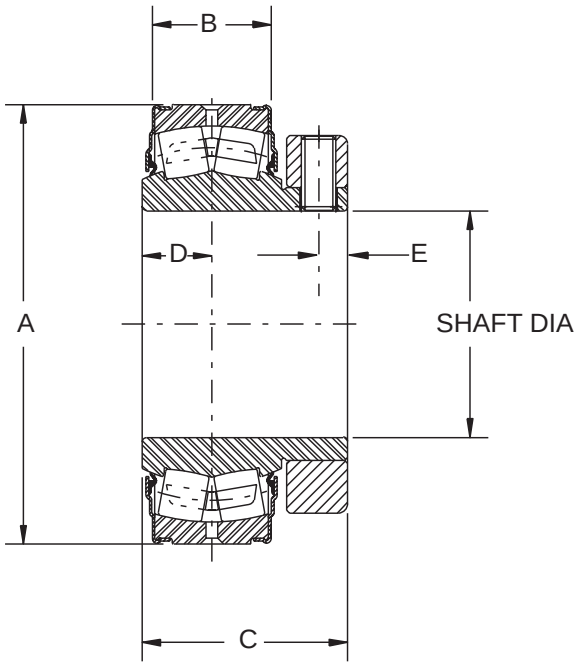
UNISPHERE II Bearing Insert With Seal - Metric



Bearing	UNISPHERE II Bearing Insert W/Seals Metric			
	Shaft Size Δ	PART NO. †	PART NAME	Approx. Wt. Kgs.
22209	40 mm	**421362**	BRG-UN2-040	0.80
	45 mm	**421363**	BRG-UN2-045	0.70
22210	50 mm	**421364**	BRG-UN2-050	0.75
22211	55 mm	**421365**	BRG-UN2-055	1.06
22213	60 mm	**421366**	BRG-UN2-060	1.95
	65 mm	**421367**	BRG-UN2-065	1.74
22215	70 mm	**421368**	BRG-UN2-070	2.37
	75 mm	**421369**	BRG-UN2-075	2.09
22218	80 mm	**421370**	BRG-UN2-080	4.54
	85 mm	**421371**	BRG-UN2-085	4.20
	90 mm	**421372**	BRG-UN2-090	3.90

UNISPHERE II Bearing Insert Dimensions-Metric					
Shaft Size	A mm	B mm	C mm	D mm	E mm
40 mm	85	24	48	14.7	7.26
45 mm					
50 mm	90	24	48	15.1	8.05
55mm	100	26	51	16.4	8.05
60 mm	120	32.2	56	19	8.05
65 mm					
70 mm	130	32.3	62	20.2	11.2
75 mm					
80 mm	160	41.3	73	24.1	11.2
85 mm					
90 mm					

† Assembled-to-order size. Consult DODGE for delivery.
Δ Consult DODGE for sizes not listed.

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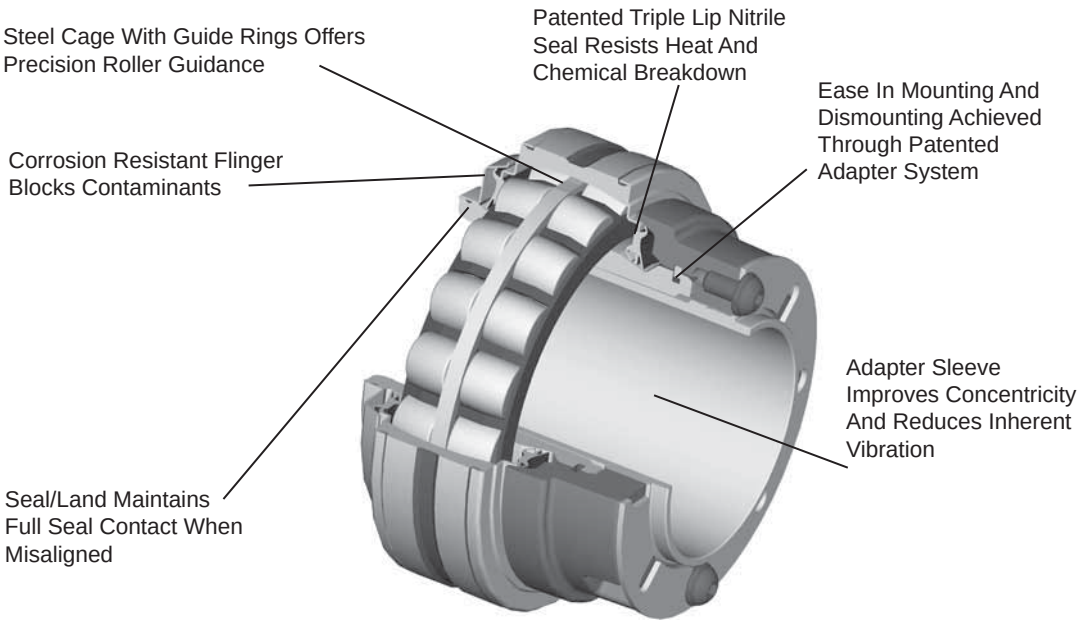
IMPERIAL

Patented Adapter System Offers Quick Installation And Removal

The DODGE IMPERIAL bearing uses a thin wall push-pull adapter system that achieves clearance setting without the use of feeler gauges. The IMPERIAL bearing is installed by turning the locknut clockwise and removed by a counterclockwise rotation. Installation and removal of an IMPERIAL bearing can be accomplished in 15 minutes or less.



Installation and Removal Savings . . .

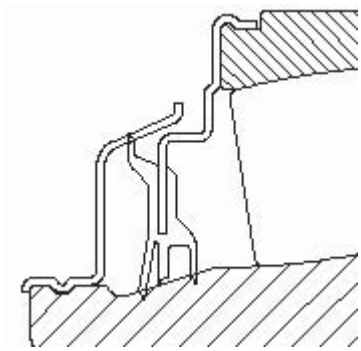
- Factory lubed, sealed and adjusted, ready to slip onto the shaft
- IMPERIAL adapter sleeve concentricity virtually eliminates fretting corrosion
- Field convertible from non-expansion to expansion and expansion to non-expansion
- Elongated pillow block bolt holes to facilitate mounting

IMPERIAL

IMPERIAL Bearings Offer Patented Seal Options To Maximize Bearing Life . . .

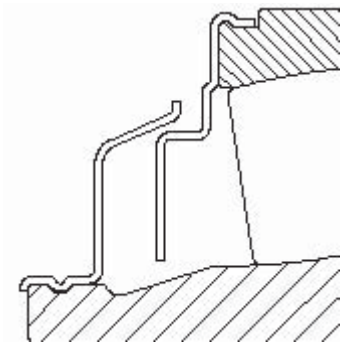
TRIDENT™ seals for low to medium speed

- Face rubbing triple lip seal
- Flinger to shield seal and bearing from contamination/damage
- Seal/land positive contact up to ±1 degree of misalignment
- Patented design



Labyrinth seals for higher speeds or high temperatures

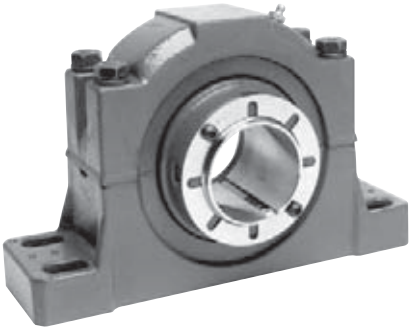
- High speed for relatively clean or hot environments
- 15% increase in maximum speed over standard SAF adapter mounted sphericals of the same shaft size
- Flinger to shield seal and bearing from contamination/damage
- Seal operates up to ±1 degree of misalignment
- Patented design

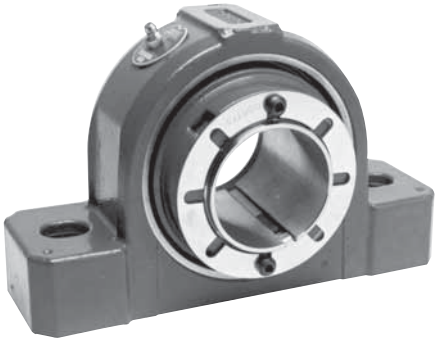


FEATURES/BENEFITS

DODGE®

IMPERIAL - IP

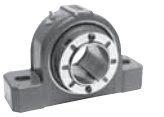




- Push-pull adapter mount
- Grease limiting speeds 30% higher than setscrew mounts
- Same rolling element as the S-2000 bearing
- Pillow blocks are interchangeable with S-2000 dimensions on all sizes
- All housings are Class 30 Gray Iron
- 2 bolt pillow blocks, 4 bolt flange bearings piloted flange and take-ups 1-1/8” to 4”
  4 bolt pillow blocks in sizes 2-3/8” to 5”
- Jackscrew holes standard on piloted flanges
- Can replace 300 series ball bearings in many applications
- Patented adapter mounting system
- Superior holding power reduces the fretting corrosion caused by vibration
- Shaft ready installation
- No special tools required for installation
- DODGE TRIDENT triple lip seal provides superior sealing system
- Seal/land on OD of inner ring maintains full contact pressure even when misaligned
- Less shaft damage vs. setscrew mounts
- Reduced vibration damage vs. setscrew mounts

SPECIFICATION

DODGE®

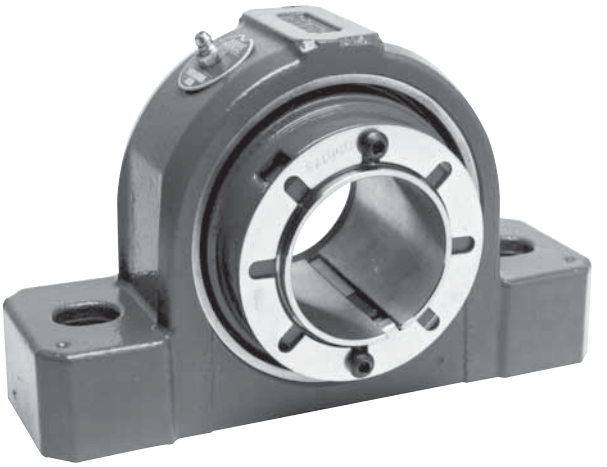


IMPERIAL
INCH

DODGE Spherical Bearings, including IMPERIAL bearings, are general-purpose, high-capacity, double-row spherical roller bearings. All IMPERIAL bearings are mounted in single-piece, precision-machined housings. Bearings are mounted to shafts by means of a patented adapter system that improves concentricity and reduces inherent vibration.

ASTM A48 Class 30 cast iron is the standard material used in IMPERIAL housings. Housing designs are available for survival in extremely harsh environments, through the use of special finishes and stainless hardware.

Housings are available in a variety of standard configurations, including pillow blocks, flanges, piloted flanges and take-up bearings. TRIDENT triple lip contact seals and Labyrinth seals are available on IMPERIAL bearings.



IMPERIAL FEATURES PAGE B10-3	IMPERIAL HOW TO ORDER PAGE B10-7	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-10

IMPERIAL

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B10-9 and add any special instructions to the end of the description for options not covered by the nomenclature.

DODGE Spherical Bearings are factory adjusted and pre-lubricated. For applications where extreme ambient temperatures, high speeds, or high loads are expected, a variety of specialty lubricants is available. Standard grease provided is Mobilith AW2. High temperature greases available include Moluballoy 896 HT and Mobilith SHC460. Other special lubricants are available upon request. Special lubricant options usually involve set-up charges, minimum quantities and list price premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example: 069461 except with Mobil Grease HTS #2 grease

or

P2BIP108L except with Mobil Grease HTS #2 grease

For applications requiring modifications not listed, we encourage you to contact our Application Engineering Department for Bearings at 864-284-5700.

FEATURES/BENEFITS

DODGE®

IMPERIAL-E

- Interchangeable with Type E style pillow blocks and flanges
- Same DODGE exclusive IMPERIAL adapter system and bearing insert
- Easy installation - no feeler gauges needed
- Easy removal - no torches, sledge hammers or special tools needed
- DODGE TRIDENT triple lip seal provides superior sealing system
- Labyrinth seal available for high speed or high temperature applications
- Up to ±1° misalignment capability
- Seal land on OD of inner ring maintains full contact pressure even when misaligned
- High capacity double row spherical bearing
- 2 bolt pillow blocks in sizes 1-3/8 to 3-1/2”
- 4 bolt pillow blocks in sizes 2-1/4 to 7”
- Flanges in sizes 1-3/8 to 4-1/2”
- Piloted flanges in sizes 1-3/8 to 5”

NOMENCLATURE

IMPERIAL - IP

E P2B - IP - 207 R E

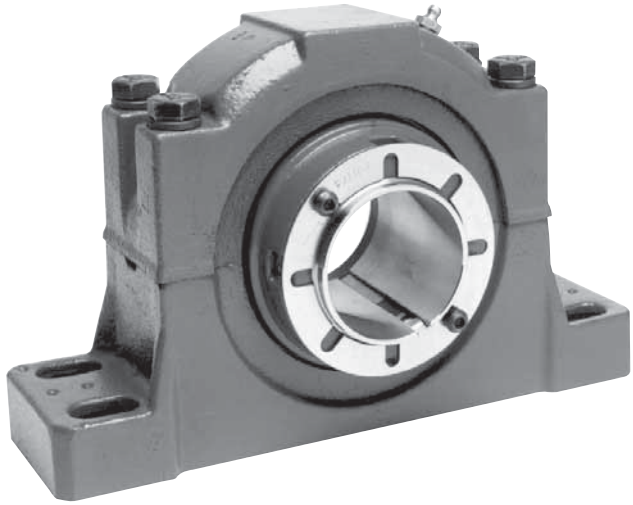
	HOUSING STYLE	BEARING TYPE	SIZE	SEAL	OTHER DATA
"E" prefix denotes Type E dimensioned housing with IMPERIAL spherical roller bearing insert*	P2B = Pillow Block 2 Bolt Base, Cast Iron P4B = Pillow Block 4 Bolt Base, Cast Iron F3R = Flange Bearing 3 Bolt, Cast Iron Round F4R = Flange Bearing 4 Bolt Base, Cast Iron, Round F4S = Flange Bearing 4 Bolt Base, Cast iron, Square FC = Piloted Flanged (Flanged Cartridge) WSTU = Wide Slot Take-Up Bearing For Use In Center-Pull Frames	IP = IMPERIAL	Inches and 16th 2 = 2" 07 = 7/16" 207 - 2-7/16"	R = TRIDENT Triple Lip Rubbing Seal L = Labyrinth Metallic Seal	E = Expansion Type Bearing - If "E" Does Not Appear, Bearing Is Non-Expansion Type

* Available in two or four bolt pillow blocks, four bolt square flanges and piloted flanges

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL SELECTION PAGE B10-12	IMPERIAL DIMENSIONS PAGE B10-20

FEATURES/BENEFITS

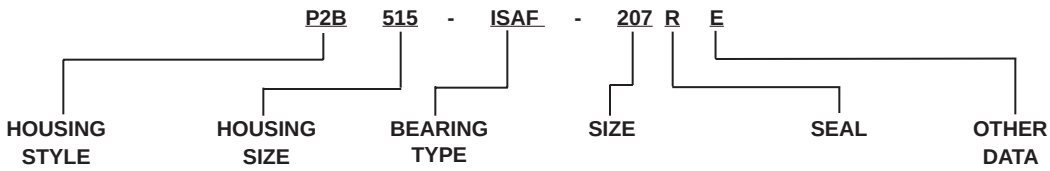
ISAF



- Interchangeable with SAF style pillow blocks
- Patented adapter mounting system
- Easy installation - no feeler gauges needed
- Easy removal - no torches, sledge hammers or special tools needed
- DODGE TRIDENT triple lip seal provides superior sealing system
- Labyrinth seal available for high speed or high temperature applications
- Up to ±1° misalignment capability
- Seal land on OD of inner ring maintains full contact pressure even when misaligned
- High capacity double row spherical bearing
- 2 bolt pillow blocks in sizes 1-7/16 to 3-7/16”
- 4 bolt pillow blocks in sizes 2-7/16” to 7”

NOMENCLATURE

ISAF



HOUSING STYLE	HOUSING SIZE	BEARING TYPE	SIZE	SEAL	OTHER DATA
P2B = Pillow Block 2 Bolt Base, Cast Iron P4B = Pillow Block 4 Bolt Base, Cast Iron	5xx for interchangeable SAF style housings	ISAF = IMPERIAL SAF	Inches and 16th 2 = 2” 07 = 7/16” 207 = 2-7/16”	R = TRIDENT Triple Lip Contact Seal L = Labyrinth Seal	E = EXPANSION If E does not appear, bearing is a non-expansion type

ISAF FEATURES/BENEFITS PAGE B10-10

ISAF DIMENSIONS PAGE B10-60

SELECTION

IMPERIAL - IP and ISAF Spherical Roller Bearing

DODGE Spherical Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE spherical roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-284-5700) for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$\text{L10 Life, Hours} = \left(\frac{C}{P}\right)^{0.3} X \left(\frac{16667}{RPM}\right)$$

Where:

C = Dynamic Capacity (Table 1 on page B10-15 for IMPERIAL), lbs.

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L10 life. Spherical bearings require a radial load at least equal to the thrust load for proper operation. If the thrust load exceeds this limit, consult Application Engineering. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening of the bearing to the shaft. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM	20-200	201-2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where cap loads are involved, see Tables 3 - 5 on pages B10-18 - B10-19 for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial loads for flange units.

SHAFT TOLERANCES

SHAFT SIZE	TOLERANCE, inches
Up To 1-1/2”	+.000 -.002”
1-9/16 to 2-1/2”	+.000 -.003”
2-5/8 to 4”	+.000 -.004”
4-3/16 to 6”	+.000 -.005”
6-7/16” and above	+.000 -.006”

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IMPERIAL - IP and ISAF Spherical Roller Bearing
BEARING SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R (F_R = P for Pure Radial Load Conditions). The DODGE program BEST™★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 2 on page B10-16 for IMPERIAL, find, under the RPM column, the equivalent radial load that equals or is slightly higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application.

If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 4000 lbs.
3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4011 lbs. exceeds the 4000 lbs. radial load for shaft size 2-3/8" to 2-1/2". A bearing with bore ranging from 2-3/8" to 2-1/2", or longer, may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity **C** is identified in terms of L_{10}, RPM and P

$$C = \left(\frac{L_{10} \times RPM}{16667} \right)^{0.3} \times P$$

($P = F_R$ for Pure Radial Load Conditions)

Since the L_{10}, RPM and P are known, solve for **C**. Select from the dynamic capacity column on Table 1 on page B10-15 the **C** value equal to or greater than the **C** value just calculated. The bore size on the far left represents the proper bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load $P = XF_R + YF_A$

Where:

- P = Equivalent radial load, lbs.
- F_R = Radial load, lbs. (see Table 1 for allowable slip fit maximum load)
- F_A = Thrust (axial) load, lbs.
- **e** = Thrust load to radial load factor (Table 1)
- X = Radial load factor (Table 1)
- Y = Thrust load factor (Table 1)

★The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at www.ptwizard.com under the Product Selection area.

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL DIMENSIONS PAGE B10-20

SELECTION

IMPERIAL - IP and SAF Spherical Roller Bearing

To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1 on page B10-15 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection B10-16

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. However, they will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-284-5700).

SELECTING LUBRICATION

IMPERIAL spherical roller bearings are lubricated at the factory with Mobilith AW2 grease for sizes up to 5". Above 5", Mobillux EP #2 is used. Mobilith AW2 is a superior industrial grease with a lithium complex thickener and highly refined base oil. Mobilux EP#2 is a superior industrial grease using a lithium hydroxystearate thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 5 on page B10-19 For very low and high speeds, for heavy loads, and for low and high temperatures, special greases may be used. Contact DODGE Application Engineering (864-284-5700), DODGE engineers will recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Spherical roller bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

MISALIGNMENT CONSIDERATIONS

In nearly all applications good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up, both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE Unitized Spherical Roller Bearings. IMPERIAL bearings are designed to allow a maximum of ±1° of static and dynamic misalignment. However, for optimum seal performance, misalignment should be kept under ±0.5°. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimming may be required to minimize misalignment.

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IMPERIAL - IP and SAF Spherical Roller Bearing

Table 1: IMPERIAL Spherical Roller Bearing

Shaft Size Inches	Basic Bearing Description	e	FA/FR<e		FA/FR>e		Adapter Maximum Thrust Load Pounds	Dynamic Capacity (C) Pounds	Static Capacity (Co) Pounds	Maximum Speed*		Maximum ISAF Expansion Capability Inches
			X	Y	X	Y				Labyrinth RPM	TRIDENT RPM	
1-1/8 1-3/16 1-1/4 1-3/8 1-7/16 1-1/2	22208	0.28	1.0	2.4	0.67	3.6	620	20,800	21,000	6,000	3,975	7/32
1-1/2 ** 1-5/8 1-11/16 1-3/4	22209	0.26	1.0	2.6	0.67	3.9	700	20,800	22,000	5,600	3,725	7/32
1-3/4 ** 1-7/8 1-15/16 2	22210	0.24	1.0	2.8	0.67	4.2	775	22,000	24,000	5,300	3,520	17/64
2-3/16 2-1/4	22211	0.23	1.0	2.9	0.67	4.3	930	27,000	29,000	4,500	3,000	7/32
2-1/4 ** 2-3/8 2-7/16 2-1/2	22213	0.24	1.0	2.8	0.67	4.2	1,360	39,000	47,500	3,800	2,400	5/16
2-11/16 2-3/4 2-15/16 3	22215	0.22	1.0	3.1	0.67	4.6	1,570	41,500	53,000	3,400	2,250	15/64
3-3/16 3-1/4 3-7/16 3-1/2	22218	0.23	1.0	2.9	0.67	4.3	2,430	65,500	81,500	2,600	1,825	3/8
3-11/16 3-15/16 4	22220	0.24	1.0	2.8	0.67	4.2	3,100	83,000	104,000	2,200	1,530	3/8
4-7/16 4-1/2	22222	0.25	1.0	2.7	0.67	4.0	3,930	104,000	132,000	2,000	1,325	3/8
4-15/16 5	22226	0.26	1.0	2.6	0.67	3.9	5,610	146,000	196,000	1,800	1,175	3/8
5-7/16 5-1/2	22228	0.25	1.0	2.7	0.67	4.0	6,419	166,000	236,000	1,700	1,100	3/8
5-15/16 6	22232	0.26	1.0	2.6	0.67	3.9	8,630	220,000	315,000	1,500	975	3/8
6-7/16 6-1/2 6-15/16 7	22236	0.25	1.0	2.7	0.67	4.0	10,437	260,000	375,000	1,300	845	3/8

* Maximum grease speed is dependent on load and ambient conditions, consult Dodge Engineering

** IMPERIAL - Type E Dimensional Housing

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SELECTION

DODGE®

IMPERIAL - IP and SAF Spherical Roller Bearing

Table 2: Allowable Equivalent Radial Load Rating (lbs) at Various Revolutions per Minute

Size Inches	L10 Life Hours	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																					
		50	100	150	250	500	750	1,000	1,300	1,500	1,700	1,800	2,000	2,200	2,600	2,750	3,000	3,400	3,800	4,500	5,300	5600	6000
1-1/8 to 1-1/2	10,000	7498	6090	5393	4626	3758	3327	3052	2821	2703	2603	2559	2479	2409	2292	2253	2195	2114	2045	1944	1851	1820	1783
	30,000	5393	4380	3878	3327	2703	2393	2195	2029	1944	1872	1840	1783	1733	1648	1621	1579	1521	1471	1398	1331	1309	1282
	40,000	4947	4018	3558	3052	2479	2195	2014	1861	1783	1717	1688	1636	1590	1512	1487	1448	1395	1349	1282	1221	1201	1176
	60,000	4380	3558	3150	2703	2195	1944	1783	1648	1579	1521	1495	1448	1408	1339	1316	1282	1235	1195	1136	1081	1064	1042
	100,000	3758	3052	2703	2319	1883	1668	1530	1414	1355	1305	1282	1243	1208	1149	1129	1100	1060	1025	974	928	912	894
*1-1/2 1-5/8 1-11/16 1-3/4	10,000	7,498	6,090	5,393	4,626	3,758	3,327	3,052	2,821	2,703	2,603	2,559	2,479	2,409	2,292	2,253	2,195	1,521	2,045	1,944	1,331	1,820	
	30,000	5,393	4,380	3,878	3,327	2,703	2,393	2,195	2,029	1,944	1,872	1,840	1,783	1,733	1,648	1,621	1,579	1,521	1,471	1,398	1,331	1,309	
	40,000	4,947	4,018	3,558	3,052	2,479	2,195	2,014	1,861	1,783	1,717	1,688	1,636	1,590	1,512	1,487	1,448	1,395	1,349	1,282	1,221	1,201	
	60,000	4,380	3,558	3,150	2,703	2,195	1,944	1,783	1,648	1,579	1,521	1,495	1,448	1,407	1,339	1,316	1,282	1,235	1,195	1,136	1,081	1,063	
	100,000	3,758	3,052	2,703	2,319	1,883	1,668	1,530	1,414	1,355	1,305	1,282	1,243	1,208	1,148	1,129	1,100	1,060	1,025	974	928	912	
*1-3/4 1-7/8 1-15/16 2	10,000	7,930	6,441	5,704	4,893	3,975	3,519	3,228	2,984	2,859	2,753	2,706	2,622	2,548	2,424	2,383	2,322	1,608	2,163	2,056	1,957		
	30,000	5,704	4,633	4,102	3,519	2,859	2,531	2,322	2,146	2,056	1,980	1,947	1,886	1,833	1,743	1,714	1,670	1,608	1,556	1,479	1,408		
	40,000	5,232	4,250	3,763	3,228	2,622	2,322	2,130	1,969	1,886	1,816	1,786	1,730	1,681	1,599	1,572	1,532	1,475	1,427	1,356	1,291		
	60,000	4,633	3,763	3,332	2,859	2,322	2,056	1,886	1,743	1,670	1,608	1,581	1,532	1,489	1,416	1,392	1,356	1,306	1,264	1,201	1,144		
	100,000	3,975	3,228	2,859	2,452	1,992	1,764	1,618	1,496	1,433	1,380	1,356	1,314	1,277	1,215	1,194	1,164	1,121	1,084	1,030	981		
2-3/16 to 2-1/4	10,000	9,733	7,905	7,000	6,005	4,878	4,319	3,962	3,662	3,508	3,379	3,322	3,218	3,127	2,975	2,925	2,050	2,745	2,655	2,523			
	30,000	7,000	5,686	5,035	4,319	3,508	3,106	2,850	2,634	2,523	2,430	2,389	2,315	2,249	2,139	2,104	2,050	1,974	1,909	1,815			
	40,000	6,421	5,216	4,618	3,962	3,218	2,850	2,614	2,416	2,315	2,229	2,191	2,123	2,063	1,963	1,930	1,880	1,811	1,751	1,665			
	60,000	5,686	4,618	4,089	3,508	2,850	2,523	2,315	2,139	2,050	1,974	1,940	1,880	1,827	1,738	1,709	1,665	1,603	1,551	1,474			
	100,000	4,878	3,962	3,508	3,010	2,445	2,165	1,986	1,835	1,758	1,694	1,665	1,613	1,567	1,491	1,466	1,428	1,376	1,330	1,265			
*2-1/4 2-3/8 2-7/16 2-1/2	10,000	14058	11419	10111	8674	7046	6239	5723	5290	5068	4881	4798	4649	4518	4297	4225	4116	3964	3834				
	30,000	10111	8213	7272	6239	5068	4487	4116	3805	3645	3510	3451	3343	3249	3090	3039	2960	2851	2758				
	40,000	9275	7534	6671	5723	4649	4116	3776	3490	3343	3220	3165	3067	2980	2835	2787	2716	2616	2530				
	60,000	8213	6671	5907	5068	4116	3645	3343	3090	2960	2851	2803	2716	2639	2510	2468	2405	2316	2240				
	100,000	7046	5723	5068	4348	3531	3127	2868	2651	2540	2446	2405	2330	2264	2153	2118	2063	1987	1922				
2-11/16 to 3	10,000	14,959	12,151	10,759	9,230	7,497	6,639	6,090	5,629	5,392	5,194	5,105	4,946	3,457	4,572	4,496	4,380	4,219					
	30,000	10,759	8,739	7,738	6,639	5,392	4,775	4,380	4,048	3,878	3,735	3,672	3,558	3,457	3,288	3,233	3,150	3,034					
	40,000	9,870	8,017	7,098	6,090	4,946	4,380	4,018	3,714	3,558	3,427	3,368	3,263	3,171	3,016	2,966	2,890	2,783					
	60,000	8,739	7,098	6,285	5,392	4,380	3,878	3,558	3,288	3,150	3,034	2,982	2,890	2,808	2,671	2,626	2,559	2,464					
	100,000	7,497	6,090	5,392	4,626	3,758	3,327	3,052	2,821	2,703	2,603	2,559	2,479	2,409	2,291	2,253	2,195	2,114					
3-3/16 to 3-1/2	10,000	23,611	19,178	16,981	14,569	11,833	10,478	9,612	8,884	8,511	8,197	5,795	7,807	7,587	7,216								
	30,000	16,981	13,793	12,213	10,478	8,511	7,536	6,913	6,390	6,121	5,896	5,795	5,615	5,457	5,190								
	40,000	15,577	12,653	11,203	9,612	7,807	6,913	6,341	5,861	5,615	5,408	5,316	5,151	5,006	4,761								
	60,000	13,793	11,203	9,920	8,511	6,913	6,121	5,615	5,190	4,972	4,789	4,707	4,561	4,432	4,216								
	100,000	11,833	9,612	8,511	7,302	5,931	5,251	4,817	4,453	4,266	4,108	4,038	3,913	3,803	3,617								

Only the labyrinth seal (L seal) may be used to the right of the heavy line.

For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the L10 shown at the left.

Applications in the light shaded area may require a high temperature lubrication, consult Dodge Engineering at (864) 297-4800

* IMPERIAL - Type E Dimensional Housing

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL DIMENSIONS PAGE B10-20

IMPERIAL - IP and SAF Spherical Roller Bearing

Table 2: Allowable Equivalent Radial Load Rating (lbs) at Various Revolutions per Minute (continued)

Size	L10 Life	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																				
Inches	Hours	50	100	150	250	500	750	1,000	1,300	1,500	1,700	1,800	2,000	2,200	2,600	2,750	3,000	3,400	3,800	4,500	5,300	5600	6000
3-11/16 to 4	10,000	29,919	24,302	21,518	18,461	14,995	13,278	12,180	11,258	7,757	10,387	10,211	9,893	9,614									
	30,000	21,518	17,478	15,476	13,278	10,785	9,549	8,760	8,097	7,757	7,471	7,344	7,115	6,915									
	40,000	19,739	16,033	14,197	12,180	9,893	8,760	8,036	7,427	7,115	6,853	6,737	6,527	6,343									
	60,000	17,478	14,197	12,571	10,785	8,760	7,757	7,115	6,577	6,300	6,068	5,965	5,779	5,616									
	100,000	14,995	12,180	10,785	9,252	7,515	6,655	6,104	5,642	5,405	5,206	5,117	4,958	4,818									
4-7/16 to 4-1/2	10,000	37,489	30,450	26,963	23,132	18,789	16,637	15,261	10,145	13,513	13,015	12,794	12,396										
	30,000	26,963	21,901	19,392	16,637	13,513	11,966	10,976	10,145	9,719	9,361	9,202	8,915										
	40,000	24,733	20,090	17,789	15,261	12,396	10,976	10,069	9,307	8,915	8,587	8,441	8,178										
	60,000	21,901	17,789	15,751	13,513	10,976	9,719	8,915	8,241	7,894	7,603	7,474	7,242										
	100,000	18,789	15,261	13,513	11,593	9,417	8,338	7,649	7,070	6,773	6,523	6,412	6,213										
4-15/16 to 5	10,000	52,628	42,747	37,851	32,473	26,377	23,356	15,409	19,803	18,971	18,272	17,961											
	30,000	37,851	30,745	27,224	23,356	18,971	16,798	15,409	14,243	13,644	13,141	12,918											
	40,000	34,722	28,203	24,973	21,424	17,402	15,409	14,135	13,065	12,516	12,055	11,850											
	60,000	30,745	24,973	22,112	18,971	15,409	13,644	12,516	11,569	11,082	10,674	10,493											
	100,000	26,377	21,424	18,971	16,275	13,220	11,706	10,738	9,925	9,508	9,157	9,002											
5-7/16 to 5-1/2	10,000	59,838	48,603	43,037	36,922	29,990	26,555	17,520	22,516	21,569	20,775												
	30,000	43,037	34,957	30,953	26,555	21,569	19,099	17,520	16,194	15,513	14,942												
	40,000	39,478	32,066	28,394	24,359	19,786	17,520	16,071	14,855	14,230	13,706												
	60,000	34,957	28,394	25,142	21,569	17,520	15,513	14,230	13,153	12,601	12,136												
	100,000	29,990	24,359	21,569	18,505	15,031	13,309	12,209	11,284	10,810	10,412												
5-15/16 to 6	10,000	79,303	64,414	57,036	48,933	39,746	25,312	32,283	29,840	28,586													
	30,000	57,036	46,328	41,022	35,193	28,586	25,312	23,219	21,462	20,560													
	40,000	52,320	42,497	37,630	32,283	26,222	23,219	21,299	19,687	18,860													
	60,000	46,328	37,630	33,320	28,586	23,219	20,560	18,860	17,432	16,700													
	100,000	39,746	32,283	28,586	24,524	19,920	17,638	16,180	14,955	14,327													
6-7/16 to 7	10,000	93,722	76,126	67,407	57,829	46,972	29,914	38,153	35,265														
	30,000	67,407	54,751	48,480	41,592	33,783	29,914	27,441	25,364														
	40,000	61,833	50,224	44,472	38,153	30,990	27,441	25,172	23,266														
	60,000	54,751	44,472	39,378	33,783	27,441	24,298	22,289	20,602														
	100,000	46,972	38,153	33,783	28,983	23,542	20,845	19,122	17,675														

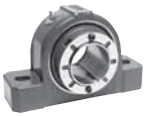
Only the labyrinth seal (L seal) may be used to the right of the heavy line.

For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the L10 shown at the left.

Applications in the light shaded area may require a high temperature lubrication, consult Dodge Engineering at (864) 284-5700.

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL DIMENSIONS PAGE B10-20

SELECTION



IMPERIAL - IP Spherical Roller Bearings

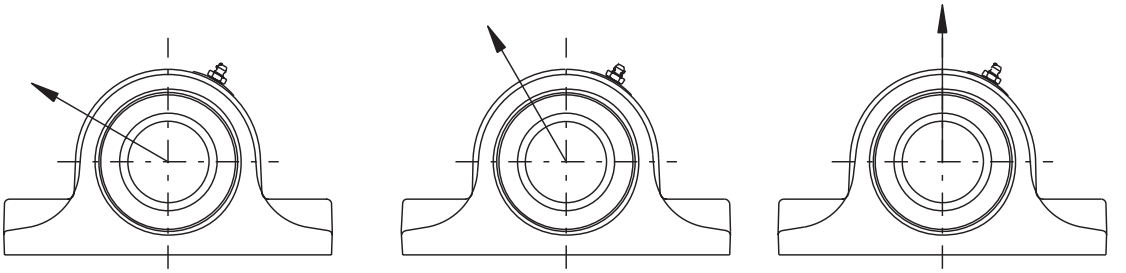


Table 3: IMPERIAL-IP 2-Bolt Pillow Block Housing Ratings*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120°	150°	180°
1-1/8 to 1-1/2	2110	2640	3100
1-5/8 to 1-3/4	2380	2980	3500
1-7/8 to 2	3130	3910	4600
2-3/16 to 2-1/4	3330	4160	4900
2-3/8 to 2-1/2	3330	4160	4900
2-11/16 to 3	4420	5520	6500
3-3/16 to 3-1/2	4620	5780	6800
3-11/16 to 4	7500	9350	11000

Table 4: IMPERIAL-IP 4-Bolt Pillow Housing Ratings*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120°	150°	180°
2-3/8 to 2-1/2	3810	4760	5600
2-11/16 to 3	4620	5780	6800
3-3/16 to 3-1/2	4700	5870	6900
3-11/16 to 4	7500	9350	11000
4-7/16 to 4-1/2	9900	12330	14500
4-15/16 to 5	13400	16750	19700

* When utilizing heavy cap loads on pillow block housings; the installation must adhere to the following procedures:

1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
3. In all cases where loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL DIMENSIONS PAGE B10-20

IMPERIAL - ISAF Spherical Roller Bearings

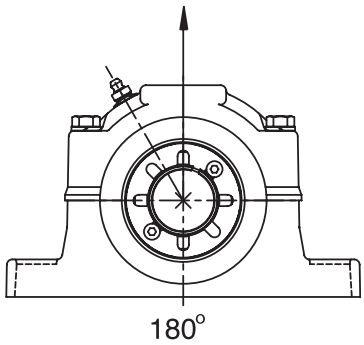


Table 5: ISAF Housing Rating*

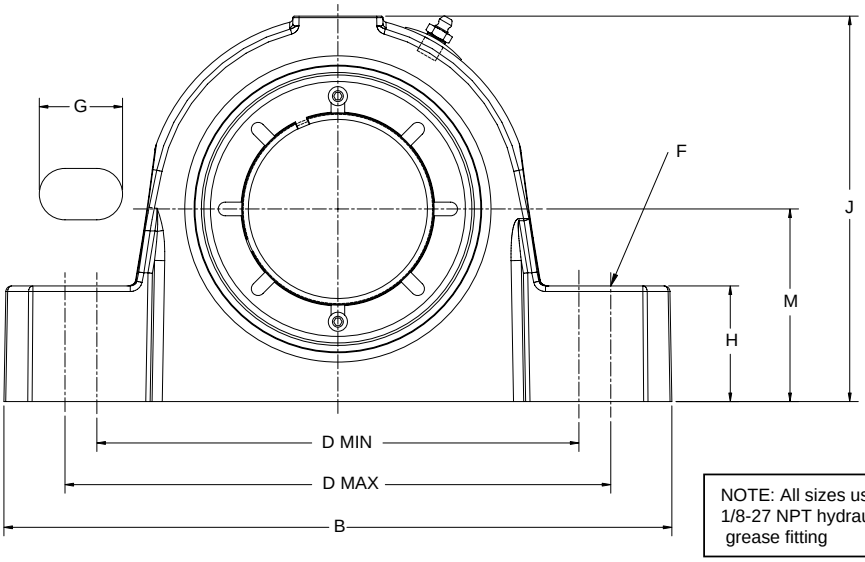
SHAFT SIZE (INCHES)	MAXIMUM RECOMMENDED HOUSING CAP LOADS, LBS
	180°
1-1/8 thru 1-1/2	4,600
1-5/8 thru 1-3/4	5,400
1-7/8 thru 2	7,875
2-3/16 thru 2-1/4	9,200
2-3/8 thru 2-1/2	9,220
2-11/16 thru 3	10,200
3-3/8 thru 3-1/2	14,700
3-11/16 thru 4	17,800
4-7/16 thru 4-1/2	18,300
4-15/16 thru 5	22,300
5-7/16 thru 5-1/2	25,100
5-15/16 thru 6	30,200
6-7/16 thru 7	35,300

* When utilizing heavy cap loads on pillow block housings; the installation must adhere to the following procedures:

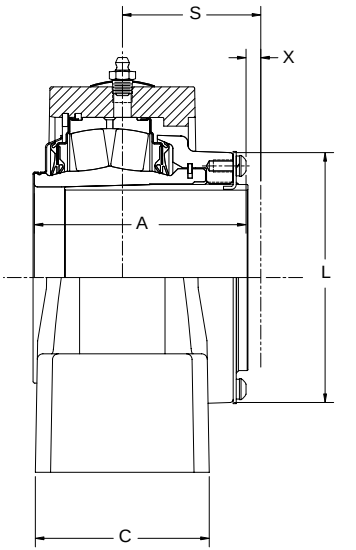
1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
3. In all cases where loads are heavy, the L_{10} life of the bearing should be checked for proper selection and life requirements.

DIMENSION

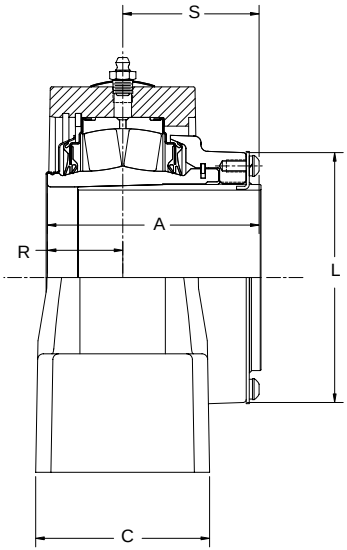
IMPERIAL - IP Pillow Block
1-1/8 THRU 2-1/4 INCH - 2-BOLT



NOTE: All sizes uses a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-22 for 2-3/8 - 4 inch

DODGE®

IMPERIAL - IP Pillow Block
1-1/8 THRU 2-1/4 INCH - 2-BOLT

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 1/8	**069400**	P2B-IP-102R	**069428**	P2B-IP-102RE	**069456**	P2B-IP-102L	**069484**	P2B-IP-102LE
	1 - 3/16	**069401**	P2B-IP-103R	**069429**	P2B-IP-103RE	**069457**	P2B-IP-103L	**069485**	P2B-IP-103LE
	1 - 1/4	**069402**	P2B-IP-104R	**069430**	P2B-IP-104RE	**069458**	P2B-IP-104L	**069486**	P2B-IP-104LE
	1 - 3/8	**069403**	P2B-IP-106R	**069431**	P2B-IP-106RE	**069459**	P2B-IP-106L	**069487**	P2B-IP-106LE
	1 - 7/16	**069404**	P2B-IP-107R	**069432**	P2B-IP-107RE	**069460**	P2B-IP-107L	**069488**	P2B-IP-107LE
	1 - 1/2	**069405**	P2B-IP-108R	**069433**	P2B-IP-108RE	**069461**	P2B-IP-108L	**069489**	P2B-IP-108LE
22209	1 - 5/8	**069406**	P2B-IP-110R	**069434**	P2B-IP-110RE	**069462**	P2B-IP-110L	**069490**	P2B-IP-110LE
	1 - 11/16	**069407**	P2B-IP-111R	**069435**	P2B-IP-111RE	**069463**	P2B-IP-111L	**069491**	P2B-IP-111LE
	1 - 3/4	**069408**	P2B-IP-112R	**069436**	P2B-IP-112RE	**069464**	P2B-IP-112L	**069492**	P2B-IP-112LE
22210	1-7/8	**069409**	P2B-IP-114R	**069437**	P2B-IP-114RE	**069465**	P2B-IP-114L	**069493**	P2B-IP-114LE
	1 - 15/16	**069410**	P2B-IP-115R	**069438**	P2B-IP-115RE	**069466**	P2B-IP-115L	**069494**	P2B-IP-115LE
	2	**069411**	P2B-IP-200R	**069439**	P2B-IP-200RE	**069467**	P2B-IP-200L	**069495**	P2B-IP-200LE
22211	2 - 3/16	**069412**	P2B-IP-203R	**069440**	P2B-IP-203RE	**069468**	P2B-IP-203L	**069496**	P2B-IP-203LE
	2 - 1/4	**069413**	P2B-IP-204R	**069441**	P2B-IP-204RE	**069469**	P2B-IP-204L	**069497**	P2B-IP-204LE

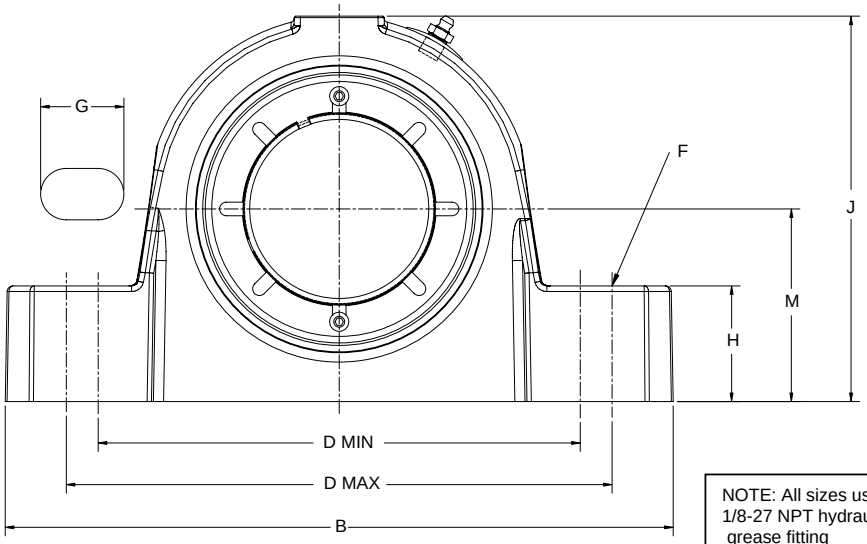
Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D		F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX									
1 - 1/8 1 - 3/16 1 - 1/4 1 - 3/8 1 - 7/16 1 - 1/2	2 - 5/8	6 - 7/8	1 - 61/64	4 - 13/16	5 - 13/64	1/2	13/16	1 - 1/8	3 - 7/8	2 - 23/32	1 - 7/8	7/8	1 - 3/4	3/16
1 - 5/8 1 - 11/16 1 - 3/4	2 - 13/16	7 - 3/8	2 - 1/16	5 - 5/16	5 - 45/64	1/2	13/16	1 - 1/4	4 - 17/64	3	2 - 1/8	13/16	2	1/4
1-7/8 1 - 15/16 2	2 - 55/64	8 - 3/8	2 - 1/2	6 - 1/16	6 - 7/16	5/8	61/64	1 - 5/16	4 - 9/16	3 - 9/32	2 - 1/4	55/64	2	1/4
2 - 3/16 2 - 1/4	3 - 1/32	8 - 7/8	2 -5/8	6 - 9/16	6 - 15/16	5/8	61/64	1 - 1/2	5	3 - 1/2	2 - 1/2	29/32	2 - 1/8	1/4

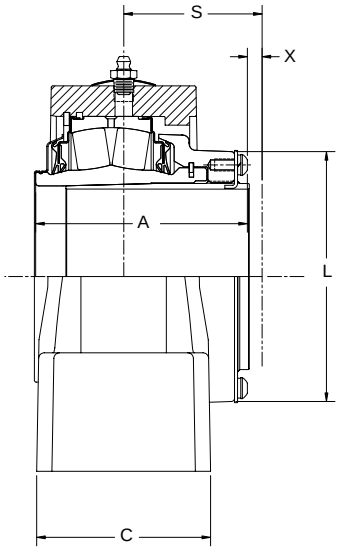
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

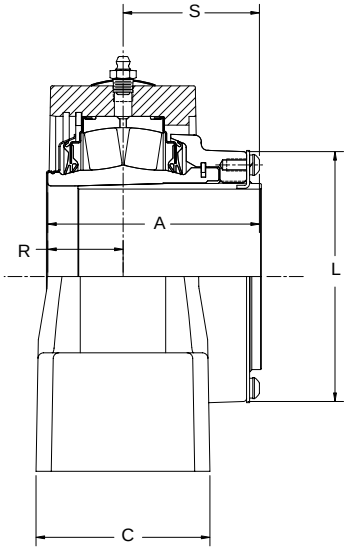
IMPERIAL - IP Pillow Block
2-3/8 THRU 4 INCH - 2-BOLT



NOTE: All sizes uses a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-20 for 1-1/8 thru 2-1/4 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Pillow Block
2-3/8 THRU 4 INCH - 2-BOLT

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-3/8	**069414**	P2B-IP-206R	**069442**	P2B-IP-206RE	**069470**	P2B-IP-206L	**069498**	P2B-IP-206LE
	2 - 7/16	**069415**	P2B-IP-207R	**069443**	P2B-IP-207RE	**069471**	P2B-IP-207L	**069499**	P2B-IP-207LE
	2 - 1/2	**069416**	P2B-IP-208R	**069444**	P2B-IP-208RE	**069472**	P2B-IP-208L	**069500**	P2B-IP-208LE
22215	2 - 11/16	**069417**	P2B-IP-211R	**069445**	P2B-IP-211RE	**069473**	P2B-IP-211L	**069501**	P2B-IP-211LE
	2-3/4	**069418**	P2B-IP-212R	**069446**	P2B-IP-212RE	**069474**	P2B-IP-212L	**069502**	P2B-IP-212LE
	2 - 15/16	**069419**	P2B-IP-215R	**069447**	P2B-IP-215RE	**069475**	P2B-IP-215L	**069503**	P2B-IP-215LE
	3	**069420**	P2B-IP-300R	**069448**	P2B-IP-300RE	**069476**	P2B-IP-300L	**069504**	P2B-IP-300LE
22218	3 - 3/16	**069421**	P2B-IP-303R	**069449**	P2B-IP-303RE	**069477**	P2B-IP-303L	**069505**	P2B-IP-303LE
	3-1/4	**069422**	P2B-IP-304R	**069450**	P2B-IP-304RE	**069478**	P2B-IP-304L	**069506**	P2B-IP-304LE
	3 - 7/16	**069423**	P2B-IP-307R	**069451**	P2B-IP-307RE	**069479**	P2B-IP-307L	**069507**	P2B-IP-307LE
	3 - 1/2	**069424**	P2B-IP-308R	**069452**	P2B-IP-308RE	**069480**	P2B-IP-308L	**069508**	P2B-IP-308LE
22220	3 - 11/16	**069425**	P2B-IP-311R	**069453**	P2B-IP-311RE	**069481**	P2B-IP-311L	**069509**	P2B-IP-311LE
	3 - 15/16	**069426**	P2B-IP-315R	**069454**	P2B-IP-315RE	**069482**	P2B-IP-315L	**069510**	P2B-IP-315LE
	4	**069427**	P2B-IP-400R	**069455**	P2B-IP-400RE	**069483**	P2B-IP-400L	**069511**	P2B-IP-400LE

Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D		F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX									
2-3/8 2 - 7/16 2 - 1/2	3 - 27/64	9 - 1/4	2 - 55/64	6 - 15/16	7 - 5/16	5/8	61/64	1 - 5/8	5 - 19/32	3 - 7/8	2 - 3/4	1 - 13/64	2 - 7/32	1/4
2 - 11/16 2-3/4 2 - 15/16 3	3 - 1/2	10 - 7/16	3 - 5/64	7 - 15/16	8 - 5/16	3/4	1 - 1/16	1 - 7/8	6 - 3/8	4 - 9/32	3 - 1/4	1 - 15/64	2 - 17/64	1/4
3 - 3/16 3-1/4 3 - 7/16 3 - 1/2	4 - 11/64	13	3 - 27/64	9 - 3/8	10 - 5/8	7/8	1 - 5/8	2 - 1/4	7 - 1/2	5	3 - 3/4	1 - 31/64	2 - 11/16	1/4
3 - 11/16 3 - 15/16 4	4 - 45/64	15 - 1/4	3 - 29/32	10 - 5/8	12 - 7/8	1	2 - 1/4	2 - 7/16	8 - 3/8	5 - 9/16	4 - 1/4	1 - 41/64	3 - 1/16	5/16

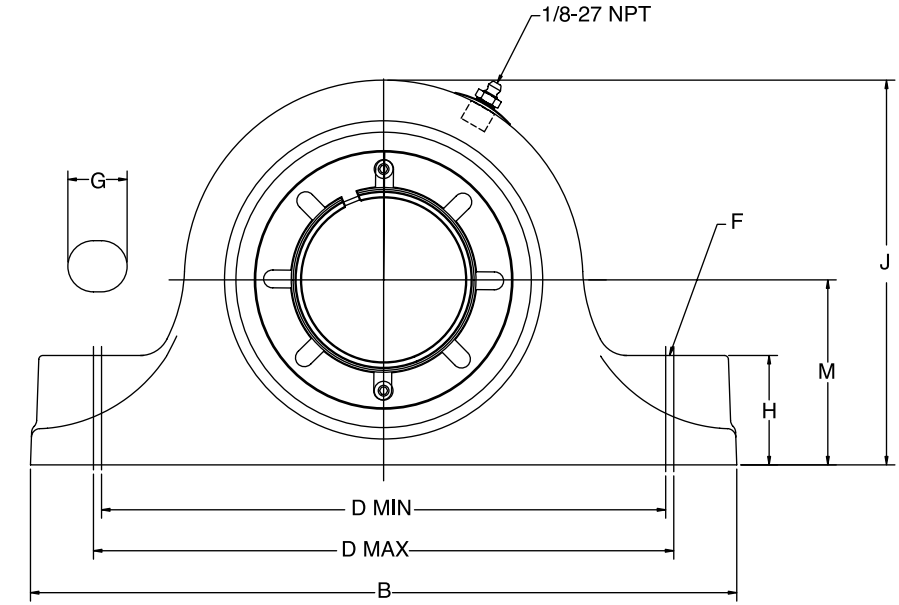
IMPERIAL FEATURES PAGE B10-3 | IMPERIAL SPECIFICATION PAGE B10-6 | IMPERIAL NOMENCLATURE PAGE B10-9 | IMPERIAL SELECTION PAGE B10-12

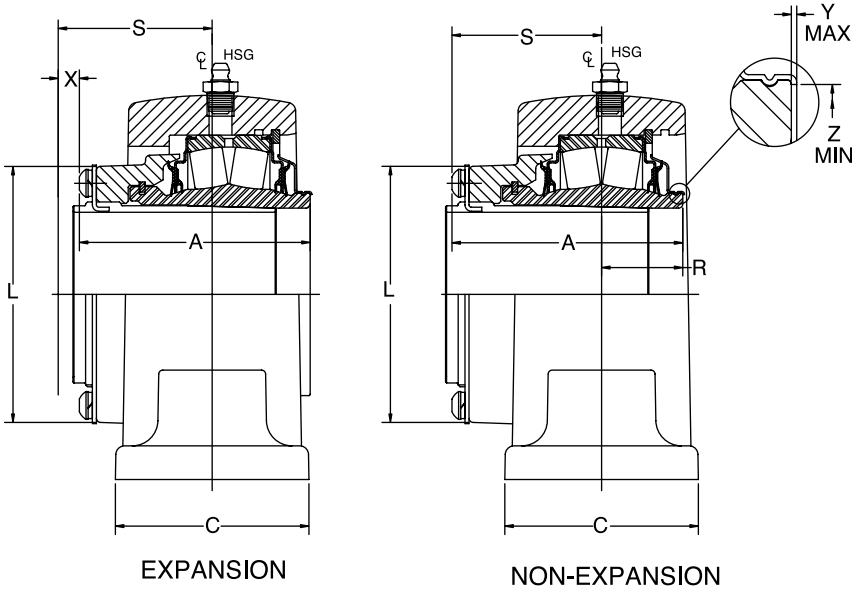
DIMENSION

DODGE®

IMPERIAL - IP Pillow Block with Type E Dimensions

1-3/8 THRU 2-3/16 INCH 2-BOLT





NOTE: See page B10-26 for 2-1/4 thru 3-1/2 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Pillow Block with Type E Dimensions
1-3/8 THRU 2-3/16 INCH 2-BOLT

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**071120**	EP2B-IP-106R	**071141**	EP2B-IP-106RE	**071162**	EP2B-IP-106L	**071183**	EP2B-IP-106LE
	1-7/16	**071121**	EP2B-IP-107R	**071142**	EP2B-IP-107RE	**071163**	EP2B-IP-107L	**071184**	EP2B-IP-107LE
22209	1-1/2	**071122**	EP2B-IP-108R	**071143**	EP2B-IP-108RE	**071164**	EP2B-IP-108L	**071185**	EP2B-IP-108LE
	1-5/8	**071123**	EP2B-IP-110R	**071144**	EP2B-IP-110RE	**071165**	EP2B-IP-110L	**071186**	EP2B-IP-110LE
	1-11/16	**071124**	EP2B-IP-111R	**071145**	EP2B-IP-111RE	**071166**	EP2B-IP-111L	**071187**	EP2B-IP-111LE
22210	1-3/4	**071125**	EP2B-IP-112R	**071146**	EP2B-IP-112RE	**071167**	EP2B-IP-112L	**071188**	EP2B-IP-112LE
	1-7/8	**071126**	EP2B-IP-114R	**071147**	EP2B-IP-114RE	**071168**	EP2B-IP-114L	**071189**	EP2B-IP-114LE
	1-15/16	**071127**	EP2B-IP-115R	**071148**	EP2B-IP-115RE	**071169**	EP2B-IP-115L	**071190**	EP2B-IP-115LE
	2	**071128**	EP2B-IP-200R	**071149**	EP2B-IP-200RE	**071170**	EP2B-IP-200L	**071191**	EP2B-IP-200LE
22211	2-3/16	**071129**	EP2B-IP-203R	**071150**	EP2B-IP-203RE	**071171**	EP2B-IP-203L	**071192**	EP2B-IP-203LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B #	C #	D		F BOLT DIA.	G #	H #	J #	L	M	R	S	X TOTAL EXP.	Y	Z
				MIN	MAX											
1-3/8 1-7/16	2.63	7.37	2.12	5.63	5.88	1/2	0.75	1.13	3.85	2.72	1.875	1.04	1.59	0.16	0.020	1.80
1-1/2 1-5/8 1-11/16	2.81	7.88	2.38	6.13	6.38	1/2	0.75	1.25	4.25	3.00	2.125	0.98	1.83	0.19	0.020	2.08
1-3/4 1-7/8 1-15/16 2	2.86	8.87	2.49	6.88	7.12	5/8	0.88	1.31	4.47	3.28	2.250	1.10	1.76	0.22	0.020	2.30
2-3/16	3.03	9.62	2.56	7.63	7.88	5/8	0.88	1.50	5.00	3.50	2.500	1.06	1.97	0.25	0.025	2.60

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

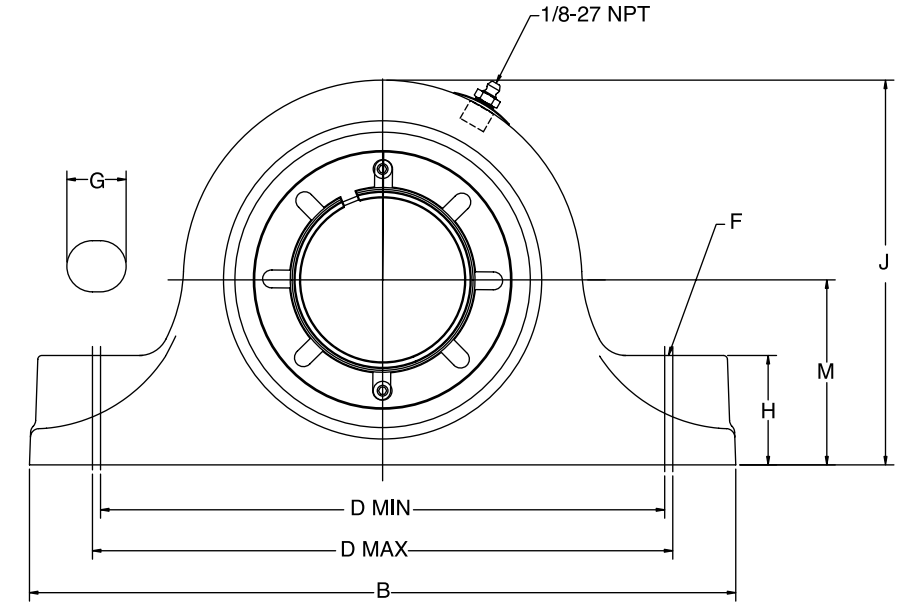
REFERENCE DIMENSION ONLY

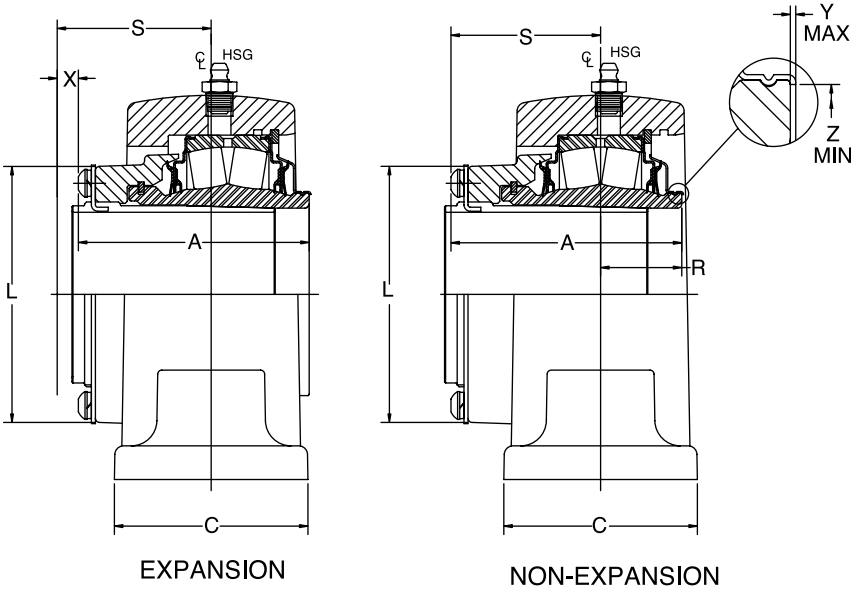
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

IMPERIAL - IP Pillow Block with Type E Dimensions

2-1/4 THRU 3-1/2 INCH 2-BOLT





NOTE: See page B10-24 for 1-3/8 thru 2-3/16 inch

DODGE®

IMPERIAL - IP Pillow Block with Type E Dimensions
2-1/4 THRU 3-1/2 INCH 2-BOLT

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth SEAL			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-1/4	**071130**	EP2B-IP-204R	**071151**	EP2B-IP-204RE	**071172**	EP2B-IP-204L	**071193**	EP2B-IP-204LE
	2-7/16	**071131**	EP2B-IP-207R	**071152**	EP2B-IP-207RE	**071173**	EP2B-IP-207L	**071194**	EP2B-IP-207LE
	2-1/2	**071132**	EP2B-IP-208R	**071153**	EP2B-IP-208RE	**071174**	EP2B-IP-208L	**071195**	EP2B-IP-208LE
22215	2-11/16	**071133**	EP2B-IP-211R	**071154**	EP2B-IP-211RE	**071175**	EP2B-IP-211L	**071196**	EP2B-IP-211LE
	2-3/4	**071134**	EP2B-IP-212R	**071155**	EP2B-IP-212RE	**071176**	EP2B-IP-212L	**071197**	EP2B-IP-212LE
	2-15/16	**071135**	EP2B-IP-215R	**071156**	EP2B-IP-215RE	**071177**	EP2B-IP-215L	**071198**	EP2B-IP-215LE
	3	**071136**	EP2B-IP-300R	**071157**	EP2B-IP-300RE	**071178**	EP2B-IP-300L	**071199**	EP2B-IP-300LE
22218	3-3/16	**071137**	EP2B-IP-303R	**071158**	EP2B-IP-303RE	**071179**	EP2B-IP-303L	**071200**	EP2B-IP-303LE
	3-1/4	**071138**	EP2B-IP-304R	**071159**	EP2B-IP-304RE	**071180**	EP2B-IP-304L	**071201**	EP2B-IP-304LE
	3-7/16	**071139**	EP2B-IP-307R	**071160**	EP2B-IP-307RE	**071181**	EP2B-IP-307L	**071202**	EP2B-IP-307LE
	3-1/2	**071140**	EP2B-IP-308R	**071161**	EP2B-IP-308RE	**071182**	EP2B-IP-308L	**071203**	EP2B-IP-308LE

*CONSULT DODGE FOR SIZES NOT LISTED

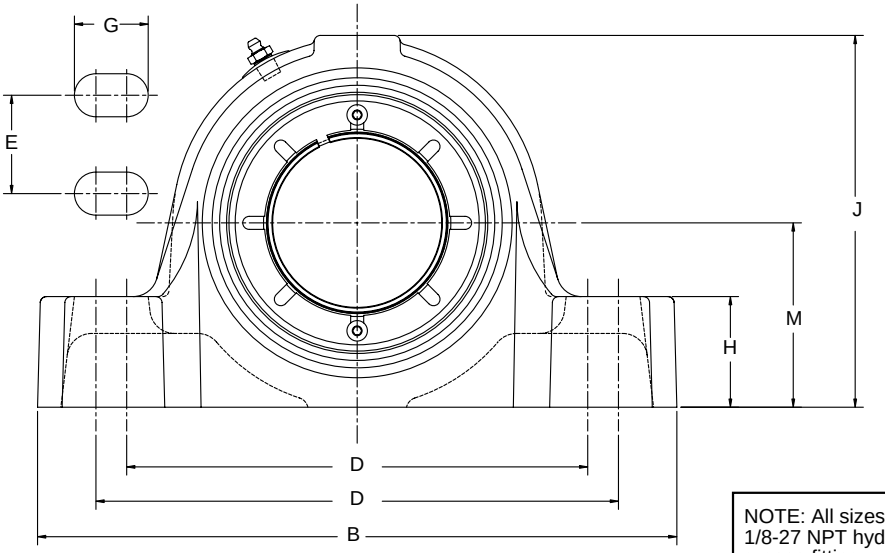
SHAFT SIZE	A	B #	C #	D		F BOLT DIA.	G #	H #	J #	L	M	R	S	X TOTAL EXP.	Y	Z
				MIN	MAX											
2-1/4 2-7/16 2-1/2	3.42	10.50	2.87	8.38	8.62	5/8	0.88	1.63	5.71	3.88	2.750	1.20	2.22	0.25	0.025	2.95
2-11/16 2-3/4 2-15/16 3	3.50	12.00	2.99	9.31	9.69	3/4	1.07	1.88	6.32	4.28	3.125	1.35	2.15	0.25	0.025	3.47
3-3/16 3-1/4 3-7/16 3-1/2	4.17	14.00	3.49	10.81	11.19	7/8	1.19	2.25	7.69	5.00	3.750	1.51	2.66	0.25	0.025	4.05

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION
REFERENCE DIMENSION ONLY

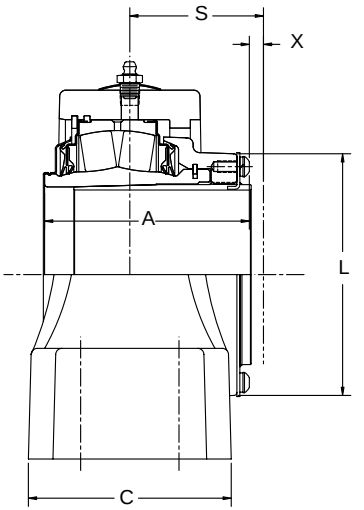
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

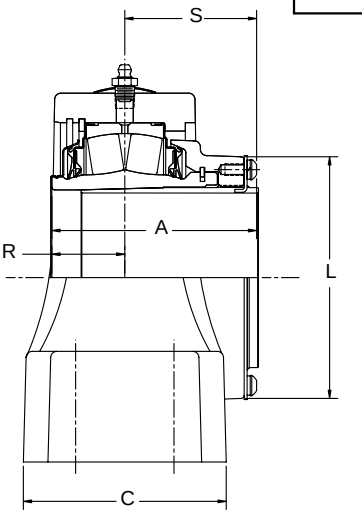
IMPERIAL - IP Pillow Block
2-3/8 THRU 3-1/2 INCH - 4-BOLT



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-30 for 3-11/16 thru 5 inch

DODGE®

IMPERIAL - IP Pillow Block
2-3/8 THRU 3-1/2 INCH - 4-BOLT

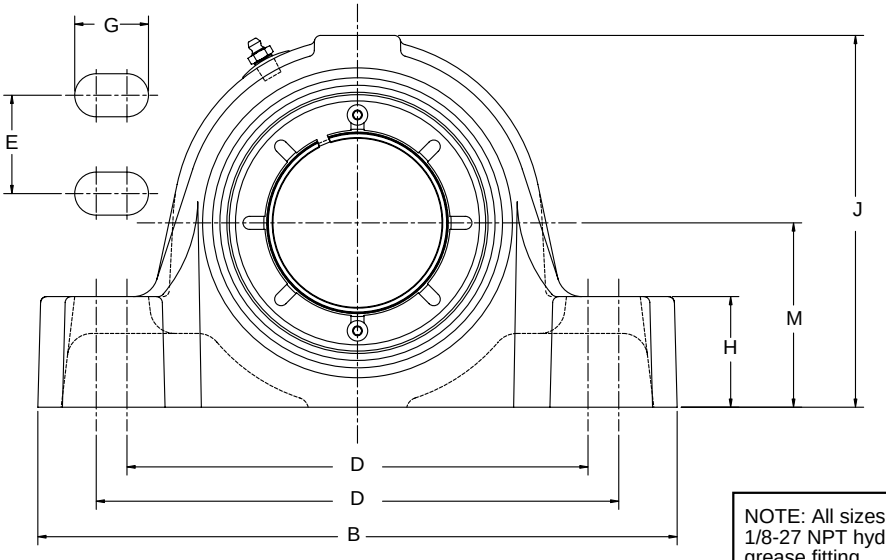
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2 - 3/8	**069520**	P4B-IP-206R	**069538**	P4B-IP-206RE	**069556**	P4B-IP-206L	**069574**	P4B-IP-206LE
	2 - 7/16	**069521**	P4B-IP-207R	**069539**	P4B-IP-207RE	**069557**	P4B-IP-207L	**069575**	P4B-IP-207LE
	2 - 1/2	**069522**	P4B-IP-208R	**069540**	P4B-IP-208RE	**069558**	P4B-IP-208L	**069576**	P4B-IP-208LE
22215	2 - 11/16	**069523**	P4B-IP-211R	**069541**	P4B-IP-211RE	**069559**	P4B-IP-211L	**069577**	P4B-IP-211LE
	2 - 3/4	**069524**	P4B-IP-212R	**069542**	P4B-IP-212RE	**069560**	P4B-IP-212L	**069578**	P4B-IP-212LE
	2 - 15/16	**069525**	P4B-IP-215R	**069543**	P4B-IP-215RE	**069561**	P4B-IP-215L	**069579**	P4B-IP-215LE
	3	**069526**	P4B-IP-300R	**069544**	P4B-IP-300RE	**069562**	P4B-IP-300L	**069580**	P4B-IP-300LE
22218	3 - 3/16	**069527**	P4B-IP-303R	**069545**	P4B-IP-303RE	**069563**	P4B-IP-303L	**069581**	P4B-IP-303LE
	3 - 1/4	**069528**	P4B-IP-304R	**069546**	P4B-IP-304RE	**069564**	P4B-IP-304L	**069582**	P4B-IP-304LE
	3 - 7/16	**069529**	P4B-IP-307R	**069547**	P4B-IP-307RE	**069565**	P4B-IP-307L	**069583**	P4B-IP-307LE
	3 - 1/2	**069530**	P4B-IP-308R	**069548**	P4B-IP-308RE	**069566**	P4B-IP-308L	**069584**	P4B-IP-308LE

Metric shaft sizes available upon request

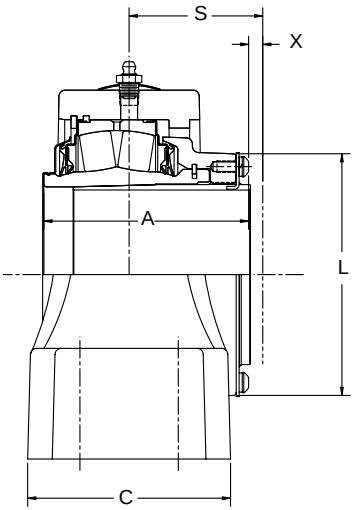
SHAFT SIZE	A	B	C	D		E	F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX										
2 - 3/8 2 - 7/16 2 - 1/2	3 - 27/64	9 - 1/4	3 - 3/8	6 - 15/16	7 - 5/16	1 - 3/4	1/2	13/16	1 - 5/8	5 - 19/32	3 - 7/8	2 - 3/4	1 - 5/64	2 - 11/32	1/4
2 - 11/16 2 - 3/4 2 - 15/16 3	3 - 1/2	10 - 7/16	3 - 3/4	7 - 15/16	8 - 5/16	1 - 7/8	5/8	15/16	1 - 7/8	6 - 7/16	4 - 9/32	3 - 1/4	1 - 3/32	2 - 13/32	1/4
3 - 3/16 3 - 1/4 3 - 7/16 3 - 1/2	4 - 11/64	13	4 - 1/8	9 - 3/8	10 - 5/8	2	3/4	1 - 1/2	2 - 1/4	7 - 9/16	5	3 - 3/4	1 - 7/16	2 - 47/64	1/4

DIMENSION

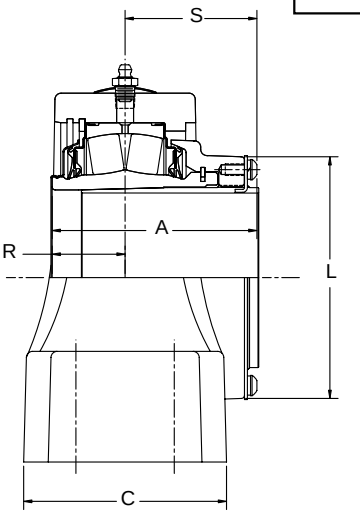
IMPERIAL - IP Pillow Block
3-11/16 THRU 5 INCH - 4-BOLT



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-25 for 2-3/8 thru 3-1/2 inch

DODGE®

IMPERIAL - IP Pillow Block
3-11/16 THRU 5 INCH - 4-BOLT

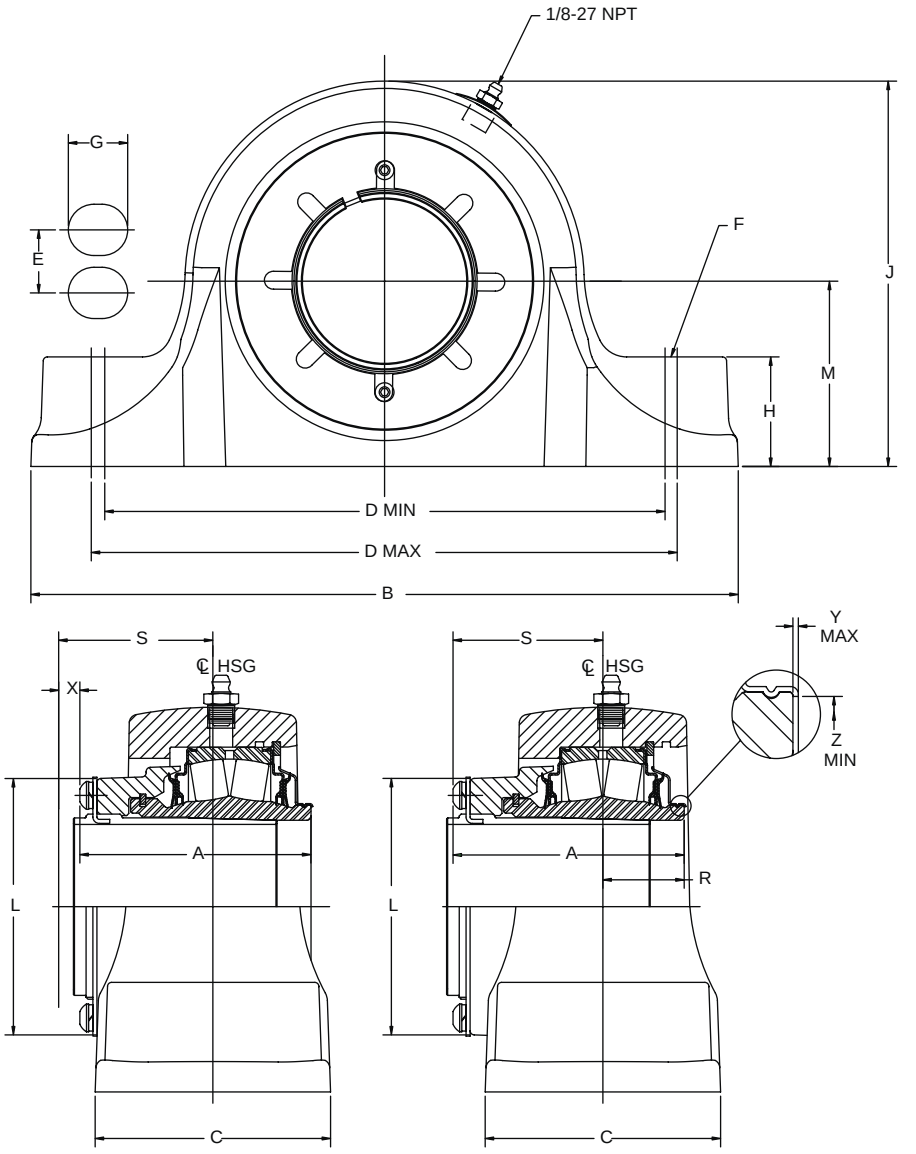
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22220	3 - 11/16	**069531**	P4B-IP-311R	**069549**	P4B-IP-311RE	**069567**	P4B-IP-311L	**069585**	P4B-IP-311LE
	3 - 15/16	**069532**	P4B-IP-315R	**069550**	P4B-IP-315RE	**069568**	P4B-IP-315L	**069586**	P4B-IP-315LE
	4	**069533**	P4B-IP-400R	**069551**	P4B-IP-400RE	**069569**	P4B-IP-400L	**069587**	P4B-IP-400LE
22222	4 - 7/16	**069534**	P4B-IP-407R	**069552**	P4B-IP-407RE	**069570**	P4B-IP-407L	**069588**	P4B-IP-407LE
	4 - 1/2	**069535**	P4B-IP-408R	**069553**	P4B-IP-408RE	**069571**	P4B-IP-408L	**069589**	P4B-IP-408LE
22226	4 - 15/16	**069536**	P4B-IP-415R	**069554**	P4B-IP-415RE	**069572**	P4B-IP-415L	**069590**	P4B-IP-415LE
	5	**069537**	P4B-IP-500R	**069555**	P4B-IP-500RE	**069573**	P4B-IP-500L	**069591**	P4B-IP-500LE

Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D		E	F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX										
3 - 11/16 3 - 15/16 4	4 - 45/64	15 - 1/4	4 - 1/2	12 - 1/8	12 - 7/8	2 - 1/4	3/4	1 - 1/4	2 - 7/16	8 - 7/16	5 - 9/16	4 - 1/4	1 - 41/64	3 - 1/16	5/16
4 - 7/16 4 - 1/2	5 - 15/64	16 - 1/2	4 - 3/4	13	14	2 - 1/2	3/4	1 - 3/8	2 - 3/4	9 - 5/8	6 - 7/16	4 - 3/4	1 - 3/4	3 - 31/64	3/8
4 - 15/16 5	5 - 63/64	18 - 5/8	5 - 3/8	15	16	2 - 3/4	7/8	1 - 1/2	3	11 - 1/8	7 - 5/8	5 - 1/2	1 - 29/32	4 - 5/64	3/8

DIMENSION

IMPERIAL - IP Pillow Block with Type E Dimensions
2-1/4 THRU 7 INCH - 4-BOLT



IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Pillow Block with Type E Dimensions

2-1/4 THRU 7 INCH - 4-BOLT

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-1/4	**071204**	EP4B-IP-204R	**071221**	EP4B-IP-204RE	**071238**	EP4B-IP-204L	**071255**	EP4B-IP-204LE
	2-7/16	**071205**	EP4B-IP-207R	**071222**	EP4B-IP-207RE	**071239**	EP4B-IP-207L	**071256**	EP4B-IP-207LE
	2-1/2	**071206**	EP4B-IP-208R	**071223**	EP4B-IP-208RE	**071240**	EP4B-IP-208L	**071257**	EP4B-IP-208LE
22215	2-11/16	**071207**	EP4B-IP-211R	**071224**	EP4B-IP-211RE	**071241**	EP4B-IP-211L	**071258**	EP4B-IP-211LE
	2-3/4	**071208**	EP4B-IP-212R	**071225**	EP4B-IP-212RE	**071242**	EP4B-IP-212L	**071259**	EP4B-IP-212LE
	2-15/16	**071209**	EP4B-IP-215R	**071226**	EP4B-IP-215RE	**071243**	EP4B-IP-215L	**071260**	EP4B-IP-215LE
	3	**071210**	EP4B-IP-300R	**071227**	EP4B-IP-300RE	**071244**	EP4B-IP-300L	**071261**	EP4B-IP-300LE
22218	3-3/16	**071211**	EP4B-IP-303R	**071228**	EP4B-IP-303RE	**071245**	EP4B-IP-303L	**071262**	EP4B-IP-303LE
	3-1/4	**071212**	EP4B-IP-304R	**071229**	EP4B-IP-304RE	**071246**	EP4B-IP-304L	**071263**	EP4B-IP-304LE
	3-7/16	**071213**	EP4B-IP-307R	**071230**	EP4B-IP-307RE	**071247**	EP4B-IP-307L	**071264**	EP4B-IP-307LE
	3-1/2	**071214**	EP4B-IP-308R	**071231**	EP4B-IP-308RE	**071248**	EP4B-IP-308L	**071265**	EP4B-IP-308LE
22220	3-15/16	**071215**	EP4B-IP-315R	**071232**	EP4B-IP-315RE	**071249**	EP4B-IP-315L	**071266**	EP4B-IP-315LE
	4	**071216**	EP4B-IP-400R	**071233**	EP4B-IP-400RE	**071250**	EP4B-IP-400L	**071267**	EP4B-IP-400LE
22222	4-7/16	**071217**	EP4B-IP-407R	**071234**	EP4B-IP-407RE	**071251**	EP4B-IP-407L	**071268**	EP4B-IP-407LE
	4-1/2	**071218**	EP4B-IP-408R	**071235**	EP4B-IP-408RE	**071252**	EP4B-IP-408L	**071269**	EP4B-IP-408LE
22226	4-15/16	**071219**	EP4B-IP-415R	**071236**	EP4B-IP-415RE	**071253**	EP4B-IP-415L	**071270**	EP4B-IP-415LE
	5	**071220**	EP4B-IP-500R	**071237**	EP4B-IP-500RE	**071254**	EP4B-IP-500L	**071271**	EP4B-IP-500LE
22228	5-7/16	**071610**	EP4B-IP-507R	**071618**	EP4B-IP-507RE	**071626**	EP4B-IP-507L	**071634**	EP4B-IP-507LE
	5-1/2	**071611**	EP4B-IP-508R	**071619**	EP4B-IP-508RE	**071627**	EP4B-IP-508L	**071635**	EP4B-IP-508LE
22232	5-15/16	**071612**	EP4B-IP-515R	**071620**	EP4B-IP-515RE	**071628**	EP4B-IP-515L	**071636**	EP4B-IP-515LE
	6	**071613**	EP4B-IP-600R	**071621**	EP4B-IP-600RE	**071629**	EP4B-IP-600L	**071637**	EP4B-IP-600LE
22236	6-7/16	**071614**	EP4B-IP-607R	**071622**	EP4B-IP-607RE	**071630**	EP4B-IP-607L	**071638**	EP4B-IP-607LE
	6-1/2	**071615**	EP4B-IP-608R	**071623**	EP4B-IP-608RE	**071631**	EP4B-IP-608L	**071639**	EP4B-IP-608LE
	6-15/16	**071616**	EP4B-IP-615R	**071624**	EP4B-IP-615RE	**071632**	EP4B-IP-615L	**071640**	EP4B-IP-615LE
	7	**071617**	EP4B-IP-700R	**071625**	EP4B-IP-700RE	**071633**	EP4B-IP-700L	**071641**	EP4B-IP-700LE

*CONSULT DODGE FOR SIZES NOT LISTED

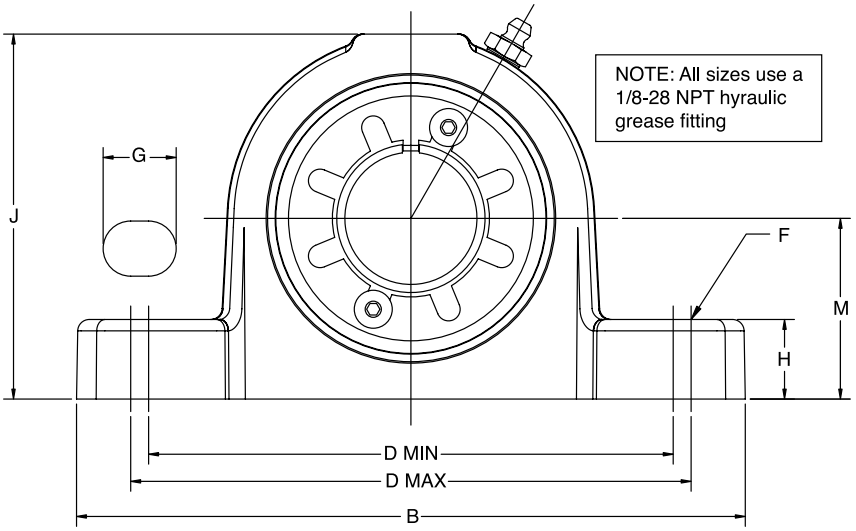
SHAFT SIZE	A	B#	C#	D		E	F BOLT DIA.	G#	H#	J#	L	M	R	S	X TOTAL EXP.	Y	Z
				MIN	MAX												
2-1/4 2-7/16 2-1/2	3.42	10.50	3.49	8.31	8.69	1.87	5/8	0.87	1.63	5.72	3.88	2.750	1.21	2.21	0.25	0.025	2.94
2-11/16 2-3/4 2-15/16 3	3.50	12.00	4.00	9.18	9.82	2.13	5/8	1.00	1.88	6.33	4.28	3.125	1.35	2.15	0.25	0.025	3.47
3-3/16 3-1/4 3-7/16 3-1/2	4.17	13.50	4.49	10.75	11.25	2.37	3/4	1.13	2.25	7.69	5.00	3.750	1.54	2.63	0.25	0.025	4.05
3-15/16 4	4.70	15.25	4.50	12.25	12.75	2.25	3/4	1.13	2.44	8.70	5.56	4.250	1.35	3.35	0.31	0.025	4.50
4-7/16 4-1/2	5.23	16.63	4.63	13.25	13.75	2.50	3/4	1.13	2.75	9.67	6.44	4.750	1.82	3.41	0.38	0.036	5.00
4-15/16 5	5.98	18.50	5.13	15.25	15.75	2.87	7/8	1.25	3.00	11.16	7.63	5.500	1.93	4.05	0.38	0.036	5.84
5-7/16 5-1/2	6.17	22	6.25	17.38	19.12	3.75	1	2	3.25	13.19	8.75	6.69	1.4	4.77	0.38	0.036	5.92
5-15/16 6	7.08	22	6.25	17.38	19.12	3.75	1	2	3.25	13.19	10.25	6.69	2.66	4.42	0.38	0.036	7.02
6-7/16 6-1/2 6-15/16 7	7.39	26	7.12	21.25	23.25	4.62	1	2	3.69	14.94	11.41	7.5	2.46	4.94	0.36	0.036	7.89

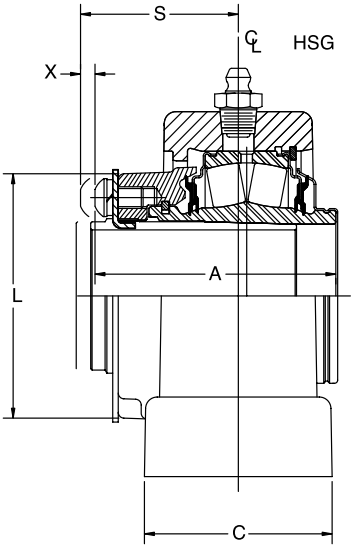
NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION
REFERENCE DIMENSION ONLY

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

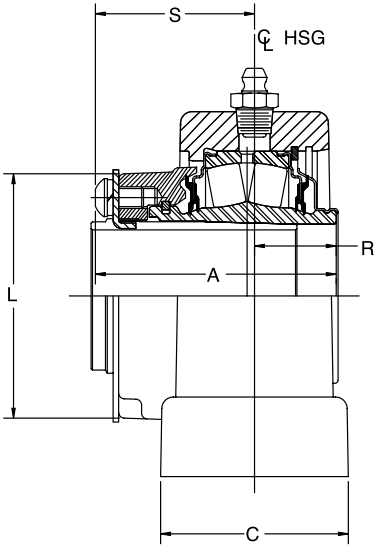
DIMENSION

IMPERIAL - ISN Metric Pillow Block
30 THROUGH 125mm, 2-BOLT





EXPANSION



NON-EXPANSION

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - ISN Metric Pillow Block

30 THROUGH 125mm, 2-BOLT

Bearing	Shaft Size mm	TRIDENT Seal				Labyrinth Seal			
		NON-EXPANSION		EXPANSION		NON-EXPANSION		EXPANSION	
		Part Number	Description	Part Number	Description	Part Number	Description	Part Number	Description
22208	30	**071000**	ISN 507-030MFR	**071017**	ISN 507-030MLR	**071034**	ISN 507-030MFS	**071051**	ISN 507-030MLS
	35	**071001**	ISN 508-035MFR	**071018**	ISN 508-035MLR	**071035**	ISN 508-035MFS	**071052**	ISN 508-035MLS
22209	40	**071002**	ISN 509-040MFR	**071019**	ISN 509-040MLR	**071036**	ISN 509-040MFS	**071053**	ISN 509-040MLS
22210	45	**071003**	ISN 510-045MFR	**071020**	ISN 510-045MLR	**071037**	ISN 510-045MFS	**071054**	ISN 510-045MLS
	50	**071004**	ISN 511-050MFR	**071021**	ISN 511-050MLR	**071038**	ISN 511-050MFS	**071055**	ISN 511-050MLS
22211	55	**071005**	ISN 512-055MFR	**071022**	ISN 512-055MLR	**071039**	ISN 512-055MFS	**071056**	ISN 512-055MLS
22213	60	**071006**	ISN 513-060MFR	**071023**	ISN 513-060MLR	**071040**	ISN 513-060MFS	**071057**	ISN 513-060MLS
22215	65	**071007**	ISN 515-065MFR	**071024**	ISN 515-065MLR	**071041**	ISN 515-065MFS	**071058**	ISN 515-065MLS
	70	**071008**	ISN 516-070MFR	**071025**	ISN 516-070MLR	**071042**	ISN 516-070MFS	**071059**	ISN 516-070MLS
	75	**071009**	ISN 517-075MFR	**071026**	ISN 517-075MLR	**071043**	ISN 517-075MFS	**071060**	ISN 517-075MLS
22218	80	**071010**	ISN 518-080MFR	**071027**	ISN 518-080MLR	**071044**	ISN 518-080MFS	**071061**	ISN 518-080MLS
	85	**071011**	ISN 519-085MFR	**071028**	ISN 519-085MLR	**071045**	ISN 519-085MFS	**071062**	ISN 519-085MLS
22220	90	**071012**	ISN 520-090MFR	**071029**	ISN 520-090MLR	**071046**	ISN 520-090MFS	**071063**	ISN 520-090MLS
	100	**071013**	ISN 522-100MFR	**071030**	ISN 522-100MLR	**071047**	ISN 522-100MFS	**071064**	ISN 522-100MLS
22222	110	**071014**	ISN 524-110-MFR	**071031**	ISN 524-110MLR	**071048**	ISN 524-110MFS	**071065**	ISN 524-110MLS
22226	115	**071015**	ISN 526-115MFR	**071032**	ISN 526-115MLR	**071049**	ISN 526-115MFS	**071066**	ISN 526-115MLS
	125	**071016**	ISN 528-125MFR	**071033**	ISN 528-125MLR	**071050**	ISN 528-125MFS	**071067**	ISN 528-125MLS

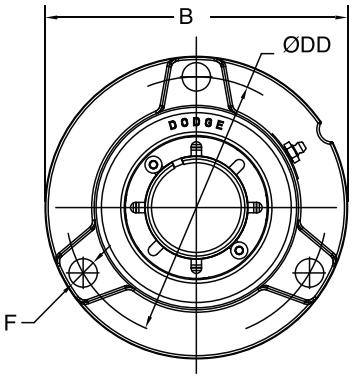
F = Non-Expansion, L = Expansion, R = Trident Rubbing Seal;. S = Labyrinth Seal

Shaft Size mm	A	B	C	D		F BOLT DIA	G	H	J	L	M	R	S	X TOTAL EXPANSION
				min	max									
30	66.7	184.9	52.0	145.0	155.0	M12	20	22	100.9	67.6	50	22.6	44.1	4
35	66.7	205.9	60.2	150.0	174.6	M12	27.3	25	110.8	67.6	60	22.6	44.1	4
40	71.4	206.3	60.2	155.0	174.6	M12	24.8	25	114	74.7	60	20.6	50.8	6.5
45	72.6	204.9	60.2	160.0	175.0	M12	22.5	25	113.8	81	60	21.1	51.4	6.5
50	72.6	253.9	70.2	190.0	215.9	M16	31	28	124.5	81	70	21.1	51.4	6.5
55	77.0	253.9	69.9	190.0	216.0	M16	31	30	130.3	87.1	70	23.4	54.2	6.5
60	86.9	274.9	80.2	205.0	235.0	M16	33	30	152.4	96.5	80	27.1	59.7	7
65	88.9	280.1	80.1	215.0	236.0	M16	28.5	30	156	106.7	80	26.9	61.7	7
70 75	88.9	315.9	90.2	244.5	268.3	M20	34.1	32	176	106.7	95	26.9	61.7	7
80	106.0	345.3	100.3	270.0	293.7	M20	34	35	196.7	124.7	100	34.5	71.4	7
85	106.0	345.0	100.2	264.2	296.1	M20	37.9	35	205.2	124.7	112	34.5	71.4	7
90	120.0	379.8	110.2	292.8	327.0	M24	43.1	40	218.3	138.7	112	37.2	82.3	8
100	120.0	410.0	120.0	314.4	356.0	M24	46.8	45	239	138.7	125	37.2	82.3	8
110	133.0	410.0	120.0	314.5	356.0	M24	46.8	45	260.7	161.3	140	44.4	88.4	10
115	152.0	444.8	130.0	359.6	387.0	M24	41.7	50	292.8	191.8	150	48.6	103.2	10
125	152.0	500.0	150.2	400.0	427.0	M30	48.5	50	290.4	191.8	150	48.6	103.2	10

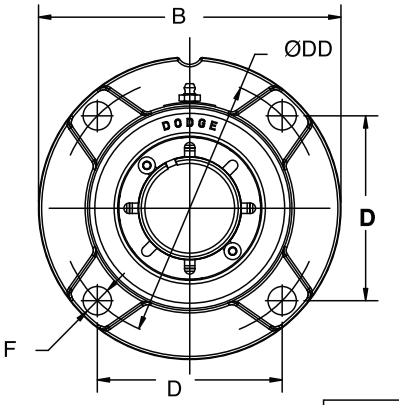
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

IMPERIAL - IP Flange - Round
1-1/8 THRU 2 INCH

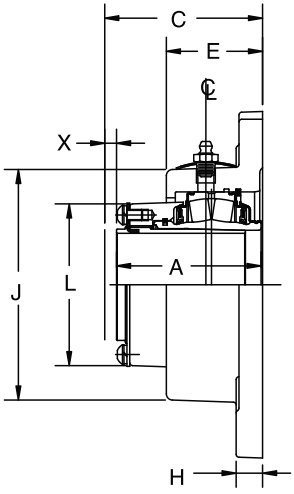


1-1/8 THRU 1-1/2"
CONSTRUCTION

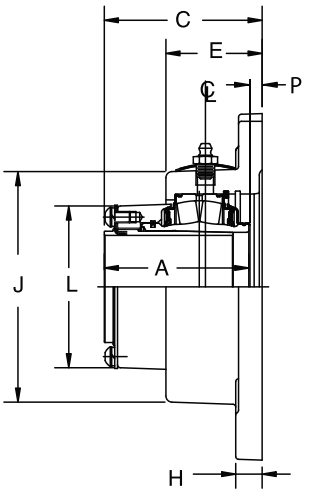


1-5/8 THRU 2"
CONSTRUCTION

NOTE: all sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-38 for 2-3/16 thru 3 inch

DODGE®

IMPERIAL - IP Flange - Round
1-1/8 THRU 2 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 1/8	**069592**	F3R-IP-102R	**069630**	F3R-IP-102RE	**069651**	F3R-IP-102L	**069672**	F3R-IP-102LE
	1 - 3/16	**069593**	F3R-IP-103R	**069631**	F3R-IP-103RE	**069652**	F3R-IP-103L	**069673**	F3R-IP-103LE
	1 -1/4	**069594**	F3R-IP-104R	**069632**	F3R-IP-104RE	**069653**	F3R-IP-104L	**069674**	F3R-IP-104LE
	1 -3/8	**069595**	F3R-IP-106R	**069633**	F3R-IP-106RE	**069654**	F3R-IP-106L	**069675**	F3R-IP-106LE
	1 -7/16	**069596**	F3R-IP-107R	**069634**	F3R-IP-107RE	**069655**	F3R-IP-107L	**069676**	F3R-IP-107LE
	1 - 1/2	**069597**	F3R-IP-108R	**069635**	F3R-IP-108RE	**069656**	F3R-IP-108L	**069677**	F3R-IP-108LE
22209	1 - 5/8	**069598**	F4R-IP-110R	**069636**	F4R-IP-110RE	**069657**	F4R-IP-110L	**069678**	F4R-IP-110LE
	1 -11/16	**069599**	F4R-IP-111R	**069637**	F4R-IP-111RE	**069658**	F4R-IP-111L	**069679**	F4R-IP-111LE
	1 - 3/4	**069600**	F4R-IP-112R	**069638**	F4R-IP-112RE	**069659**	F4R-IP-112L	**069680**	F4R-IP-112LE
22210	1 -7/8	**069601**	F4R-IP-114R	**069639**	F4R-IP-114RE	**069660**	F4R-IP-114L	**069681**	F4R-IP-114LE
	1 - 15/16	**069602**	F4R-IP-115R	**069640**	F4R-IP-115RE	**069661**	F4R-IP-115L	**069682**	F4R-IP-115LE
	2	**069603**	F4R-IP-200R	**069641**	F4R-IP-200RE	**069662**	F4R-IP-200L	**069683**	F4R-IP-200LE

Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	H	J	L	P	X TOTAL EXP
1 - 1/8 1 - 3/16 1 -1/4 1 -3/8 1 -7/16 1 - 1/2	2 - 5/8	5 - 7/8	2 - 55/64	3 - 17/32	5	1 - 51/64	* 1/2	1/2	3 - 3/4	2 - 23/32	15/64	3/16
1 - 5/8 1 -11/16 1 - 3/4	2 - 13/16	6 - 3/8	3 - 7/64	3 - 57/64	5 - 1/2	1 - 57/64	*1/2	1/2	4 - 1/4	3	19/64	1/4
1 -7/8 1 - 15/16 2	2 - 55/64	6 - 11/16	3 - 5/32	4 - 1/16	5 -3/4	1 - 59/64	** 1/2	9/16	4 - 1/2	3 - 9/32	19/64	1/4

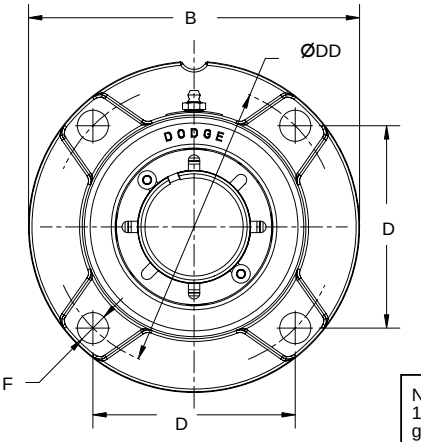
* 3 Equally spaced bolt holes

** 4 Equally spaced bolt holes

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

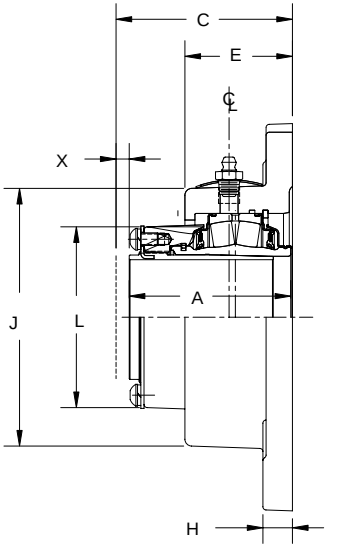
DIMENSION

IMPERIAL - IP Flange - Round
2-3/16 THRU 3 INCH

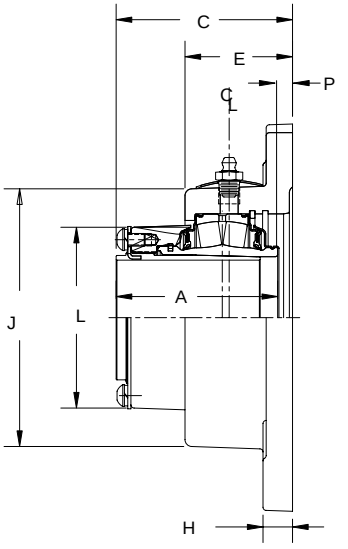


NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

2-3/16 THRU 3" CONSTRUCTION



EXPANSION



NON-EXPANSION

NOTE: See page B10-36 for 1-1/8 thru 2 inch

DODGE®

IMPERIAL - IP Flange - Round
2-3/16 THRU 3 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22211	2 - 3/16	**069604**	F4R-IP-203R	**069642**	F4R-IP-203RE	**069663**	F4R-IP-203L	**069684**	F4R-IP-203LE
	2 - 1/4	**069605**	F4R-IP-204R	**069643**	F4R-IP-204RE	**069664**	F4R-IP-204L	**069685**	F4R-IP-204LE
22213	2 - 3/8	**069606**	F4R-IP-206R	**069644**	F4R-IP-206RE	**069665**	F4R-IP-206L	**069686**	F4R-IP-206LE
	2 - 7/16	**069607**	F4R-IP-207R	**069645**	F4R-IP-207RE	**069666**	F4R-IP-207L	**069687**	F4R-IP-207LE
	2 - 1/2	**069608**	F4R-IP-208R	**069646**	F4R-IP-208RE	**069667**	F4R-IP-208L	**069688**	F4R-IP-208LE
22215	2 - 11/16	**069609**	F4R-IP-211R	**069647**	F4R-IP-211RE	**069668**	F4R-IP-211L	**069689**	F4R-IP-211LE
	2 - 3/4	**069610**	F4R-IP-212R	**069648**	F4R-IP-212RE	**069669**	F4R-IP-212L	**069690**	F4R-IP-212LE
	2 - 15/16	**069611**	F4R-IP-215R	**069649**	F4R-IP-215RE	**069670**	F4R-IP-215L	**069691**	F4R-IP-215LE
	3	**069612**	F4R-IP-300R	**069650**	F4R-IP-300RE	**069671**	F4R-IP-300L	**069692**	F4R-IP-300LE

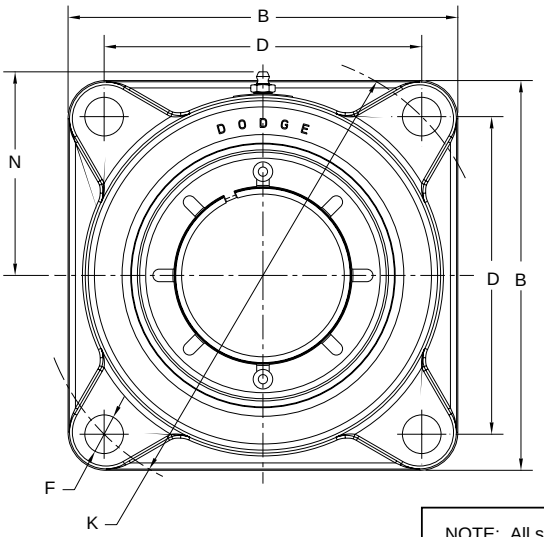
Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	H	J	L	P	X TOTAL EXP
2 - 3/16 2 - 1/4	3 - 1/32	7 - 3/8	3 - 11/32	4 -1/2	6 - 3/8	2 - 3/64	5/8	9/16	4 - 7/8	3 - 1/2	5/16	1/4
2 - 3/8 2 - 7/16 2 - 1/2	3 - 27/64	7 - 3/4	3 - 47/64	4 - 49/64	6 - 3/4	2 - 3/8	5/8	41/64	5 - 3/8	3 - 7/8	5/16	1/4
2 - 11/16 2 - 3/4 2 - 15/16 3	3 - 1/2	9 - 1/4	3 - 13/16	5 - 9/16	7 - 7/8	2 - 25/64	3/4	3/4	6 - 1/4	4 - 9/32	5/16	1/4

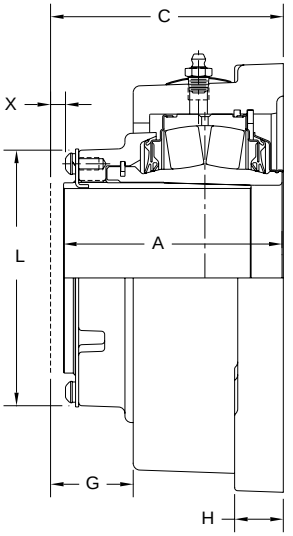
IMPERIAL FEATURES PAGE B10-3 | IMPERIAL SPECIFICATION PAGE B10-6 | IMPERIAL NOMENCLATURE PAGE B10-9 | IMPERIAL SELECTION PAGE B10-12

DIMENSION

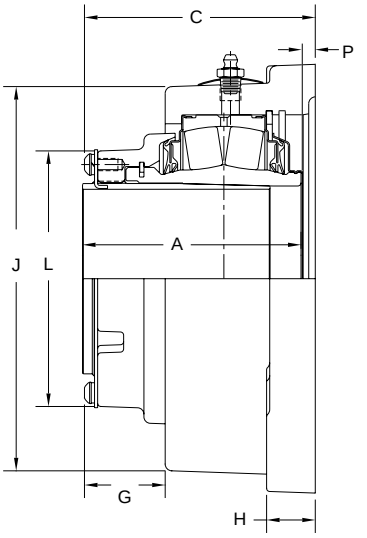
IMPERIAL - IP Flange - Square
1-1/8 THRU 2-1/4 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-42 for 2-3/8 thru 4 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Flange - Square
1-1/8 THRU 2-1/4 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 1/8	**069693**	F4S-IP-102R	**069721**	F4S-IP-102RE	**069749**	F4S-IP-102L	**069777**	F4S-IP-102LE
	1 - 3/16	**069694**	F4S-IP-103R	**069722**	F4S-IP-103RE	**069750**	F4S-IP-103L	**069778**	F4S-IP-103LE
	1 - 1/4	**069695**	F4S-IP-104R	**069723**	F4S-IP-104RE	**069751**	F4S-IP-104L	**069779**	F4S-IP-104LE
	1 - 3/8	**069696**	F4S-IP-106R	**069724**	F4S-IP-106RE	**069752**	F4S-IP-106L	**069780**	F4S-IP-106LE
	1 - 7/16	**069697**	F4S-IP-107R	**069725**	F4S-IP-107RE	**069753**	F4S-IP-107L	**069781**	F4S-IP-107LE
	1 - 1/2	**069698**	F4S-IP-108R	**069726**	F4S-IP-108RE	**069754**	F4S-IP-108L	**069782**	F4S-IP-108LE
22209	1 - 5/8	**069699**	F4S-IP-110R	**069727**	F4S-IP-110RE	**069755**	F4S-IP-110L	**069783**	F4S-IP-110LE
	1 - 11/16	**069700**	F4S-IP-111R	**069728**	F4S-IP-111RE	**069756**	F4S-IP-111L	**069784**	F4S-IP-111LE
	1 - 3/4	**069701**	F4S-IP-112R	**069729**	F4S-IP-112RE	**069757**	F4S-IP-112L	**069785**	F4S-IP-112LE
22210	1 - 7/8	**069702**	F4S-IP-114R	**069730**	F4S-IP-114RE	**069758**	F4S-IP-114L	**069786**	F4S-IP-114LE
	1 - 15/16	**069703**	F4S-IP-115R	**069731**	F4S-IP-115RE	**069759**	F4S-IP-115L	**069787**	F4S-IP-115LE
	2	**069704**	F4S-IP-200R	**069732**	F4S-IP-200RE	**069760**	F4S-IP-200L	**069788**	F4S-IP-200LE
22211	2 - 3/16	**069705**	F4S-IP-203R	**069733**	F4S-IP-203RE	**069761**	F4S-IP-203L	**069789**	F4S-IP-203LE
	2 - 1/4	**069706**	F4S-IP-204R	**069734**	F4S-IP-204RE	**069762**	F4S-IP-204L	**069790**	F4S-IP-204LE

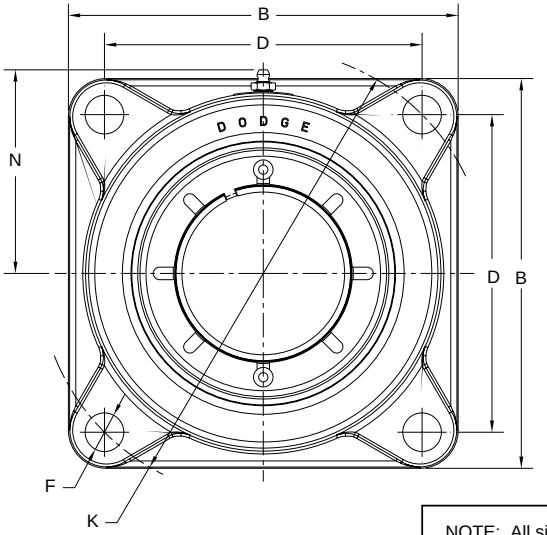
Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D	F BOLT DIA.	G	H	J	K	L	N	P	X TOTAL EXP.
1 - 1/8 1 - 3/16 1 - 1/4 1 - 3/8 1 - 7/16 1 - 1/2	2 - 5/8	4 - 3/4	2 - 55/64	3 - 17/32	1/2	1 - 5/64	1/2	3 - 13/16	5	2 - 23/32	2 - 31/64	15/64	3/16
1 - 5/8 1 - 11/16 1 - 3/4	2 - 13/16	5 - 1/8	3 - 7/64	3 - 57/64	1/2	1 - 13/64	1/2	4 - 13/32	5 - 1/2	3	2 - 25/32	19/64	1/4
1 - 7/8 1 - 15/16 2	2 - 55/64	5 - 19/64	3 - 5/32	4 - 1/16	1/2	1 - 15/64	9/16	4 - 31/32	5 - 3/4	3 - 9/32	2 - 29/32	19/64	1/4
2 - 3/16 2 - 1/4	3 - 1/32	5 - 7/8	3 - 11/32	4 - 33/64	5/8	1 - 5/16	9/16	5 - 1/64	6 - 3/8	3 - 1/2	3 - 3/32	5/16	1/4

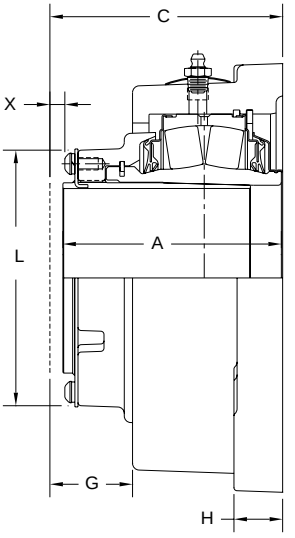
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

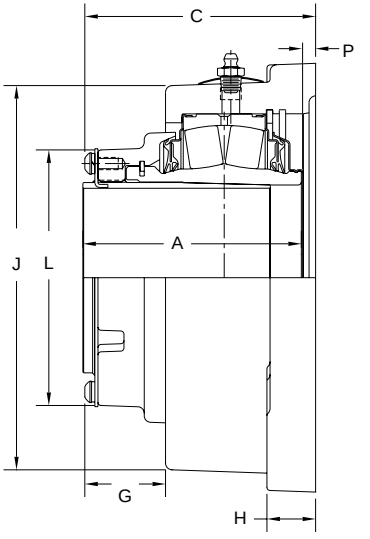
IMPERIAL - IP Flange - Square
2-3/8 THRU 4 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-40 for 1-1/8 thru 2-1/4 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Flange - Square
2-3/8 THRU 4 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2 - 3/8	**069707**	F4S-IP-206R	**069735**	F4S-IP-206RE	**069763**	F4S-IP-206L	**069791**	F4S-IP-206LE
	2 - 7/16	**069708**	F4S-IP-207R	**069736**	F4S-IP-207RE	**069764**	F4S-IP-207L	**069792**	F4S-IP-207LE
	2 - 1/2	**069709**	F4S-IP-208R	**069737**	F4S-IP-208RE	**069765**	F4S-IP-208L	**069793**	F4S-IP-208LE
22215	2 - 11/16	**069710**	F4S-IP-211R	**069738**	F4S-IP-211RE	**069766**	F4S-IP-211L	**069794**	F4S-IP-211LE
	2 - 3/4	**069711**	F4S-IP-212R	**069739**	F4S-IP-212RE	**069767**	F4S-IP-212L	**069795**	F4S-IP-212LE
	2 - 15/16	**069712**	F4S-IP-215R	**069740**	F4S-IP-215RE	**069768**	F4S-IP-215L	**069796**	F4S-IP-215LE
	3	**069713**	F4S-IP-300R	**069741**	F4S-IP-300RE	**069769**	F4S-IP-300L	**069797**	F4S-IP-300LE
22218	3 - 3/16	**069714**	F4S-IP-303R	**069742**	F4S-IP-303RE	**069770**	F4S-IP-303L	**069798**	F4S-IP-303LE
	3 - 1/4	**069715**	F4S-IP-304R	**069743**	F4S-IP-304RE	**069771**	F4S-IP-304L	**069799**	F4S-IP-304LE
	3 - 7/16	**069716**	F4S-IP-307R	**069744**	F4S-IP-307RE	**069772**	F4S-IP-307L	**069800**	F4S-IP-307LE
	3 - 1/2	**069717**	F4S-IP-308R	**069745**	F4S-IP-308RE	**069773**	F4S-IP-308L	**069801**	F4S-IP-308LE
22220	3 - 11/16	**069718**	F4S-IP-311R	**069746**	F4S-IP-311RE	**069774**	F4S-IP-311L	**069802**	F4S-IP-311LE
	3 - 15/16	**069719**	F4S-IP-315R	**069747**	F4S-IP-315RE	**069775**	F4S-IP-315L	**069803**	F4S-IP-315LE
	4	**069720**	F4S-IP-400R	**069748**	F4S-IP-400RE	**069776**	F4S-IP-400L	**069804**	F4S-IP-400LE

Metric shaft sizes available upon request

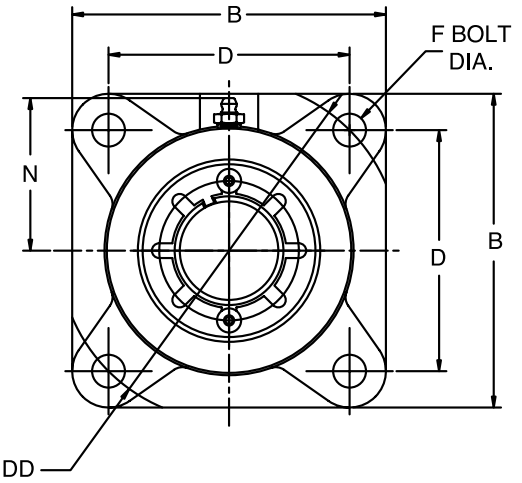
SHAFT SIZE	A	B	C	D	F BOLT DIA.	G	H	J	K	L	N	P	X TOTAL EXP.
2 - 3/8 2 - 7/16 2 - 1/2	3 - 27/64	6 - 1/8	3 - 47/64	4 - 25/32	5/8	1 - 23/64	41/64	5 - 5/8	6 - 3/4	3 - 7/8	3 - 13/32	5/16	1/4
2 - 11/16 2 - 3/4 2 - 15/16 3	3 - 1/2	7 - 3/16	3 - 13/16	5 - 9/16	3/4	1 - 27/64	3/4	6 - 1/2	7 - 7/8	4 - 9/32	3 - 27/32	5/16	1/4
3 - 3/16 3 - 1/4 3 - 7/16 3 - 1/2	4 - 11/64	8 - 1/4	4 - 31/64	6 - 23/32	3/4	1 - 19/32	15/16	7 - 31/64	9 - 1/2	5	4 - 21/64	5/16	1/4
3 - 11/16 3 - 15/16 4	4 - 45/64	9 - 1/4	5 - 5/64	7 - 39/64	7/8	1 - 25/32	1 - 1/16	8 - 7/32	10 - 3/4	5 - 9/16	4 - 45/64	3/8	5/16

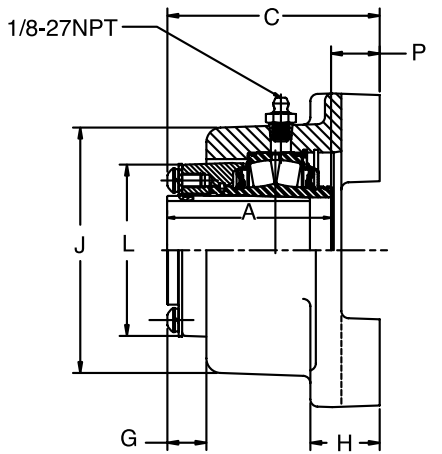
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

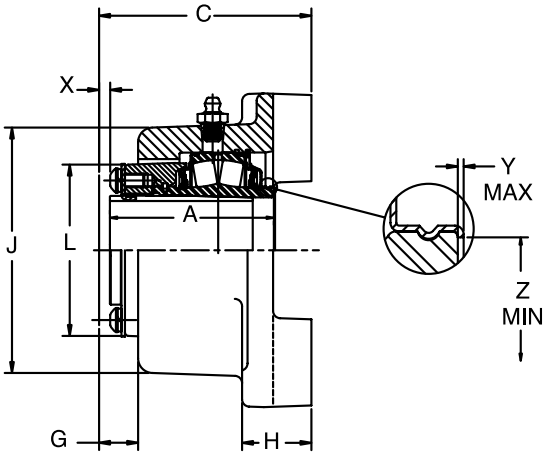
IMPERIAL - IP Flange - Square with Type E Dimensions

1-3/8 THRU 2-3/16 INCH





NON-EXPANSION



EXPANSION

NOTE: See page B10-46 for 2-1/4 thru 4-1/2 inch

IMPERIAL - IP Flange - Square with Type E Dimensions
1-3/8 THRU 2-3/16 INCH

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**071288**	EF4B-IP-106R	**071313**	EF4B-IP-106RE	**071338**	EF4B-IP-106L	**071364**	EF4B-IP-106LE
	1-7/16	**071289**	EF4B-IP-107R	**071314**	EF4B-IP-107RE	**071339**	EF4B-IP-107L	**071365**	EF4B-IP-107LE
22209	1-1/2	**071290**	EF4B-IP-108R	**071315**	EF4B-IP-108RE	**071340**	EF4B-IP-108L	**071366**	EF4B-IP-108LE
	1-5/8	**071291**	EF4B-IP-110R	**071316**	EF4B-IP-110RE	**071341**	EF4B-IP-110L	**071367**	EF4B-IP-110LE
	1-11/16	**071292**	EF4B-IP-111R	**071317**	EF4B-IP-111RE	**071342**	EF4B-IP-111L	**071368**	EF4B-IP-111LE
22210	1-3/4	**071293**	EF4B-IP-112R	**071318**	EF4B-IP-112RE	**071343**	EF4B-IP-112L	**071369**	EF4B-IP-112LE
	1-7/8	**071294**	EF4B-IP-114R	**071319**	EF4B-IP-114RE	**071344**	EF4B-IP-114L	**071370**	EF4B-IP-114LE
	1-15/16	**071295**	EF4B-IP-115R	**071320**	EF4B-IP-115RE	**071345**	EF4B-IP-115L	**071371**	EF4B-IP-115LE
	2	**071296**	EF4B-IP-200R	**071321**	EF4B-IP-200RE	**071346**	EF4B-IP-200L	**071372**	EF4B-IP-200LE
22211	2-3/16	**071297**	EF4B-IP-203R	**071322**	EF4B-IP-203RE	**071347**	EF4B-IP-203L	**071373**	EF4B-IP-203LE

*CONSULT DODGE FOR SIZES NOT LISTED

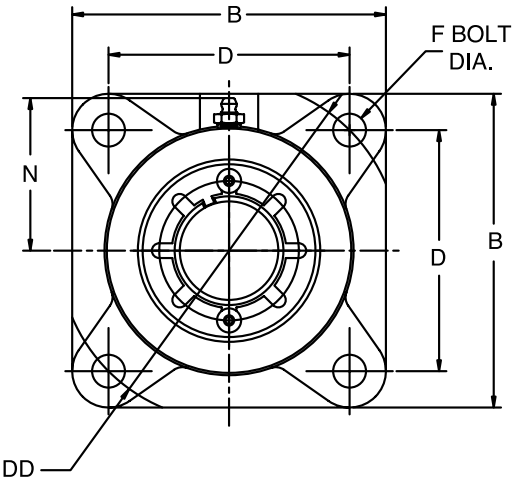
SHAFT SIZE	A	B#	C#	D	DD	BOLT DIA.	G	H#	J#	L	N	P	X TOTAL EXP.	Y	Z
1-3/8 1-7/16	2.63	4.63	3.15	3.50	4.950	1/2	0.66	1.06	3.88	2.72	2.34	0.53	0.16	0.020	1.80
1-1/2 1-5/8 1-11/16	2.81	5.38	3.64	4.13	5.834	1/2	0.67	1.19	4.18	3.00	2.50	0.83	0.19	0.020	2.08
1-3/4 1-7/8 1-15/16 2	2.86	5.63	3.64	4.38	6.188	1/2	0.65	1.18	4.36	3.28	2.60	0.79	0.22	0.020	2.30
2-3/16	3.03	6.25	3.96	4.88	6.894	5/8	0.68	1.38	4.88	3.50	2.88	0.94	0.25	0.020	2.60

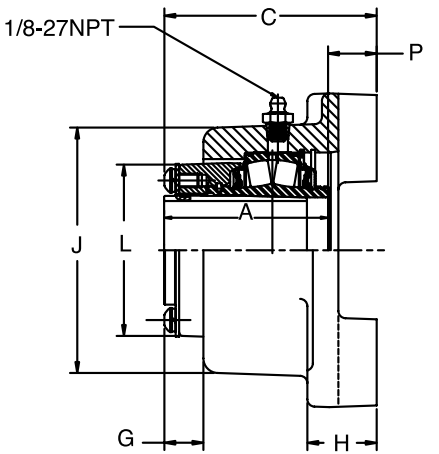
NOTE(S): "P" DIMENSION IS FOR NON-EXPANSION ONLY
"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION
REFERENCE DIMENSION ONLY

IMPERIAL FEATURES PAGE B10-3 | IMPERIAL SPECIFICATION PAGE B10-6 | IMPERIAL NOMENCLATURE PAGE B10-9 | IMPERIAL SELECTION PAGE B10-12

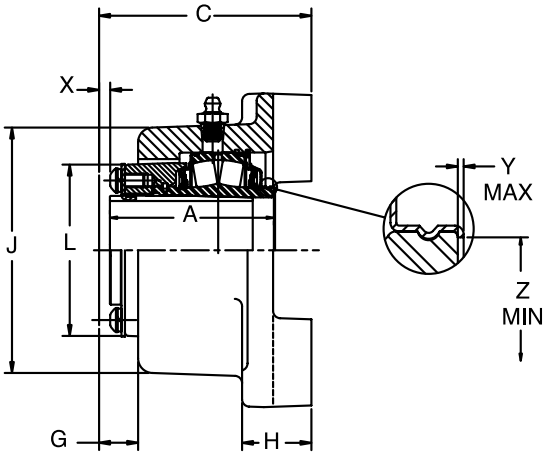
DIMENSION

IMPERIAL - IP Flange - Square with Type E Dimensions
2-1/4 THRU 4-1/2 INCH





NON-EXPANSION



EXPANSION

NOTE: See page B10-44 for 1-3/8 thru 2-3/16 inch

DODGE®

IMPERIAL - IP Flange - Square with Type E Dimensions
2-1/4 THRU 4-1/2 INCH

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-1/4	**071298**	EF4B-IP-204R	**071323**	EF4B-IP-204RE	**071348**	EF4B-IP-204L	**071374**	EF4B-IP-204LE
	2-7/16	**071299**	EF4B-IP-207R	**071324**	EF4B-IP-207RE	**071349**	EF4B-IP-207L	**071375**	EF4B-IP-207LE
	2-1/2	**071300**	EF4B-IP-208R	**071325**	EF4B-IP-208RE	**071350**	EF4B-IP-208L	**071376**	EF4B-IP-208LE
22215	2-11/16	**071301**	EF4B-IP-211R	**071326**	EF4B-IP-211RE	**071351**	EF4B-IP-211L	**071377**	EF4B-IP-211LE
	2-3/4	**071302**	EF4B-IP-212R	**071327**	EF4B-IP-212RE	**071352**	EF4B-IP-212L	**071378**	EF4B-IP-212LE
	2-15/16	**071303**	EF4B-IP-215R	**071328**	EF4B-IP-215RE	**071353**	EF4B-IP-215L	**071379**	EF4B-IP-215LE
	3	**071304**	EF4B-IP-300R	**071329**	EF4B-IP-300RE	**071354**	EF4B-IP-300L	**071380**	EF4B-IP-300LE
22218	3-3/16	**071305**	EF4B-IP-303R	**071330**	EF4B-IP-303RE	**071355**	EF4B-IP-303L	**071381**	EF4B-IP-303LE
	3-1/4	**071306**	EF4B-IP-304R	**071331**	EF4B-IP-304RE	**071356**	EF4B-IP-304L	**071382**	EF4B-IP-304LE
	3-7/16	**071307**	EF4B-IP-307R	**071332**	EF4B-IP-307RE	**071357**	EF4B-IP-307L	**071383**	EF4B-IP-307LE
	3-1/2	**071308**	EF4B-IP-308R	**071333**	EF4B-IP-308RE	**071358**	EF4B-IP-308L	**071384**	EF4B-IP-308LE
22220	3-15/16	**071309**	EF4B-IP-315R	**071334**	EF4B-IP-315RE	**071359**	EF4B-IP-315L	**071385**	EF4B-IP-315LE
	4	**071310**	EF4B-IP-400R	**071335**	EF4B-IP-400RE	**071360**	EF4B-IP-400L	**071386**	EF4B-IP-400LE
22222	4-7/16	**071311**	EF4B-IP-407R	**071336**	EF4B-IP-407RE	**071361**	EF4B-IP-407L	**071387**	EF4B-IP-407LE
	4-1/2	**071312**	EF4B-IP-408R	**071337**	EF4B-IP-408RE	**071362**	EF4B-IP-408L	**071388**	EF4B-IP-408LE

*CONSULT DODGE FOR SIZES NOT LISTED

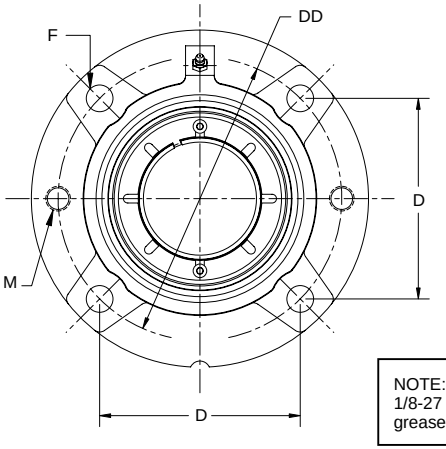
SHAFT SIZE*	A	B#	C#	D	DD	F BOLT DIA	G	H#	J#	L	N	P	X TOTAL EXP.	Y	Z
2-1/4 2-7/16 2-1/2	3.42	6.88	4.41	5.37	7.601	5/8	1.04	1.50	5.81	3.88	3.32	0.99	0.25	0.025	2.95
2-11/16 2-3/4 2-15/16 3	3.50	7.75	4.59	6.00	8.485	3/4	0.79	1.61	6.30	4.28	3.58	1.1	0.25	0.025	3.47
3-3/16 3-1/4 3-7/16 3-1/2	4.17	9.25	5.4	7.00	9.899	3/4	1.12	1.88	7.44	5	4.15	1.24	0.25	0.025	4.05
3-15/16 4	4.70	10.25	6.73	7.75	10.960	7/8	1.22	2.12	8.27	5.56	4.58	2.02	0.31	0.025	4.5
4-7/16 4-1/2	5.23	10.88	7.12	8.75	12.374	7/8	1.42	2.43	9.13	6.44	5.01	1.89	0.38	0.036	5

NOTE(S): "P" DIMENSION IS FOR NON-EXPANSION ONLY
"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION
REFERENCE DIMENSION ONLY

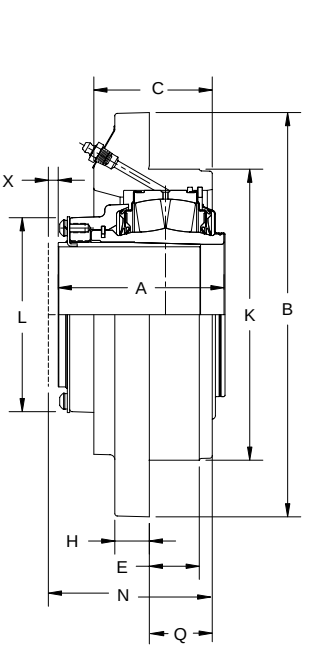
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

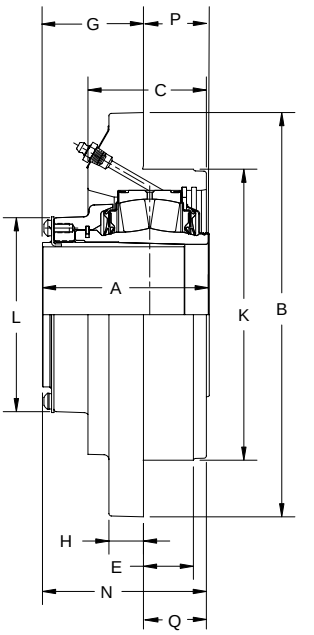
IMPERIAL - IP Piloted Flange
1-1/8 THRU 2-1/2 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-50 for 2-11/16 thru 5 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Piloted Flange
1-1/8 THRU 2-1/2 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 1/8	**069805**	FC-IP-102R	**069837**	FC-IP-102RE	**069869**	FC-IP-102L	**069901**	FC-IP-102LE
	1 - 3/16	**069806**	FC-IP-103R	**069838**	FC-IP-103RE	**069870**	FC-IP-103L	**069902**	FC-IP-103LE
	1 - 1/4	**069807**	FC-IP-104R	**069839**	FC-IP-104RE	**069871**	FC-IP-104L	**069903**	FC-IP-104LE
	1 - 3/8	**069808**	FC-IP-106R	**069840**	FC-IP-106RE	**069872**	FC-IP-106L	**069904**	FC-IP-106LE
	1 - 7/16	**069809**	FC-IP-107R	**069841**	FC-IP-107RE	**069873**	FC-IP-107L	**069905**	FC-IP-107LE
	1 - 1/2	**069810**	FC-IP-108R	**069842**	FC-IP-108RE	**069874**	FC-IP-108L	**069906**	FC-IP-108LE
22209	1 - 5/8	**069811**	FC-IP-110R	**069843**	FC-IP-110RE	**069875**	FC-IP-110L	**069907**	FC-IP-110LE
	1 - 11/16	**069812**	FC-IP-111R	**069844**	FC-IP-111RE	**069876**	FC-IP-111L	**069908**	FC-IP-111LE
	1 - 3/4	**069813**	FC-IP-112R	**069845**	FC-IP-112RE	**069877**	FC-IP-112L	**069909**	FC-IP-112LE
22210	1 - 7/8	**069814**	FC-IP-114R	**069846**	FC-IP-114RE	**069878**	FC-IP-114L	**069910**	FC-IP-114LE
	1 - 15/16	**069815**	FC-IP-115R	**069847**	FC-IP-115RE	**069879**	FC-IP-115L	**069911**	FC-IP-115LE
	2	**069816**	FC-IP-200R	**069848**	FC-IP-200RE	**069880**	FC-IP-200L	**069912**	FC-IP-200LE
22211	2 - 3/16	**069817**	FC-IP-203R	**069849**	FC-IP-203RE	**069881**	FC-IP-203L	**069913**	FC-IP-203LE
	2 - 1/4	**069818**	FC-IP-204R	**069850**	FC-IP-204RE	**069882**	FC-IP-204L	**069914**	FC-IP-204LE
22213	2 - 3/8	**069819**	FC-IP-206R	**069851**	FC-IP-206RE	**069883**	FC-IP-206L	**069915**	FC-IP-206LE
	2 - 7/16	**069820**	FC-IP-207R	**069852**	FC-IP-207RE	**069884**	FC-IP-207L	**069916**	FC-IP-207LE
	2 - 1/2	**069821**	FC-IP-208R	**069853**	FC-IP-208RE	**069885**	FC-IP-208L	**069917**	FC-IP-208LE

Metric shaft sizes available upon request

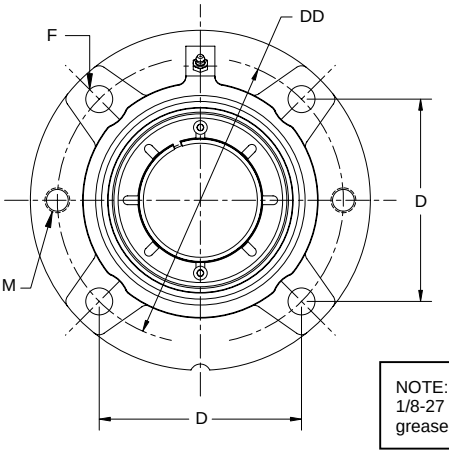
SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	G	H	K*	L	M	N	P	Q	X TOTAL EXP
1 - 1/8 1 - 3/16 1 - 1/4 1 - 3/8 1 - 7/16 1 - 1/2	2-5/8	5-1/4	1-27/32	3-3/32	4-3/8	3/4	3/8	1-25/64	1/2	3. 625	2-23/32	3/8-16	2-39/64	1-15/64	1-7/32	3/16
1 - 5/8 1 - 11/16 1 - 3/4	2-13/16	6-1/8	1-29/32	3-5/8	5-1/8	7/8	7/16	1-39/64	1/2	4.250	3	7/16-14	2-55/64	1-13/64	1-17/64	1/4
1 - 7/8 1 - 15/16 2	2-55/64	6 3/8	2	3-51/64	5-3/8	7/8	7/16	1-19/32	9/16	4.500	3-9/32	7/16-14	2-55/64	1-17/64	1-17/64	1/4
2 - 3/16 2 - 1/4	3-1/32	7-1/8	2-3/16	4-1/4	6	1	1/2	1-21/32	9/16	5.000	3-1/2	1/2-13	3-5/64	1-3/8	1-27/64	1/4
2 - 3/8 2 - 7/16 2 - 1/2	3-27/64	7 5/8	2-1/2	4-19/32	6-1/2	1	1/2	1-7/8	5/8	5.500	3-7/8	1/2-13	3-7/16	1-35/64	1-9/16	1/4

* = +0.000, -0.002”

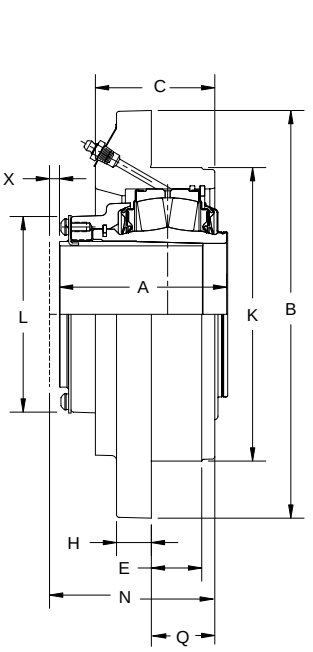
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

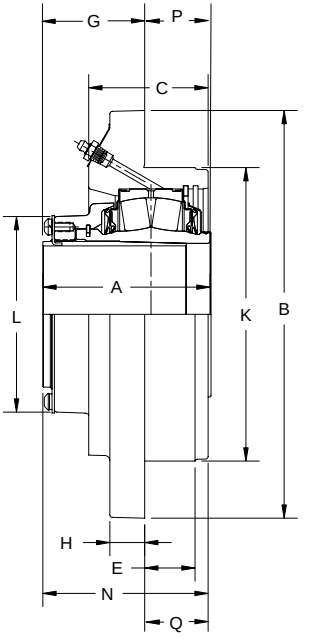
IMPERIAL - IP Piloted Flange
2-11/16 THRU 5 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-48 for 1-1/8 thru 2-1/2 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Piloted Flange
2-11/16 THRU 5 INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22215	2-11/16	**069822**	FC-IP-211R	**069854**	FC-IP-211RE	**069886**	FC-IP-211L	**069918**	FC-IP-211LE
	2-3/4	**069823**	FC-IP-212R	**069855**	FC-IP-212RE	**069887**	FC-IP-212L	**069919**	FC-IP-212LE
	2-15/16	**069824**	FC-IP-215R	**069856**	FC-IP-215RE	**069888**	FC-IP-215L	**069920**	FC-IP-215LE
	3	**069825**	FC-IP-300R	**069857**	FC-IP-300RE	**069889**	FC-IP-300L	**069921**	FC-IP-300LE
22218	3-3/16	**069826**	FC-IP-303R	**069858**	FC-IP-303RE	**069890**	FC-IP-303L	**069922**	FC-IP-303LE
	3-1/4	**069827**	FC-IP-304R	**069859**	FC-IP-304RE	**069891**	FC-IP-304L	**069923**	FC-IP-304LE
	3-7/16	**069828**	FC-IP-307R	**069860**	FC-IP-307RE	**069892**	FC-IP-307L	**069924**	FC-IP-307LE
	3-1/2	**069829**	FC-IP-308R	**069861**	FC-IP-308RE	**069893**	FC-IP-308L	**069925**	FC-IP-308LE
22220	3-11/16	**069830**	FC-IP-311R	**069862**	FC-IP-311RE	**069894**	FC-IP-311L	**069926**	FC-IP-311LE
	3-15/16	**069831**	FC-IP-315R	**069863**	FC-IP-315RE	**069895**	FC-IP-315L	**069927**	FC-IP-315LE
	4	**069832**	FC-IP-400R	**069864**	FC-IP-400RE	**069896**	FC-IP-400L	**069928**	FC-IP-400LE
22222	4-7/16	**069833**	FC-IP-407R	**069865**	FC-IP-407RE	**069897**	FC-IP-407L	**069929**	FC-IP-407LE
	4-1/2	**069834**	FC-IP-408R	**069866**	FC-IP-408RE	**069898**	FC-IP-408L	**069930**	FC-IP-408LE
22226	4-15/16	**069835**	FC-IP-415R	**069867**	FC-IP-415RE	**069899**	FC-IP-415L	**069931**	FC-IP-415LE
	5	**069836**	FC-IP-500R	**069868**	FC-IP-500RE	**069900**	FC-IP-500L	**069932**	FC-IP-500LE

Metric shafe sizes available upon request

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	G	H	K*	L	M	N	P	Q	X TOTAL EXP
2-11/16 2-3/4 2-15/16 3	3-1/2	8-3/4	2-5/8	5-19/64	7-1/2	1-1/4	5/8	1-15/16	3/4	6.375	4-9/32	5/8 - 11	3-9/16	1-9/16	1-5/8	1/4
3-3/16 3-1/4 3-7/16 3-1/2	4-11/64	10 1/4	3	6-3/32	8-5/8	1-17/64	3/4	2-17/32	15/16	7.375	5	3/4 - 10	4-1/16	1-41/64	1-33/64	1/4
3-11/16 3-15/16 4	4-45/64	10-7/8	3-1/2	6-5/8	9-3/8	1-15/32	3/4	2-57/64	1-1/8	8.125	5-9/16	3/4 - 10	4-25/32	1-13/16	1-29/32	5/16
4-7/16 4 1/2	5-15/64	13-1/2	4	5-7/8	11-3/4	1-29/64	3/4**	3-9/16	1	10.250	6-7/16	3/4 - 10	5-35/64	1-43/64	1-63/64	3/8
4-15/16 5	5-63/64	14-3/4	4-3/8	6-3/8	12-3/4	1-45/64	7/8**	3-55/64	1-1/4	11.000	7-5/8	3/4 - 10	6-9/32	2-1/8	2-27/64	3/8

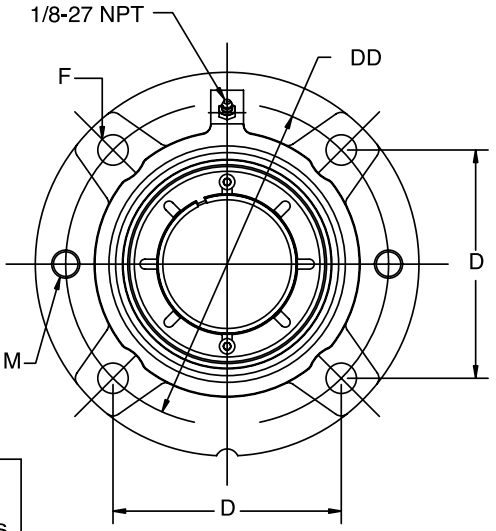
* +0.000", -0.002"

** 6 equally spaced mounting holes

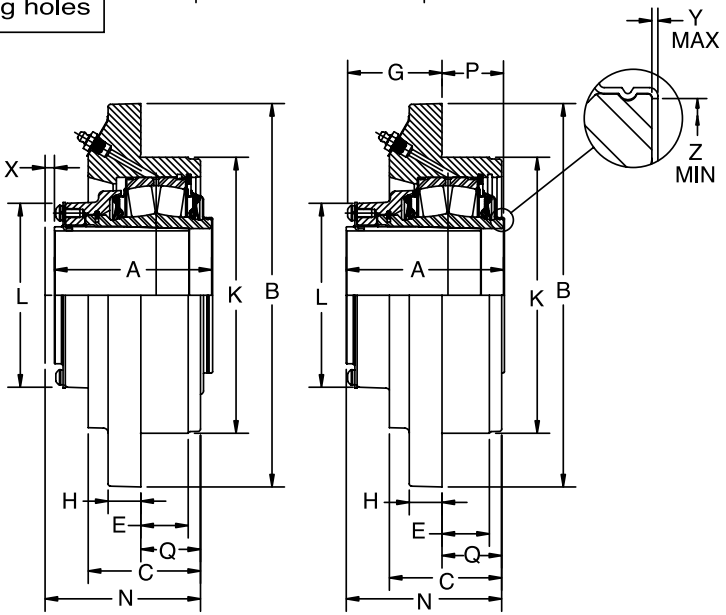
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

IMPERIAL - IP Piloted Flange with Type E Dimensions



Note: 4-7/16 thru 4-15/16 sizes have 6 evenly spaced mounting holes



EXPANSION NON-EXPANSION

DODGE®

IMPERIAL - IP Piloted Flange with Type E Dimensions

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	**069808**	FC-IP-106R	**069840**	FC-IP-106RE	**069872**	FC-IP-106L	**069904**	FC-IP-106LE
	1-7/16	**069809**	FC-IP-107R	**069841**	FC-IP-107RE	**069873**	FC-IP-107L	**069905**	FC-IP-107LE
22209	1-1/2	**071576**	EFC-IP-108R	**071579**	EFC-IP-108RE	**071582**	EFC-IP-108L	**071585**	EFC-IP-108LE
	1-5/8	**069811**	FC-IP-110R	**069843**	FC-IP-110RE	**069875**	FC-IP-110L	**069907**	EC-IP-110LE
	1-11/16	**069812**	FC-IP-111R	**069844**	FC-IP-111RE	**069876**	FC-IP-111L	**069908**	EC-IP-111LE
22210	1-3/4	**071577**	EFC-IP-112R	**071580**	EFC-IP-112RE	**071583**	EFC-IP-112L	**071586**	EFC-IP-112LE
	1-7/8	**069814**	FC-IP-114R	**069846**	FC-IP-114RE	**069878**	FC-IP-114L	**069910**	FC-IP-114LE
	1-15/16	**069815**	FC-IP-115R	**069847**	FC-IP-115RE	**069879**	FC-IP-115L	**069911**	FC-IP-115LE
	2	**069816**	FC-IP-200R	**069848**	FC-IP-200RE	**069880**	FC-IP-200L	**069912**	FC-IP-200LE
22211	2-3/16	**069817**	FC-IP-203R	**069849**	FC-IP-203RE	**069881**	FC-IP-203L	**069913**	FC-IP-203LE
22213	2-1/4	**071578**	EFC-IP-204R	**071581**	EFC-IP-204RE	**071584**	EFC-IP-204L	**071587**	EFC-IP-204LE
	2-7/16	**069820**	FC-IP-207R	**069852**	FC-IP-207RE	**069884**	FC-IP-207L	**069916**	FC-IP-207LE
	2-1/2	**069821**	FC-IP-208R	**069853**	FC-IP-208RE	**069885**	FC-IP-208L	**069917**	FC-IP-208LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B #	C #	D	DD	E #	F BOLT DIA.	G	H #	K ##	L	M	N	P	Q #	X TOTAL EXP.	Y	Z
1-3/8 1-7/16	2.63	5.25	1.84	3.09	4.375	0.75	3/8	1.39	0.50	3.625	2.72	3/8-16	2.61	1.23	1.22	0.19	0.020	1.80
1-1/2 1-5/8 1-11/16	2.81	6.13	1.91	3.63	5.125	0.88	7/16	1.61	0.50	4.250	3.00	7/16-14	2.86	1.20	1.26	0.25	0.020	2.08
1-3/4 1-7/8 1-15/16 2	2.86	6.38	2.00	3.80	5.375	0.88	7/16	1.59	0.56	4.500	3.28	7/16-14	2.86	1.26	1.26	0.25	0.020	2.30
2-3/16	3.03	7.13	2.19	4.25	6.000	1.00	1/2	1.66	0.56	5.000	3.50	1/2-13	3.08	1.38	1.42	0.25	0.025	2.59
2-1/4 2-7/16 2-1/2	3.42	7.63	2.50	4.59	6.500	1.00	1/2	1.88	0.63	5.500	3.88	1/2-13	3.44	1.55	1.56	0.25	0.025	2.94

- +0.000
-0.002

- REFERENCE DIMENSION ONLY

NOTE(S): "P" AND "G" DIMENSIONS ARE FOR NON-EXPANSION ONLY

"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

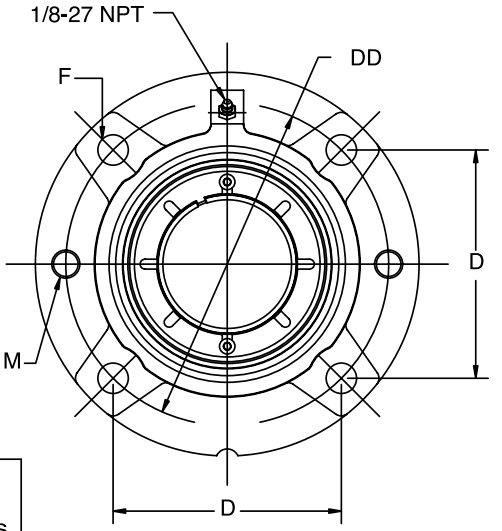
** 4-7/16 THRU 5" HAVE (6) EQUALLY SPACED MOUNTING HOLES

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

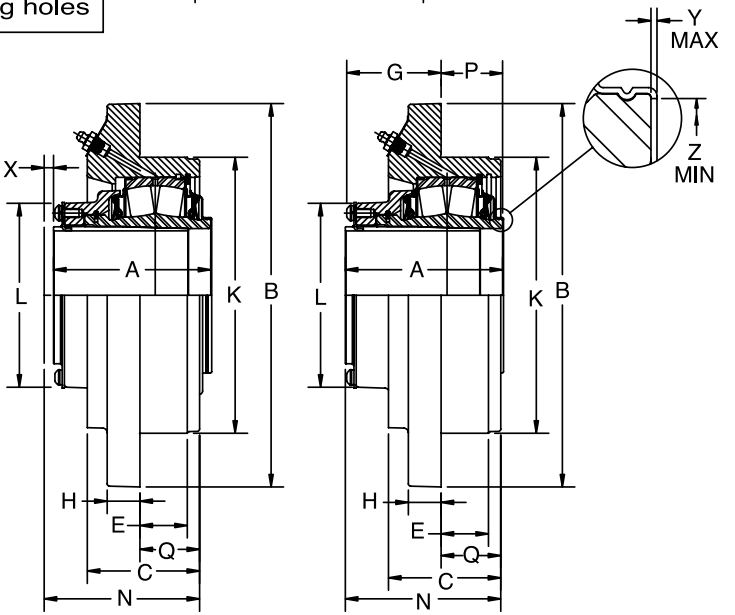
DIMENSION

DODGE®

IMPERIAL - IP Piloted Flange with Type E Dimension



Note: 4-7/16 thru 4-15/16 sizes have 6 evenly spaced mounting holes



IMPERIAL - IP Piloted Flange with Type E Dimension

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22215	2-11/16	**069822**	FC-IP-211R	**069854**	FC-IP-211RE	**069886**	FC-IP-211L	**069918**	FC-IP-211LE
	2-3/4	**069823**	FC-IP-212R	**069855**	FC-IP-212RE	**069887**	FC-IP-212L	**069919**	FC-IP-212LE
	2-15/16	**069824**	FC-IP-215R	**069856**	FC-IP-215RE	**069888**	FC-IP-215L	**069920**	FC-IP-215LE
	3	**069825**	FC-IP-300R	**069857**	FC-IP-300RE	**069889**	FC-IP-300L	**069921**	FC-IP-300LE
22218	3-3/16	**069826**	FC-IP-303R	**069858**	FC-IP-303RE	**069890**	FC-IP-303L	**069922**	FC-IP-303LE
	3-1/4	**069827**	FC-IP-304R	**069859**	FC-IP-304RE	**069891**	FC-IP-304L	**069923**	FC-IP-304LE
	3-7/16	**069828**	FC-IP-307R	**069860**	FC-IP-307RE	**069892**	FC-IP-307L	**069924**	FC-IP-307LE
	3-1/2	**069829**	FC-IP-308R	**069861**	FC-IP-308RE	**069893**	FC-IP-308L	**069925**	FC-IP-308LE
22220	3-15/16	**069831**	FC-IP-315R	**069863**	FC-IP-315RE	**069895**	FC-IP-315L	**069927**	FC-IP-315LE
	4	**069832**	FC-IP-400R	**069864**	FC-IP-400RE	**069896**	FC-IP-400L	**069928**	FC-IP-400LE
22222	4-7/16	**071272**	EFC-IP-407R	**071276**	EFC-IP-407RE	**071280**	EFC-IP-407L	**071284**	EFC-IP-407LE
	4-1/2	**071273**	EFC-IP-408R	**071277**	EFC-IP-408RE	**071281**	EFC-IP-408L	**071285**	EFC-IP-408LE
22226	4-15/16	**071274**	EFC-IP-415R	**071278**	EFC-IP-415RE	**071282**	EFC-IP-415L	**071286**	EFC-IP-415LE
	5	**071275**	EFC-IP-500R	**071279**	EFC-IP-500RE	**071283**	EFC-IP-500L	**071287**	EFC-IP-500LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B #	C #	D	DD	E #	F BOLT DIA.	G	H #	K ##	L	M	N	P	Q #	X TOTAL EXP.	Y	Z
2-11/16 2-3/4 2-15/16 3	3.50	8.75	2.63	5.30	7.500	1.25	5/8	1.94	0.75	6.375	4.28	5/8-11	3.56	1.56	1.63	0.25	0.025	3.47
3-3/16 3-1/4 3-7/16 3-1/2	4.17	10.25	3.00	6.09	8.625	1.26	3/4	2.53	0.94	7.375	5.00	3/4-10	4.06	1.64	1.52	0.25	0.025	4.05
3-15/16 4	4.70	10.88	3.50	6.63	9.375	1.47	3/4	2.89	1.13	8.125	5.56	3/4-10	4.78	1.81	1.91	0.31	0.025	4.50
4-7/16 4-1/2	5.23	13.50	4.58	5.88	11.750	1.45	3/4 **	3.03	0.94	10.250	6.44	3/4-10	5.66	2.20	2.63	0.38	0.036	5.00
4-15/16 5	5.98	14.75	4.88	6.38	12.750	1.70	7/8 **	3.40	1.25	11.000	7.63	3/4-10	6.41	2.59	3.01	0.38	0.036	5.84

- +0.000
-0.002

- REFERENCE DIMENSION ONLY

NOTE(S): "P" AND "G" DIMENSIONS ARE FOR NON-EXPANSION ONLY

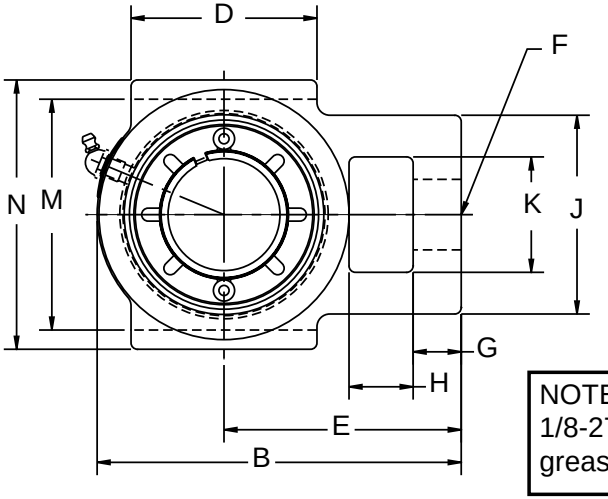
"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

** 4-7/16 THRU 5 HAVE (6) EQUALLY SPACED MOUNTING HOLES

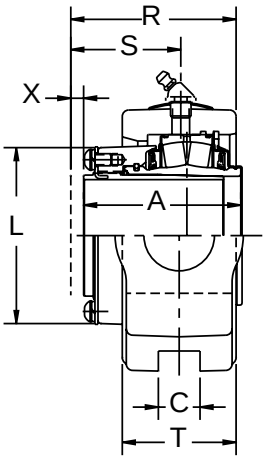
IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

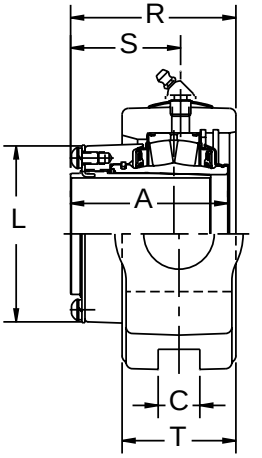
IMPERIAL - IP Wide Slot Take-Up
1-1/8 THRU 2-1/4 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

DODGE®

IMPERIAL - IP Wide Slot Take-Up
1-1/8 THRU 2-1/4 INCH

Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part No.	Part Name	Part No.	Part Name
22208	1 - 1/8	CP-308	**069340**	WSTU-IP-102R	**069368**	WSTU-IP-102RE
	1 - 3/16		**069341**	WSTU-IP-103R	**069369**	WSTU-IP-103RE
	1 - 1/4		**069342**	WSTU-IP-104R	**069370**	WSTU-IP-104RE
	1 - 3/8		**069343**	WSTU-IP-106R	**069371**	WSTU-IP-106RE
	1 - 7/16		**069344**	WSTU-IP-107R	**069372**	WSTU-IP-107RE
	1 - 1/2		**069345**	WSTU-IP-108R	**069373**	WSTU-IP-108RE
22209	1 - 5/8	CP-400	**069346**	WSTU-IP-110R	**069374**	WSTU-IP-110RE
	1 - 11/16		**069347**	WSTU-IP-111R	**069375**	WSTU-IP-111RE
	1 - 3/4		**069348**	WSTU-IP-112R	**069376**	WSTU-IP-112RE
22210	1 - 7/8	CP-400	**069349**	WSTU-IP-114R	**069377**	WSTU-IP-114RE
	1 - 15/16		**069350**	WSTU-IP-115R	**069378**	WSTU-IP-115RE
	2		**069351**	WSTU-IP-200R	**069379**	WSTU-IP-200RE
22211	2 - 3/16	CP-408	**069352**	WSTU-IP-203R	**069380**	WSTU-IP-203RE
	2 - 1/4		**069353**	WSTU-IP-204R	**069381**	WSTU-IP-204RE

Metric shaft sizes available upon request

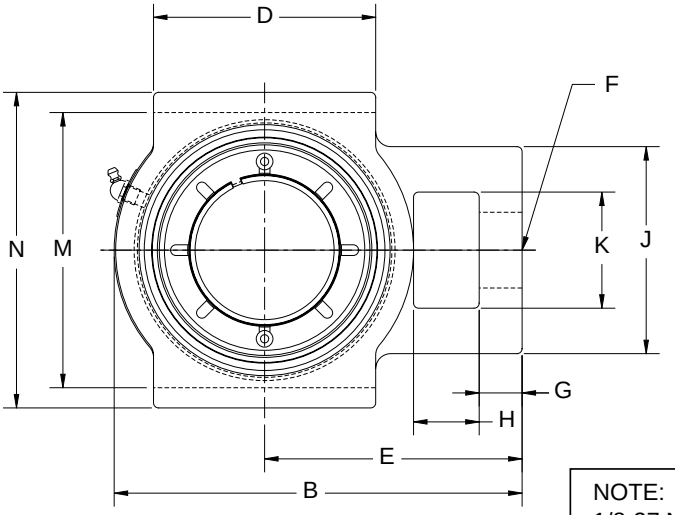
See Page B15-20 for CP. Take-Up Frame

SHAFT SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	T	X TOTAL EXP
1 - 1/8 1 - 3/16 1 - 1/4 1 - 3/8 1 - 7/16 1 - 1/2	2 - 5/8	5 - 1/16	17/32	2 - 3/4	3 - 3/16	7/8	11/16	5/8	2 - 7/16	1 - 7/16	2 - 23/32	3 - 1/2	4 - 1/8	2 - 53/64	1 - 47/64	2 - 1/16	3/16
1 - 5/8 1 - 11/16 1 - 3/4	2 - 13/16	5 - 15/16	11/16	3 - 1/8	3 - 13/16	1 - 1/8	15/16	3/4	3 - 5/16	1 - 15/16	3	4	4 - 3/4	2 - 31/32	1 - 63/64	2 - 1/32	1/4
1 - 7/8 1 - 15/16 2	2 - 55/64	6 - 3/16	11/16	3 - 5/8	3 - 15/16	1 - 1/8	15/16	3/4	3 - 5/16	1 - 15/16	3 - 9/32	4	4 - 3/4	2 - 15/16	2	2	1/4
2 - 3/16 2 - 1/4	3 - 1/32	7 - 1/16	13/16	3 - 5/8	4 - 5/8	1 - 3/8	15/16	1 - 1/4	3 - 7/8	2 - 1/4	3 - 1/2	4 - 1/2	5 - 1/4	3 - 3/16	2 - 7/64	2 - 7/32	1/4

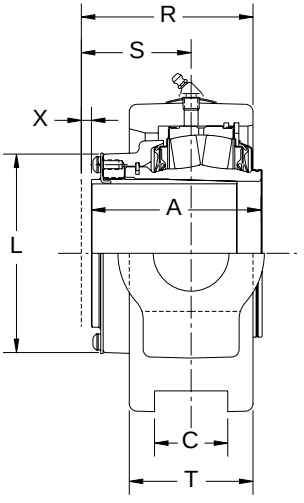
DIMENSION

IMPERIAL - IP Wide Slot Take-Up

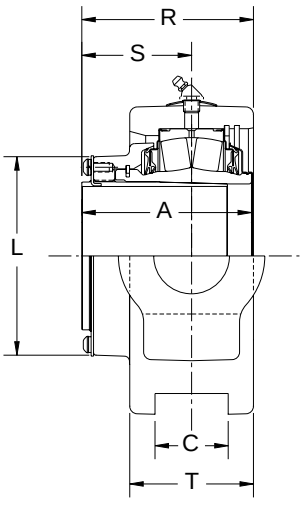
2-3/8 THRU 4 INCH



NOTE: All sizes use a 1/8-27 NPThydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B10-58 for 1-1/8 thru 2-1/4 inch

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL - IP Wide Slot Take-Up
2-3/8 THRU 4 INCH

Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part No.	Part Name	Part No.	Part Name
22213	2 - 3/8	CP-502	**069354**	WSTU-IP-206R	**069382**	WSTU-IP-206RE
	2 - 7/16		**069355**	WSTU-IP-207R	**069383**	WSTU-IP-207RE
	2 - 1/2		**069356**	WSTU-IP-208R	**069384**	WSTU-IP-208RE
22215	2 -11/16	CP-515	**069357**	WSTU-IP-211R	**069385**	WSTU-IP-211RE
	2 - 3/4		**069358**	WSTU-IP-212R	**069386**	WSTU-IP-212RE
	2 - 15/16		**069359**	WSTU-IP-215R	**069387**	WSTU-IP-215RE
	3		**069360**	WSTU-IP-300R	**069388**	WSTU-IP-300RE
22218	3 - 3/16	CP-613	**069361**	WSTU-IP-303R	**069389**	WSTU-IP-303RE
	3 - 1/4		**069362**	WSTU-IP-304R	**069390**	WSTU-IP-304RE
	3 - 7/16		**069363**	WSTU-IP-307R	**069391**	WSTU-IP-307RE
	3 - 1/2		**069364**	WSTU-IP-308R	**069392**	WSTU-IP-308RE
22220	3 - 11/16	CP-810	**069365**	WSTU-IP-311R	**069393**	WSTU-IP-311RE
	3 - 15/16		**069366**	WSTU-IP-315R	**069394**	WSTU-IP-315RE
	4		**069367**	WSTU-IP-400R	**069395**	WSTU-IP-400RE

Metric shaft sizes available upon request

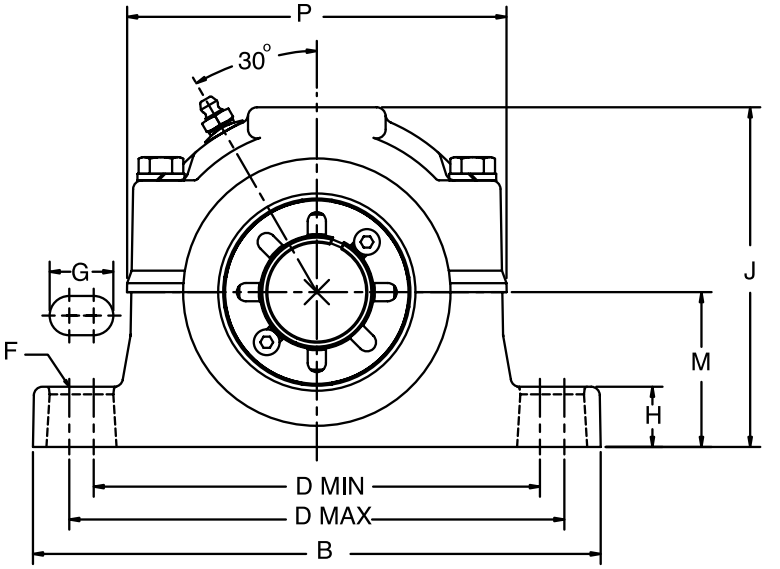
See Page B15-20 for CP Take-U Frame

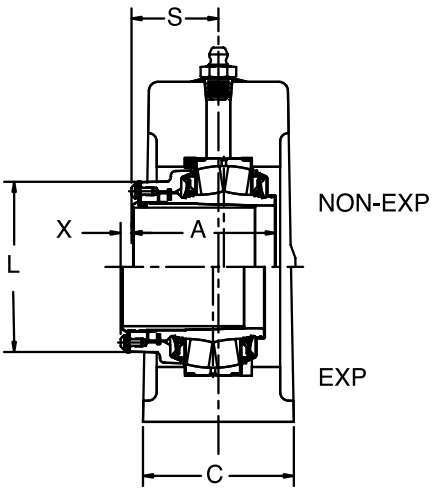
SHAFT SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	T	X TOTAL EXP
2 - 3/8 2 - 7/16 2 - 1/2	3 - 27/64	7 - 11/16	1 - 1/16	4 - 3/8	5	1 - 3/8	1 - 1/16	1 - 1/4	4 - 1/4	2 - 1/2	3 - 7/8	5 - 1/8	5 - 7/8	3 - 7/16	2 - 7/32	2 - 7/16	1/4
2 -11/16 2 - 3/4 2 - 15/16 3	3 - 1/2	8 - 7/8	1 - 13/16	4 - 1/2	5 - 3/4	1 - 5/8	1 - 1/8	1 - 1/2	4 - 7/8	2 - 3/4	4 - 9/32	5 - 15/16	6 - 11/16	3 - 43/64	2 - 9/32	2 - 11/16	1/4
3 - 3/16 3 - 1/4 3 - 7/16 3 - 1/2	4 - 5/32	10 - 1/16	1 - 13/16	5 - 1/2	6 - 3/8	1 - 7/8	1 - 1/16	1 - 5/8	5 - 1/8	2 - 7/8	5	6 - 13/16	7 - 13/16	4 - 7/32	2 - 11/16	3 - 1/16	1/4
3 - 11/16 3 - 15/16 4	4 - 45/64	12 - 9/16	2 - 1/16	7	8 - 3/8	2 - 1/8	2 - 1/16	2 - 1/8	6	3 - 3/8	5 - 9/16	8 - 5/8	9 - 7/16	4 - 51/64	3 - 3/64	3 - 7/16	5/16

DIMENSION

IMPERIAL ISAF

1-7/16 THRU 3-7/16 INCH - 2-BOLT





CONTACT SEAL

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

NOTE: See page B10-62 for 2-7/16 thru 7 inch

DODGE®

IMPERIAL ISAF
1-7/16 THRU 3-7/16 INCH - 2-BOLT

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-7/16	**070054**	P2B509-ISAF-107R	**070064**	P2B509-ISAF-107RE	**070074**	P2B509-ISAF-107L	**070084**	P2B509-ISAF-107LE
22209	1-11/16	**070055**	P2B510-ISAF-111R	**070065**	P2B510-ISAF-111RE	**070075**	P2B510-ISAF-111L	**070085**	P2B510-ISAF-111LE
22210	1-15/16	**070056**	P2B511-ISAF-115R	**070066**	P2B511-ISAF-115RE	**070076**	P2B511-ISAF-115L	**070086**	P2B511-ISAF-115LE
22211	2-3/16	**070057**	P2B513-ISAF-203R	**070067**	P2B513-ISAF-203RE	**070077**	P2B513-ISAF-203L	**070087**	P2B513-ISAF-203LE
22213	2-7/16	**070951**	P2B515-ISAF-207R	**070955**	P2B515-ISAF-207RE	**070959**	P2B515-ISAF-207L	**070963**	P2B515-ISAF-207LE
22215	2-11/16	**070952**	P2B516-ISAF-211R	**070956**	P2B516-ISAF-211RE	**070960**	P2B516-ISAF-211L	**070964**	P2B516-ISAF-211LE
22215	2-15/16	**070953**	P2B517-ISAF-215R	**070957**	P2B517-ISAF-215RE	**070961**	P2B517-ISAF-215L	**070965**	P2B517-ISAF-215LE
22218	3-7/16	**070954**	P2B520-ISAF-307R	**070958**	P2B520-ISAF-307RE	**070962**	P2B520-ISAF-307L	**070966**	P2B520-ISAF-307LE

Metric shaft sizes available upon request

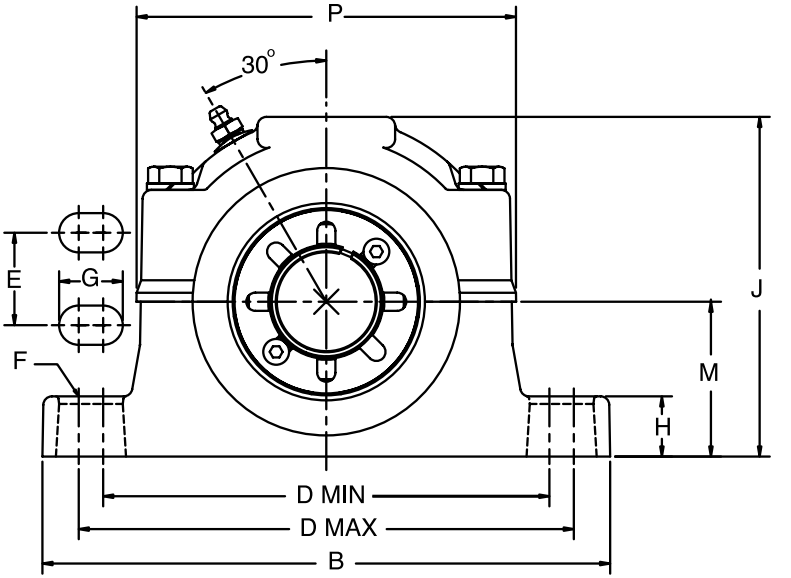
Shaft Size	SAF Series	A	B	C	D		F Bolts	G
					Min	Max		
1-7/16	**509**	2-5/8	8-1/4	2-3/16	6-1/4	7	1/2	15/16
1-11/16	**510**	2-13/16	8-1/4	2-3/8	6-1/2	7	1/2	7/8
1-15/16	**511**	2-55/64	9-5/8	2-3/4	7-3/8	8-1/4	5/8	1-13/64
2-3/16	**513**	3-1/32	11	3-1/4	8-21/32	9-1/2	5/8	1-5/32
2-7/16	**515**	3-27/64	11-1/8	3-1/8	8-5/8	9-5/8	5/8	1-1/8
2-11/16	**516**	3-1/2	12-19/32	3-1/2	9-7/8	11	3/4	1-5/16
2-15/16	**517**	3-1/2	12-19/32	3-1/2	9-7/8	11	3/4	1-5/16
3-7/16	**520**	4-5/32	15-23/64	4-11/32	11-13/16	13-1/8	7/8	1-5/8

Shaft Size	SAF Series	H	J	L	M	P	S	X Expansion
1-7/16	**509**	7/8	4-15/16	2-23/32	2-1/4	5-33/64	1-17/32	7/32
1-11/16	**510**	1-1/32	5-29/64	3	2-1/2	5-13/16	1-47/64	7/32
1-15/16	**511**	1-1/32	5-31/32	3-9/32	2-3/4	6-3/8	1-47/64	17/64
2-3/16	**513**	1-1/32	6-11/32	3-1/2	3	6-31/32	1-7/8	7/32
2-7/16	**515**	1-1/4	6-55/64	3-7/8	3-1/4	7-27/64	2-1/16	5/16
2-11/16	**516**	1	7-1/2	4-9/32	3-1/2	8-5/16	2-5/32	15/64
2-15/16	**517**	1-1/4	7-3/4	4-9/32	3-3/4	8-5/16	2-5/32	15/64
3-7/16	**520**	1-21/32	9-1/4	5	4-1/2	10-1/8	2-31/64	3/8

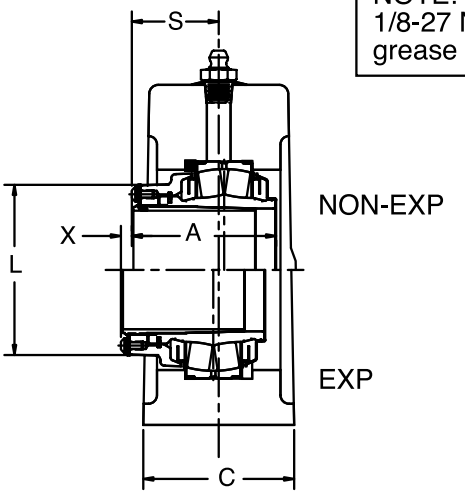
DIMENSION

IMPERIAL ISAF

2-7/16 THRU 7 INCH - 4-BOLT



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



LABYRINTH SEAL

NOTE: See page B10-60 for 1-1/8 thru 2-3/16 inch

DODGE®

IMPERIAL ISAF
2-7/16 THRU 7 INCH - 4-BOLT

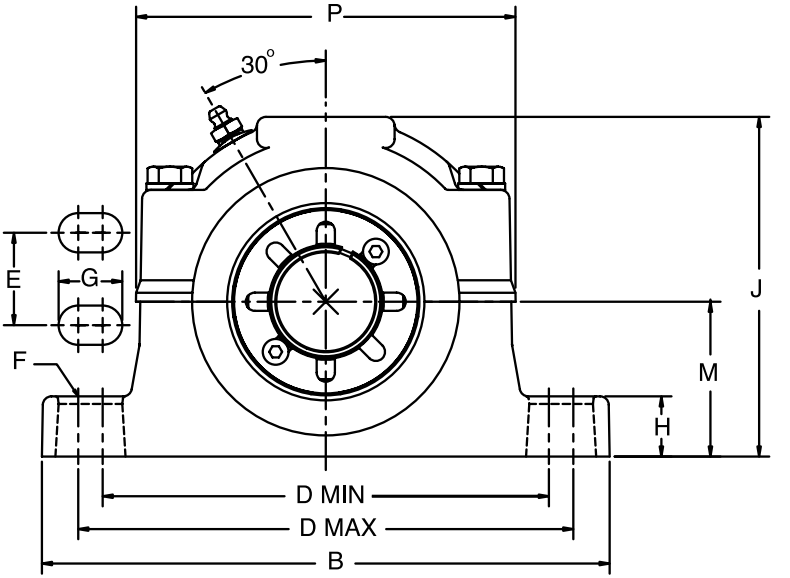
Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-7/16	**070058**	P4B515-ISAF-207R	**070068**	P4B515-ISAF-207RE	**070078**	P4B515-ISAF-207L	**070088**	P4B515-ISAF-207LE
22215	2-11/16	**070094**	P4B516-ISAF-211R	**070095**	P4B516-ISAF-211RE	**070096**	P4B516-ISAF-211L	**070097**	P4B516-ISAF-211LE
22215	2-15/16	**070059**	P4B517-ISAF-215R	**070069**	P4B517-ISAF-215RE	**070079**	P4B517-ISAF-215L	**070089**	P4B517-ISAF-215LE
22218	3-7/16	**070060**	P4B520-ISAF-307R	**070070**	P4B520-ISAF-307RE	**070080**	P4B520-ISAF-307L	**070090**	P4B520-ISAF-307LE
22220	3-15/16	**070061**	P4B522-ISAF-315R	**070071**	P4B522-ISAF-315RE	**070081**	P4B522-ISAF-315L	**070091**	P4B522-ISAF-315LE
22222	4-7/16	**070062**	P4B526-ISAF-407R	**070072**	P4B526-ISAF-407RE	**070082**	P4B526-ISAF-407L	**070092**	P4B526-ISAF-407LE
22226	4-15/16	**070063**	P4B528-ISAF-415R	**070073**	P4B528-ISAF-415RE	**070083**	P4B528-ISAF-415L	**070093**	P4B528-ISAF-415LE
22228	5-7/16	**037850**	P4B532-ISAF-507R	**037854**	P4B532-ISAF-507RE	**037901**	P4B532-ISAF-507L	**037902**	P4B532-ISAF-507LE
	5-1/2	**037903**	P4B532-ISAF-508R	**037904**	P4B532-ISAF-508RE	**037905**	P4B532-ISAF-508L	**037906**	P4B532-ISAF-508LE
22232	5-15/16	**037851**	P4B534-ISAF-515R	**037855**	P4B534-ISAF-515RE	**037907**	P4B534-ISAF-515L	**037908**	P4B534-ISAF-515LE
	6	**037909**	P4B534-ISAF-600R	**037910**	P4B534-ISAF-600RE	**037911**	P4B534-ISAF-600L	**037912**	P4B534-ISAF-600LE
22236	6-7/16	**037852**	P4B536-ISAF-607R	**037856**	P4B536-ISAF-607RE	**037913**	P4B536-ISAF-607L	**037914**	P4B536-ISAF-607LE
	6-1/2	**037915**	P4B536-ISAF-608R	**037916**	P4B536-ISAF-608RE	**037917**	P4B536-ISAF-608L	**037918**	P4B536-ISAF-608LE
22236	6-15/16	**037853**	P4B538-ISAF-615R	**037857**	P4B538-ISAF-615RE	**037919**	P4B538-ISAF-615L	**037920**	P4B538-ISAF-615LE
	7	**037921**	P4B538-ISAF-700R	**037922**	P4B538-ISAF-700RE	**037923**	P4B538-ISAF-700L	**037924**	P4B538-ISAF-700LE

See Page B10-65 for dimensions

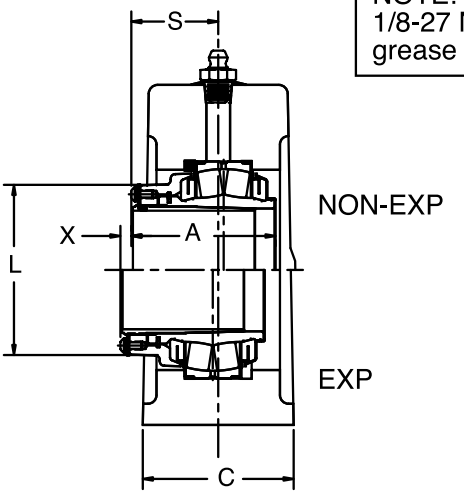
DIMENSION

IMPERIAL ISAF

2-7/16 THRU 7 INCH - 4-BOLT



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



LABYRINTH SEAL

DODGE

IMPERIAL ISAF
2-7/16 THRU 7 INCH - 4-BOLT

Shaft Size	SAF Series	A	B	C	D		E	F Bolts	G
					Min	Max			
2-7/16	**515**	3-27/64	11-1/8	3-1/8	8-5/8	9-5/8	1-7/8	1/2	1-1/8
2-11/16	**516**	3-1/2	12-19/32	3-1/2	9-7/8	11	2-1/8	5/8	1-5/16
2-15/16	**517**	3-1/2	12-19/32	3-1/2	9-7/8	11	2-1/8	5/8	1-5/16
3-7/16	**520**	4-5/32	15-23/64	4-11/32	11-13/16	13-1/8	2-3/8	3/4	1-5/8
3-15/16	**522**	4-45/64	16-1/2	4-3/4	12-19/32	14-1/2	2-3/4	3/4	1-53/64
4-7/16	**526**	5-15/64	18-3/8	5-1/8	14-1/2	16	3-1/4	7/8	1-3/4
4-15/16	**528**	5-63/64	19-45/64	5-7/8	15-5/8	17-3/8	3-3/8	1	2
5-7/16 5-1/2	**532**	6-11/64	21-21/32	6-1/4	17-3/8	19-1/4	3-3/4	1	2-1/16
5-15/16 6	**534**	7-5/64	24-3/4	6-3/4	19-3/8	21-5/8	4-1/4	1	2-1/4
6-7/16 6-1/2	**536**	7-25/64	26-3/4	7-1/8	20-7/8	23-5/8	4-5/8	1	2-1/2
6-15/16 7	**538**	7-25/64	28	7-1/2	21-5/8	24-3/8	4-1/2	1-1/4	2-3/4

Shaft Size	SAF Series	H	J	L	M	P	S	X Expansion
2-7/16	**515**	1-1/4	6-55/64	3-7/8	3-1/4	7-27/64	2-1/16	5/16
2-11/16	**516**	1	7-1/2	4-9/32	3-1/2	8-5/16	2-5/32	15/64
2-15/16	**517**	1-1/4	7-3/4	4-9/32	3-3/4	8-5/16	2-5/32	15/64
3-7/16	**520**	1-21/32	9-1/4	5	4-1/2	10-1/8	2-31/64	3/8
3-15/16	**522**	1-25/32	10-3/16	5-9/16	4-15/16	10-23/32	2-55/64	3/8
4-7/16	**526**	2-1/16	11-21/32	6-7/16	6	12-15/32	3-3/32	3/8
4-15/16	**528**	2-1/16	12-13/32	7-5/8	6	13-3/8	3-11/16	3/8
5-7/16 5-1/2	**532**	2-11/32	12-1/2	8-3/4	6-11/16	13-3/8	3-41/64	3/8
5-15/16 6	**534**	2-7/8	13-11/16	10-1/4	7-1/16	15-3/32	4-7/64	3/8
6-7/16 6-1/2	**536**	3	15-1/8	11-13/32	7-1/2	17-3/8	4-11/32	3/8
6-15/16 7	**538**	3-1/8	15-1/2	11-13/32	7-7/8	17-3/8	4-11/32	3/8

See page B10-63 for part number

DIMENSION

IMPERIAL ISAF
How to Order ISAF Smart Stock Selections

Step 1: The Housing Choices

ISAF housings with embedded thermocoupled probe and adapter plate

Shaft Size	Series	Drilled Housing Part Numbers For Temperature and/or Vibration Part #
207	515	**063765**
215	517	**063766**
307	520	**063767**
315	522	**063768**
407	526	**063769**
415	528	**063770**

Step 2: Bearing Insert

Select insert based on shaft size and seal choice. Locknut contains 4 holes for prox target attachment.

Shaft Size	TRIDENT Seal	Labyrinth Seals
207	**070895**	**070927**
215	**070899**	**070931**
307	**070903**	**070935**
315	**070906**	**070938**
407	**048385**	**048389**
415	**048386**	**048390**

* For additional details on DODGE Smart Bearings, see brochure DMR 2026-6

IMPERIAL ISAF
How to Order ISAF Smart Stock Selections

Step 3: The Sensor Choices

For speed monitoring, select prox cover and prox kit, either AC for PLC monitoring or DC for EZ Link. Add the Cable Connector kit for EZ Link speed monitoring

For temperature monitoring select the Thermocouple Transmitter kit **055931**

For temperature and vibration monitoring select **067576**

To monitor temperature, vibration, and speed select EZ Link.

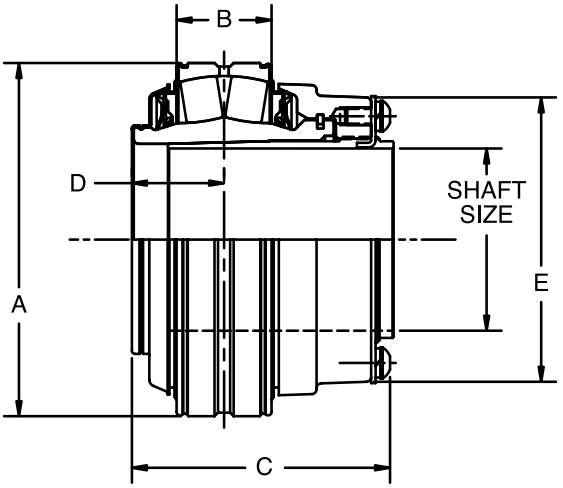
Prox Covers		
Shaft Size	Housing Series	Part Number
207	515	**063771**
215	517	**063772**
307	520	**063773**
315	522	**063774**
407	526	**063775**
415	528	**063776**

ISAF Sensor Kits	Part Number
AC Prox	**055940**
DC Prox	**055945**
Thermocouple Transmitter	**055931**
EZLINK	**059652**
Cable Connector Kit	**063694**
4-20 ma Accelerometer and Thermocouple	**067576**

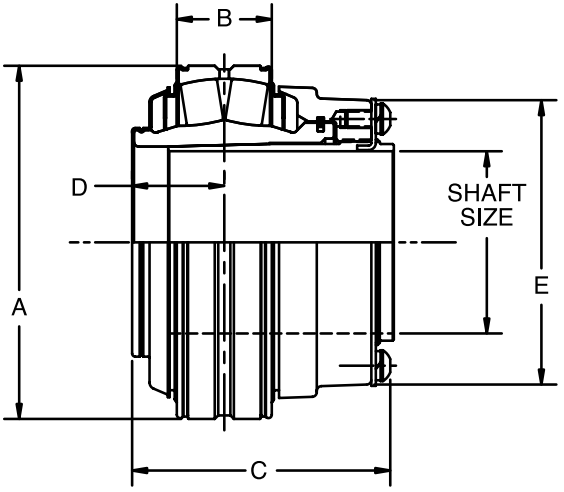
DIMENSION

IMPERIAL Bearing Insert - For IP, IP-E and ISAF Housings
1-1/8 THRU 2-1/4 INCH

TRIDENT SEAL



LABYRINTH SEAL



IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL Bearing Insert - For IP, IP-E and ISAF Housings
1-1/8 THRU 2-1/4 PART NUMBERS

Bearing Series	Shaft Size - Inch	TRIDENT Seal		Labyrinth Seal	
		Part Number	Part Name	Part Number	Part Name
22208	1-1/8	**070880**	INS-IP-102R	**070912**	INS-IP-102L
	1-3/16	**070881**	INS-IP-103R	**070913**	INS-IP-103L
	1-1/4	**070882**	INS-IP-104R	**070914**	INS-IP-104L
	1-3/8	**070883**	INS-IP-106R	**070915**	INS-IP-106L
	1-7/16	**070884**	INS-IP-107R	**070916**	INS-IP-107L
	1-1/2	**070885**	INS-IP-108R	**070917**	INS-IP-108L
22209	1-1/2 *	**071590**	INS-IPE-108R	**071593**	INS-IPE-108L
	1-5/8	**070886**	INS-IP-110R	**070918**	INS-IP-110L
	1-11/16	**070887**	INS-IP-111R	**070919**	INS-IP-111L
	1-3/4	**070888**	INS-IP-112R	**070920**	INS-IP-112L
22210	1-3/4 *	**071591**	INS-IPE-112R	**071594**	INS-IPE-112L
	1-7/8	**070889**	INS-IP-114R	**070921**	INS-IP-114L
	1-15/16	**070890**	INS-IP-115R	**070922**	INS-IP-115L
	2	**070891**	INS-IP-200R	**070923**	INS-IP-200L
22211	2-3/16	**070892**	INS-IP-203R	**070924**	INS-IP-203L
	2-1/4	**070893**	INS-IP-204R	**070925**	INS-IP-204L

* Inserts for IMPERIAL-Type E dimensioned housings only

Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D	E
1-1/8 1-3/16 1-1/4 1-3/8 1-7/16 1-1/2	3.1496	61/64	2-5/8	0.97	2-23/32
1-1/2 * 1-5/8 1-11/16 1-3/4	3.3465	61/64	2-13/16	0.954	3
1-3/4 * 1-7/8 1-15/16 2	3.5433	61/64	2-55/64	0.977	3-9/32
2-3/16 2-1/4	3.937	1-3/64	3-1/32	1.05	3-1/2

* Inserts for IMPERIAL-Type E dimensioned housings only

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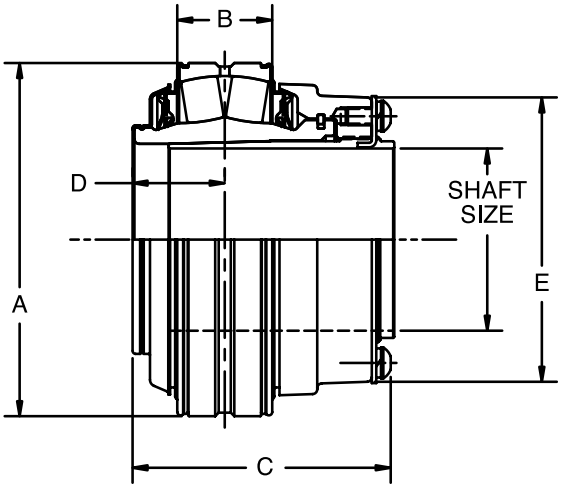
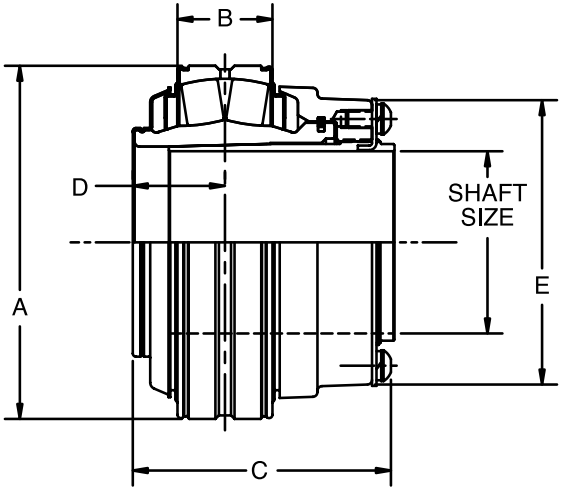
DIMENSION

IMPERIAL Bearing Insert - For IP, IP-E and ISAF Housings
2-3/8 THRU 5 INCH

TRIDENT SEAL



LABYRINTH SEAL



IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

IMPERIAL Bearing Insert - For IP, IP-E and ISAF Housings

2-3/8 THRU 5 INCH - PART NUMBERS

Bearing Series	Shaft Size	TRIDENT Seal		Labyrinth Seal	
		Part Number	Part Name	Part Number	Part Name
22213	2-1/4 *	**071592**	INS-IPE-204R	**071595**	INS-IPE-204L
	2-3/8	**070894**	INS-IP-206R	**070926**	INS-IP-206L
	2-7/16	**070895**	INS-IP-207R	**070927**	INS-IP-207L
	2-1/2	**070896**	INS-IP-208R	**070928**	INS-IP-208L
22215	2-11/16	**070897**	INS-IP-211R	**070929**	INS-IP-211L
	2-3/4	**070898**	INS-IP-212R	**070930**	INS-IP-212L
	2-15/16	**070899**	INS-IP-215R	**070931**	INS-IP-215L
	3	**070900**	INS-IP-300R	**070932**	INS-IP-300L
22218	3-3/16	**070901**	INS-IP-303R	**070933**	INS-IP-303L
	3-1/4	**070902**	INS-IP-304R	**070934**	INS-IP-304L
	3-7/16	**070903**	INS-IP-307R	**070935**	INS-IP-307L
	3-1/2	**070904**	INS-IP-308R	**070936**	INS-IP-308L
22220	3-11/16	**070905**	INS-IP-311R	**070937**	INS-IP-311L
	3-15/16	**070906**	INS-IP-315R	**070938**	INS-IP-315L
	4	**070907**	INS-IP-400R	**070939**	INS-IP-400L
22222	4-7/16	**070908**	INS-IP-407R	**070940**	INS-IP-407L
	4-1/2	**070909**	INS-IP-408R	**070941**	INS-IP-408L
22226	4-15/16	**070910**	INS-IP-415R	**070942**	INS-IP-415L
	5	**070911**	INS-IP-500R	**070943**	INS-IP-500L

* Insert for IMPERIAL-Type E dimensioned housings only

Metric shaft sizes available upon request

SHAFT SIZE	A	B	C	D	E
2-1/4 * 2-3/8 2-7/16 2-1/2	4.7241	1-9/32	3-27/64	1.208	3-7/8
2-11/16 2-3/4 2-15/16 3	5.1181	1-9/32	3-1/2	1.219	4-9/32
3-3/16 3-1/4 3-7/16 3-1/2	6.2992	1-5/8	4-11/64	1.483	5
3-11/16 3-15/16 4	7.0866	1-7/8	4-45/64	1.646	5-9/16
4-7/16 4-1/2	7.8740	2-5/32	5-15/64	1.935	6-7/16
4-15/16 5	9.0551	2-19/32	5-63/64	2.107	7-5/8

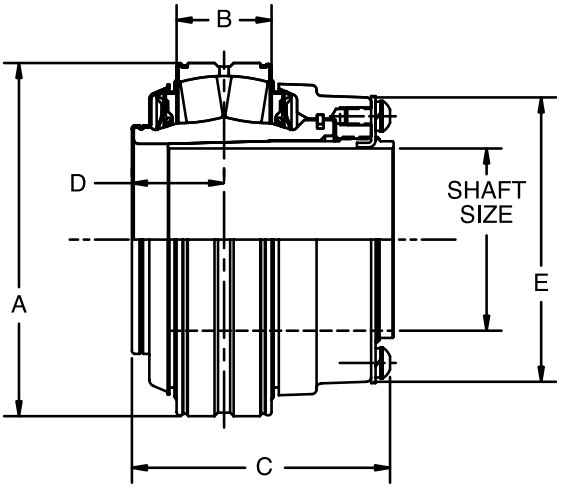
* Insert for IMPERIAL-Type E dimensioned housings only

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

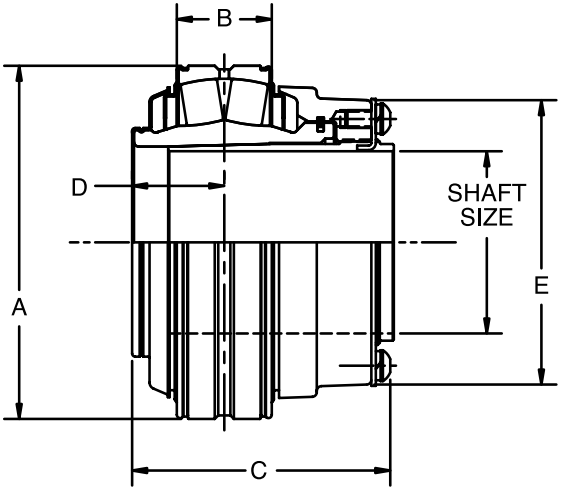
DIMENSION

IMPERIAL Bearing Insert - For Large Bore ISAF Housings
5-7/16 THRU 7 INCH

TRIDENT SEAL



LABYRINTH SEAL



IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DODGE®

IMPERIAL Bearing Insert - For Large Bore ISAF Housings
5-7/16 THRU 7 INCH

Bearing Series	Shaft Size	TRIDENT Seal		Labyrinth Seal	
		Part Number	Part Name	Part Number	Part Name
22228	5-7/16	**037925**	INS-IP-507R	**037933**	INS-IP-507L
	5-1/2	**037926**	INS-IP-508R	**037934**	INS-IP-508L
22232	5-15/16	**037927**	INS-IP-515R	**037935**	INS-IP-515L
	6	**037928**	INS-IP-600R	**037936**	INS-IP-600L
22236	6-7/16	**037929**	INS-IP-607R	**037937**	INS-IP-607L
	6-1/2	**037930**	INS-IP-608R	**037938**	INS-IP-608L
	6-15/16	**037931**	INS-IP-615R	**037939**	INS-IP-615L
	7	**037932**	INS-IP-700R	**037940**	INS-IP-700L

Metric shaft sizes available upon request

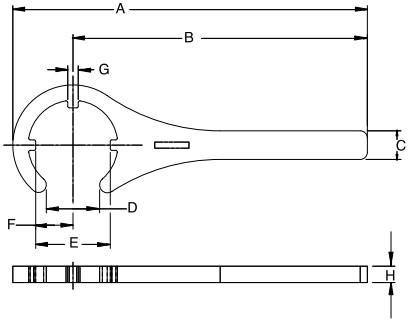
SHAFT SIZE	A	B	C	D	E
5-7/16 5-1/2	9.8425	2-3/4	6-11/64	2.337	8-3/4
5-15/16 6	11.4173	3-7/32	7-5/64	2.768	10-1/4
6-7/16 6-1/2 6-15/16 7	12.5984	3-15/32	7-25/64	2.862	11-13/32

IMPERIAL FEATURES PAGE B10-3 | IMPERIAL SPECIFICATION PAGE B10-6 | IMPERIAL NOMENCLATURE PAGE B10-9 | IMPERIAL SELECTION PAGE B10-12

DIMENSION

DODGE®

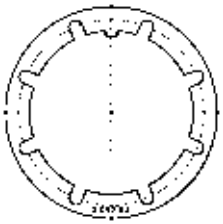
IMPERIAL SPANNER WRENCH



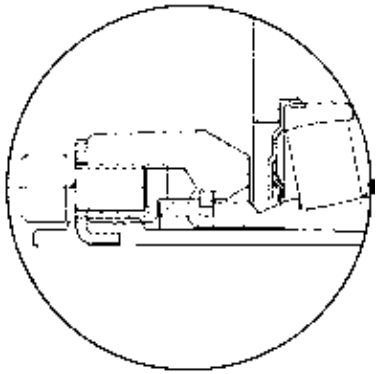
Shaft Size	Part Number	A	B	C	D	E	F	G	H
1-1/8 thru 1-1/2	**066629**	10.84	9.00	0.88	1.63	2.28	1.14	0.32	0.5
1-5/8 thru 1-3/4	**066630**	11.04	9.00	0.88	1.88	2.48	1.24	0.32	0.5
1-7/8 thru 2	**066631**	11.20	9.00	0.88	2.13	2.72	1.36	0.32	0.5
2-3/16 2-1/4	**066632**	12.38	10.00	0.88	2.38	2.98	1.49	0.44	0.5
2-3/8 thru 2-1/2	**066633**	12.63	10.00	1.31	2.63	3.40	1.70	0.44	0.5
2-11/16 thru 3	**066634**	16.90	14.00	1.31	3.13	3.80	1.90	0.44	0.5
3-3/16 thru 3-1/2	**066635**	17.39	14.00	1.31	3.63	4.36	2.18	0.44	0.5
3-11/16 thru 4	**066636**	17.75	14.00	1.75	4.13	4.91	2.46	0.44	0.5
4-7/16 4-1/2	**066637**	20.36	16.00	1.75	4.63	5.68	2.84	0.44	0.5
4-15/16 5	**066638**	25.17	20.00	2.00	5.13	6.88	3.44	0.44	0.5
5-7/16 5-1/2	**066642**	27.82	22.00	2.00	5.63	8.05	4.03	0.69	0.5
5-15/16 6	**066643**	28.75	22.00	2.00	6.13	9.13	4.57	0.75	0.5
6-7/16 thru 7	**066644**	31.54	24.00	2.00	7.13	10.08	5.04	0.75	0.5

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

IMPERIAL LOCKPLATE KIT



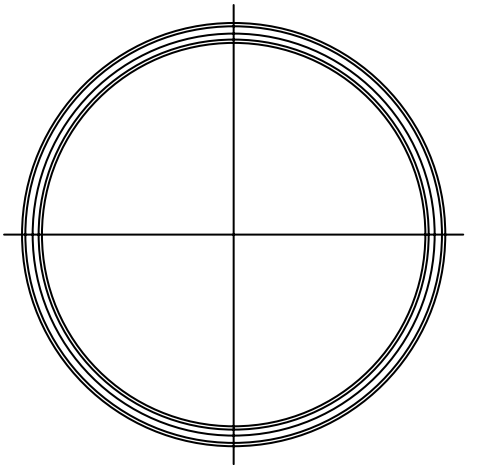
The Lockplate Kits consists of:
Lockplate
2 Socket Head Capscrews
2 Lockwashers

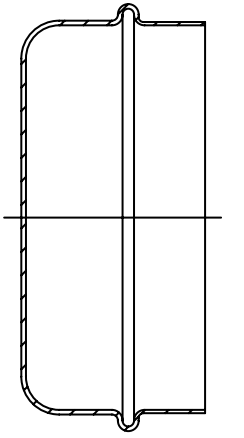


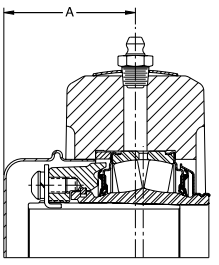
Shaft Size Inch	Part Number
1-7/16	**048925**
1-11/16	**048926**
1-15/16 2 SM	**048927**
2 LG 2-3/16	**048928**
2-3/8 2-7/16	**048929**
2-11/16 2-3/4 2-15/16	**048930**
3-7/16	**048931**
3-15/16	**048932**
4-7/16	**048933**
4-15/16	**048934**

DIMENSION

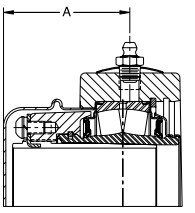
IMPERIAL End Cap



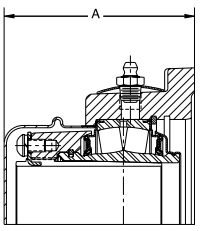




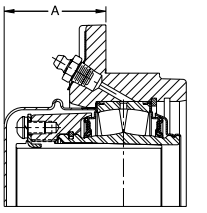
ISAF PILLOW BLOCK



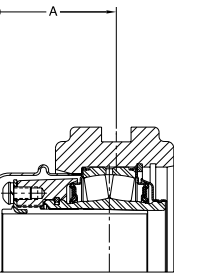
PILLOW BLOCK



FLANGE



PILOTED FLANGE



WS TAKE-UP

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DODGE®

End Caps For IMPERIAL, IMPERIAL-E and ISAF

Shaft Size	Housing Design			
	IMPERIAL		* E-IMPERIAL	
	Part #	Description	Part #	Description
1-1/8 to 1-7/16	**069960**	IPEC08	**069960**	IPEC08
1-1/2	**069960**	IPEC08	**069961**	IPEC09
1-5/8 to 1-11/16	**069961**	IPEC09	**069961**	IPEC09
1-3/4	**069961**	IPEC09	**069962**	IPEC10
1-7/8 to 2	**069962**	IPEC10	**069962**	IPEC10
2-3/16	**069963**	IPEC11	**069963**	IPEC11
2-1/4	**069963**	IPEC11	**069964**	IPEC13
2-3/8 to 2-1/2	**069964**	IPEC13	**069964**	IPEC13
2 11/16 to 3	**069965**	IPEC15	**069965**	IPEC15
3-3/16 to 3-1/2	**069966**	IPEC18	**069966**	IPEC18
3-11/16 to 4	**069967**	S2IPEC20	**069967**	S2IPEC20
4-7/16 to 4-1/2	**069968**	S2IPEC22	**069968**	S2IPEC22
4-15/16 to 5	**069969**	S2IPEC26	**069969**	S2IPEC26

* End Covers for IMPERIAL with Type E dimensioned housing

"A" Dimension

SHAFT SIZE (IN)	IMPERIAL Pillow Block	*IMPERIAL-E Pillow Block	IMPERIAL Piloted Flange	*IMPERIAL-E Piloted Flange	IMPERIAL Flange	*IMPERIAL-E Flange	Wide Slot Take-up	ISAF
1-1/8 thru 1-1/2	1.97	1.83	1.61	1.61	3.06	3.39	2.00	1.98
*1-1/2 1- 5/8 1-11/16 1-3/4	2.16	2.20	1.77	1.77	3.27	4.01	2.13	2.14
*1-3/4 1-7/8 1-15/16 2	2.25	2.00	1.86	1.86	3.41	3.89	2.19	2.29
2-3/16 2-1/4	2.41	2.47	1.94	1.94	3.63	4.47	2.36	2.40
*2-1/4 2-3/8 2-7/16 2-1/2	2.44	2.44	2.09	2.09	3.95	4.63	2.44	2.65
2-11/16 thru 3	2.56	2.54	2.20	2.20	4.09	4.97	2.61	2.74
3-3/16 thru 3-1/2	2.94	2.91	2.78	2.78	4.73	5.65	2.94	3.18
3-11/16 thru 4	3.36	3.67	3.19	3.19	5.38	7.04	3.39	3.57
4-7/16 4-1/2	3.83	3.78	3.89	3.72	N/A	7.49	3.84	3.92
4-15/16 5	4.36	4.33	4.11	3.95	N/A	N/A	4.36	4.42

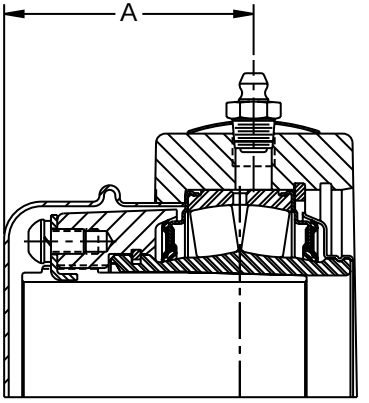
* IMPERIAL With Type E Dimensioned Housing

IMPERIAL FEATURES PAGE B10-3	IMPERIAL SPECIFICATION PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-9	IMPERIAL SELECTION PAGE B10-12

DIMENSION

DODGE®

ISN End Cap



PILLOW BLOCK

SHAFT SIZE (mm)	End Cover P/N	Description	"A" Dimension
30	**069960**	IPEC08	49.5
35	**069960**	IPEC08	49.5
40	**069961**	IPEC09	55
45	**069962**	IPEC10	58.3
50	**069962**	IPEC10	58.3
55	**069963**	IPEC11	61.7
60	**069964**	IPEC13	66.3
65	**069965**	IPEC15	70
70	**069965**	IPEC15	70
75	**069965**	IPEC15	70
80	**069966**	S2IPEC18	78.3
85	**069966**	S2IPEC18	78.3
90	**069967**	S2IPEC20	91.2
100	**069967**	S2IPEC20	91.2
110	**069968**	S2IPEC22	97.7
115	**069969**	S2IPEC26	111.4
125	**069969**	S2IPEC26	111.4

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NOTES

FEATURES/BENEFITS

DODGE UNIFIED SAF and SDAF Pillow Blocks

BEARINGS

Spherical Roller Bearing - 22200, 22300, 23000, 23100 and 23200, tapered bore for adapter mount and straight bore for direct mount.

SPLIT-SPHER Bearing

Complete split replacement for an adapter mounted 22200. Compatible with UNIFIED SAF. Available in inch bores.

SHAFT SIZES

Available for shaft sizes 1-7/16” - 15-3/4” and 40 mm-140 mm in adapter mount. Additional sizes offered in direct mount. Pillow blocks are available in 200, 300, 500 and 600 series.

DIMENSIONS

UNIFIED SAF and SDAF pillow blocks match standard SAF and SDAF inch dimensions.

PLUS YOU GET BUILT-IN DESIGN ADVANCEMENTS.

With DODGE UNIFIED SAF and SDAF pillow blocks, you benefit from a housing that has capabilities for harsh environments that competitive pillow blocks do not have.

VIRTUALLY EVERY FEATURE YOU EVER WANTED IN YOUR PILLOW BLOCK

- Cast-in dimples locate drill holes for lube fittings, vents, sensors and mounting modifications.
- Housing base is threaded to accept four Grade 5 cap bolts for added strength. Cap bolts match base bolts for one-wrench installation.
- Standard housings have two oversized drains adaptable to circulating oil systems.
- Pry slots allow easy separation of the pillow block.

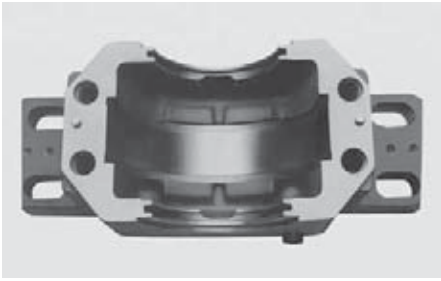
FEATURES/BENEFITS

DODGE®

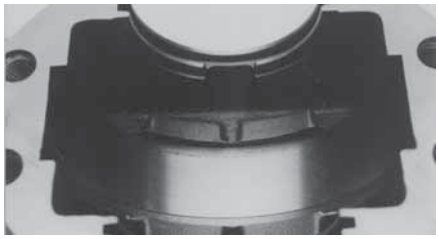
DODGE UNIFIED SAF and SDAF Pillow Blocks

Cast iron, closed-end housings offer greater protection in high pressure washdown environments. Available from stock.

Solid cast iron feet increase strength in both two and four-bolt styles.



Large capacity oil sump lowers operating temperatures, undercut bearing seat allows full lateral travel of expansion bearing, prevents stabilizer ring from binding, makes installation easy.

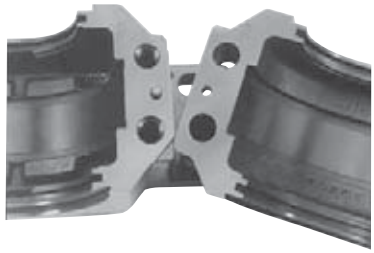


Oil return slots are cast into the interior seal grooves to keep lubricants in. This allows oil in the seal grooves to return to the oil sump instead of leaking.

Standard modifications for wet and harsh environments include nylon coating, epoxy paints and nickel plating, as well as stainless steel hardware.

New drop-in TRIPLE-TECT Seal makes seal installation easier

Exclusive oil-equalization passage simplifies maintenance. Pillow block can be drained completely from either side.



Offset dowels with matched numbers on cap and base joint simplify correct assembly.

DODGE UNIFIED SAF with SPLIT-SPHERE Bearing

SPLIT-SPHER BEARINGS FROM DODGE INCREASE PRODUCTION AND REDUCE DOWNTIME

The SPLIT-SPHER bearing is quick to install. Simplified bearing installation puts equipment back into operation faster and keeps production moving.

HERE'S WHY!

DODGE offers a split-race spherical bearing that fits SAF housings and replaces bearing and adapter assemblies. It's a real cost-saver in every case where the shaft must be stripped of components to permit sliding the new bearing onto its proper shaft location.

DIMENSIONS ARE STANDARD.

The DODGE SPLIT-SPHER bearing has the same O.D. dimensions as a standard spherical bearing. This means you can use a SPLIT-SPHER pillow block on the inaccessible end of a shaft and a standard pillow block on the accessible end. DODGE offers the only split-race bearings made to standard SAF pillow block dimensions.

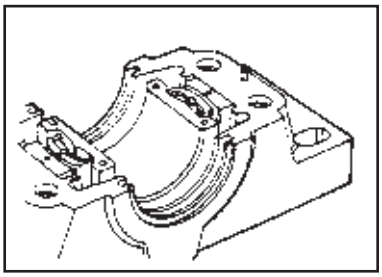
Also, if needed, the backing dimension of the SPLIT-SPHER block can be increased by shimming to meet the requirements of any roller bearing it replaces.

REDUCE REPLACEMENT TIME UP TO 50%.

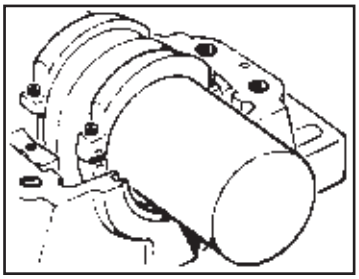
To replace a standard spherical roller bearing with a SPLIT-SPHER insert, remove the cap, elevate the shaft enough to support the load and burn off the failed bearing and adapter with a torch.

The DODGE SPLIT-SPHER replacement lower halves can then be slipped under the shaft, along with the split seals. Bolt the upper halves in place, lower the shaft and replace the cap. There's no need to remove any other shaft-mounted components or move motors and other bulky machinery.

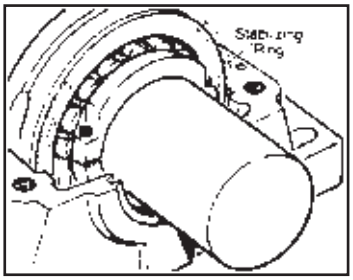
The SPLIT-SPHERE insert is easy to install!



1. Slightly elevate shaft, cut off old bearing and slip lower halves of SPLIT-SPHERE rings and roller assembly beneath shaft



2. Bolt upper half of inner ring to lower half

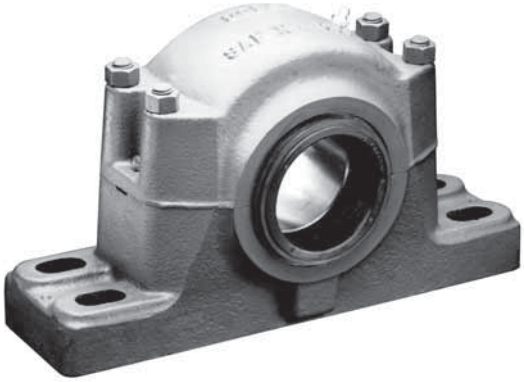


3. Place upper half of roller assembly in position and bolt on upper half of outer ring. Lower shaft and replace housing cap.

FEATURES/BENEFITS

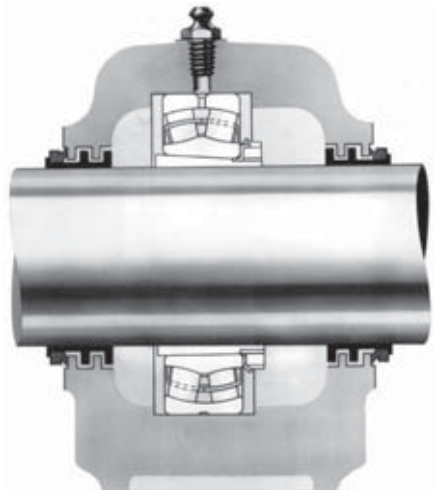
DODGE®

SAF-XT Spherical Roller Bearings



The SAF-XT pillow block has only one grease fitting. Bearings with costly, comparably effective auxiliary seals have up to three grease fittings. The single fitting speeds up lubrication, reduces chance for voids. Complete fill, bearing action, and configuration of reservoir assure maximum purging effectiveness. Grease relief channels result in self-centering positive contact seal. These factors make SAF-XT blocks easy to lubricate.

The SAF-XT Pillow Block Housing is designed for typical SAF dimensional interchangeability, complete with such desirable features as 4-bolt caps, cap removal pry slots, elongated bolt holes, and dimpled feet for doweling. In addition to these features the SAF-XT housing also incorporates a better grease purging/sealing system for extra protection of the bearing in a hostile environment.



FEATURES/BENEFITS

SAFS

DODGE SAFS cast steel pillow blocks mount 22200K series spherical roller bearings on 2-7/16” - 8” shafts.

These pillow blocks are well suited for applications requiring either grease or oil lubrication where adapter mounting is preferred and limited thrust loads are experienced. Cast steel housings provide greater resistance to impact and shock loading than the more economical cast iron pillow blocks. (SPLIT-SPHER bearing and seals may also be installed in SAFS housings. See page B11-76 through B11-85 .)

SAFS pillow blocks are furnished complete with the TRIPLE-TECT combination labyrinth and face rubbing seals. LER triple ring seals are available as an alternate seal for SAFS pillow blocks. Where required, purgeable auxiliary seals and end closures are also available.

SPECIFICATION

Housing

Grade 30 cast iron is the standard housing material except on SAFS housings. When steel housings are required, the SAFS bearing line is recommended.

SPECIAL DRILLING

The standard offering includes a W33 lube hole and fitting, along with a cap vent hole. UNIFIED Bearings also come standard with dual oversized drain holes in the base. Additional holes may be drilled to meet customer specifications for lube, vent and sensor locations. To order, specify holes required from chart on page B11-130 and add to the end of the description. Order by description instead of part number. Minimum order quantities will be required for this special drilling.

SPECIAL FINISHES

A variety of finishes are available for extra corrosion resistance. The standard finish is a water based U.S.D.A. approved paint. When special finishes are specified, DODGE recommends the use of stainless steel cap bolts and grease fittings. To order, specify the “type of finish” required and “stainless bolts and fittings” at the end of the description. Order by description for special finishes.

BEARINGS

Standard bearings offered are 22200 and 22300 series metal caged, double row, spherical bearings with C3 fits in both direct and adapter mounts (shaft sizes larger than 8” are standard with C0 fit). Other fit bearings are available as options, i.e. C0, C4 and C5. Other double row spherical bearing series are available on request including 23000 and 23200 in both direct and adapter mount. Self aligning ball bearing series 1200, 1300 and 2200 in both adapter and direct mount are available on request. To order, specify bearing “series” or “fit” at the end of the description.

For applications requiring modifications not listed, we encourage you to contact our Application Engineering Department for Bearings at 864-284-5700 or Fax 864-281-2317 during the hours of 8:00 a.m. and 5:00 p.m. Eastern time.

Inch

DODGE UNIFIED Spherical Bearings are housed and sealed general purpose, high capacity double row spherical roller bearings. Bearings may be mounted on shafts with adapters, or they may be mounted directly, using interference fits.

The standard material used in housings is ASTM A48 Class 30 Cast iron. Steel versions are also available in the SAFS line on page B11-65 Housings may be modified to suit customer requirements for mounting, venting, lubricating or monitoring of the bearing. Housing designs are available for performance in extreme harsh environments through the use of cast closed ends, nylon coating and stainless steel hardware.

A wide variety of standard seals is available including labyrinth and rubbing seals and combinations of the two. DODGE TRIPLE-TECT* and Drop-in TRIPLE-TECT* seals are recommended for general purpose applications because of their superior combination sealing action. More information on seals is shown on page B11-23.

Locking devices, including tapered adapters and locking washers and nuts, are available to accommodate both commercial and precision machined shafting.

How to Order Dodge UNIFIED Bearings

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers, with listings shown throughout this catalog. Use of part numbers insures accurate order processing.

When part numbers are not shown, the product may be specified by description. This method is used when ordering units that include modifications/options. To order by description, use the nomenclature key shown on page B11-10 and add any special instructions to the end of the description for options not covered by the nomenclature.

* Patent numbers 4348067 and 5259628

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NOMENCLATURE

DODGE®

Complete Pillow Block - Inch

P2B - 515 - USAF - 207 - TT

HOUSING STYLE

P2B -	2 Bolt Base Pillow Block, Cast Iron, Both Ends Open
P4B -	4 Bolt Base Pillow Block, Cast Iron, Both Ends Open
CP2B -	2 Bolt Base Pillow Block, Cast Iron, One End Closed
CP4B -	4 Bolt Base Pillow Block, Cast Iron, One End Closed

BEARING SERIES AND HOUSING SIZE

2XX -	For Direct Mount 22200 Series Bearing
3XX -	For Direct Mount 22300 Series Bearing
5XX -	For Adapter Mounted 22200K Series Bearing
6XX -	For Adapter Mounted 22300K Series Bearing
0XX -	For Adapter Mounted 23000K Series Bearing

TYPE OF MOUNTED BEARING

USAF -	UNIFIED SAF Pillow Block (Inch Dimensions)
USDAF -	UNIFIED SDAF Pillow Block
SS -	SPLIT-SPHER Pillow Block

SIZE INCHES

207	- Inches & 16ths
2 =	2”
07 =	7/16”
107 =	1-7/16”
111 =	1-11/16”
115 =	1-15/16”
203 =	2-3/16”
207 =	2-7/16”
208 =	2-1/2”
211 =	2-11/16”
212 =	2-3/4”
215 =	2-15/16”
300 =	3”
303 =	3-3/16”
307 =	3-7/16”
308 =	3-1/2”
315 =	3-15/16”
400 =	4”
403 =	4-3/16”
407 =	4-7/16”
408 =	4-1/2”
415 =	4-15/16”
500 =	5”
503 =	5-3/16”
507 =	5-7/16”
508 =	5-1/2”
515 =	5-15/16”
600 =	6”
607 =	6-7/16”
608 =	6-1/2”
615 =	6-15/16”
700 =	7”
703 =	7-3/16”
708 =	7-1/2”
715 =	7-15/16”
800 =	8”
807 =	8-7/16”
808 =	8-1/2”
815 =	8-15/16”
900 =	9”
907 =	9-7/16”
908 =	9-1/2”
915 =	9-15/16”
1000 =	10”
1007 =	10-7/16”
1008 =	10-1/2”

SEAL TYPE

TT -	TRIPLE-TECT
LER -	Metal Labyrinth
SS -	Split Non-Metallic Labyrinth
TTDN -	Drop-In TRIPLE-TECT
AUX -	Auxiliary (Taconite)
EC -	End Closure

For monitor equipped pillow blocks a C preceding the pillow block designation indicates closed ends

FEATURES/BENEFITS PAGE B11-3	SPECIFICATION PAGE B11-8	HOW TO ORDER PAGE B11-9	SELECTION/DIMENSIONS PAGE B11-30

NOMENCLATURE

Housing Only (Housing and Stab Ring) Inch

H4S - 515 - USAF

HOUSING STYLE

H2S - 2 Bolt Base Pillow Block, Cast Iron, Both Ends Open

H4S - 4 Bolt Base Pillow Block, Cast Iron, Both Ends Open

CH2S - 2 Bolt Base Pillow Block, Cast Iron, One End Closed

HOUSING TYPE AND SIZE

2XX - For Direct Mount 22200 Series Bearing

3XX - For Direct Mount 22300 Series Bearing

5XX - For Adapter Mounted 22200K Series Bearing

6XX - For Adapter Mounted 22300K Series Bearing

0XX - For Adapter Mounted 23000K Series Bearing

31XX - For Adapter Mounted 23100K Series Bearing

32XX - For Adapter Mounted 23200K Series Bearing

TYPE OF MOUNTED BEARING HOUSING

USAF - UNIFIED SAF Cast Iron Pillow Block Housing (Inch Dimensions)

USDAF - UNIFIED SDAF Cast Iron Pillow Block Housing (Inch Dimensions)

NOMENCLATURE

DODGE®

Housing Assembly (Housing and Stab Ring and Seals) - Inch

FSAF - 518 X 3-15/16 TTDN CLSD

HOUSING STYLE

SAF - 2 Bolt pillow block housing (4 bolt when no 2 bolt offered)

FSAF - 4 bolt pillow block housing when 2 bolt offered

SDAF - 4 Bolt pillow block housing

HOUSING TYPE AND SIZE

2XX - For Direct Mount 22200 Series Bearing

3XX - For Direct Mount 22300 Series Bearing

5XX - For Adapter Mounted 2200K Series Bearing

6XX - For Adapter Mounted 22300K Series Bearing

0XX - For Adapter Mounted 23000K Series Bearing

31XX - For Adapter Mounted 23100K Series Bearing

32XX - For Adapter Mounted 23200K Series Bearing

SHAFT SIZE INCHES

SEAL TYPE

TT - TRIPLE-TECT

LER - Metal Labyrinth

TTDN - Drop-In TRIPLE-TECT

OTHER

Blank - Both Ends Open

CLSD - Cast Closed One End

FEATURES/BENEFITS PAGE B11-3	SPECIFICATION PAGE B11-8	HOW TO ORDER PAGE B11-9	SELECTION/DIMENSIONS PAGE B11-30

NOMENCLATURE

DODGE®

Bearing

BRG 22215K C3AH

BEARING	BEARING SERIES	OTHER DATA
BRG - Roller Bearing	Spherical Solid Ring Type 222 = 22200 Series 223 = 22300 Series 230 = 23000 Series 231 = 23100 Series 232 = 23200 Series SS Denotes Spherical Split Ring Type K - Tapered Adapter Sleeve Mounting. Otherwise Bearing Has Cylindrical Bore for Direct Mounting.	C3 = Bearing clearance AH = Air Handling reference

NOMENCLATURE

DODGE®

Seals - Inch

28 TT 207

SEAL GROUP NUMBER

Seals of the Same Group Number All Fit the Same Housings.

TYPE OF SEAL

- TT - TRIPLE-TECT
- TTDN - TRIPLE-TECT with Drop-In Feature
- LER - Metallic Labyrinth Seal
- AUX - Auxiliary (Taconite) Seal
- SS - Split Seal (Non-Metallic LER)

SEAL BORE SIZE

Inches and 16ths
2 = 2" and 07 =7/16" or
207 = 2-7/16"

Seal Group Number &Shaft Size	Fits Housing Sizes	Seal Group Number &Shaft Size	Fits Housing Sizes	Seal Group Number &Shaft Size	Fits Housing Sizes
08-107	308, 509 & 609	50-315	522 & 622	78-715	544
10-111	309, 510 & 610	50-400	522 & 622	78-800	544
12-114	310	52-403	222, 322, 524 & 624	80-805	244
12-115	308, 511 & 611	54-407	526 & 626	80-806	238 & 338
14-201	311	54-408	220, 320, 526 & 626	82-812	240
14-202	309	54-409	224 & 324	84-907	052
14-203	513 & 613	56-414	222 & 322	84-908	052
14-204	312	56-415	226, 326, 528 & 628	84-909	244
18-206	310	56-500	528 & 628	90-807	048
20-207	515 & 615	58-503	530 & 630	90-808	048
20-208	515 & 615	58-505	224, 324, 228 & 328	90-815	048
22-207	313	60-507	532 & 632	90-900	048
22-209	311	60-508	532 & 632	92-915	056
22-210	314	62-512	230 & 330	92-1000	056
24-211	516 & 616	62-514	226 & 236	94-1007	056L
24-212	516 & 616	64-515	534 & 634	94-1008	056L
24-213	215 & 315	64-600	534 & 634	96-1015	060, 3160, 3260
26-214	312	64-601	232 & 332	96-1100	060, 3160, 3260
28-215	517 & 617	66-604	228 & 328	98-1107	064
28-300	216, 316, 517 & 617	68-607	234, 334 & 536	98-1108	064
28-301	313	68-608	536	100-1115	064L, 3164, 3264
32-303	217 & 317	70-610	230 & 330	100-1200	064L, 3164, 3264
32-304	314	72-614	236	102-1207	068, 168, 268
34-303	518	72-615	538 & 638	104-1215	072
36-306	218	72-700	232, 332, 538 & 638	104-1300	072
38-307	215 & 315	74-703	540	106-1307	072L, 3172
38-310	216 & 316	74-704	238 & 338	106-1308	072L, 3172
42-315	217 & 317	76-707	234 & 334	108-1315	076, 3176
44-402	218	76-708	544S	108-1400	076, 3176
46-307	520 & 620	76-710	240	110-1500	80
46-308	520 & 620	78-713	236	112-1512	84
50-313	220 & 320				

Note: For bore size interchange see chart on page B11-13.

FEATURES/BENEFITS PAGE B11-3	SPECIFICATION PAGE B11-8	HOW TO ORDER PAGE B11-9	SELECTION/DIMENSIONS PAGE B11-30

NOMENCLATURE

Adapter Assemblies - Inch

SNW 15 - 207

ADAPTER ASSEMBLY TYPE	BEARING SIZE	ADAPTER BORE SIZE
SNW = Sleeve, Nut and Washer Assembly thru 44 (8 inch) Size SNP = Sleeve, Nut and Lockplate Assembly 048 (8-7/16") and Larger Sizes	Up to 8" shaft size last two digits of bearing numerical description. For larger sizes last four digits.	Inches and 16ths 2 = 2" and 07 =7/16" or 207 = 2-7/16" See size listing page B11-10

H3 15 - SNW - 207

ADAPTER ASSEMBLY TYPE	BEARING SIZE	SNW	ADAPTER BORE SIZE
H3 Adapter Series for 22200K Series Bearings thru 4" Bore Size H31 Adapter Series for 22200K & 23100K Series Bearings Greater Than 4" H23 Adapter Series for 22300K Series Bearings H32 Adapter Series for 23200K Series Bearings	Last two digits of bearing numerical description.	SNW = Sleeve, Nut and Washer Assembly thru 544 (8") Size SNP = Sleeve Nut and Plate Assembly from 048 thru 084, 3156 thru 3176, & 3252 thru 3268	Inches and 16ths 2 = 2" and 07 =7/16" or 207 = 2-7/16" See size listing page B11-10

SELECTION

UNIFIED Pillow Block - Spherical Roller Bearings

(USAF 500, 600, 200, 300 SERIES AND USDAF 23000, 23100, 23200)

DODGE UNIFIED Spherical Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE UNIFIED Spherical Roller Bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-284-5700) for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10}\ \text{Life, Hours} = \left(\frac{C}{P}\right)^{0.3} X \left(\frac{16667}{RPM}\right)$$

Where: C = Dynamic Capacity (Table 1, page B11-19 for USAF) lbs.

P = Equivalent Radial Load, lbs.

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. Where substantial radial loads are also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements.

RPM	20-200	201-2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for adaptor mounted bearings. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see B11-23 and for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of plummer blocks.

NOTE: Spherical bearings require a radial load at least equal to the thrust load for proper operation ($F_a/F_R = 1$). If the thrust load exceeds this limit, consult Application Engineering.

SHAFT TOLERANCES

SHAFT SIZE	SHAFT TOLERANCE, inches
Up To 1-1/2”	+.000 -.002”
1-9/16 to 2-1/2”	+.000 -.003”
2-5/8 to 4”	+.000 -.004”
4-3/16 to 6”	+.000 -.005”
6-7/16” and above	+.000 -.006”

* Use the smaller of this value or the adaptor maximum allowable thrust load list in Table 1.

UNIFIED Pillow Block - Spherical Roller Bearings

SELECTING BEARING SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R

   F_R = P for Pure Radial Load Conditions

   P = Equivalent radial load, lbs
   The DODGE program BEST™★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 1, page B11-19 , under the RPM column, find the equivalent radial load that equals or is higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application.If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours
2. Radial load = 4000 lbs.
3. RPM = 1,000

At the intersection of the 950 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4555 lbs. exceeds the 4000 lbs. application radial load for shaft size 1-11/16 adapter mount (223110K series bearing) and for shaft size 50 mm direct mount (22310 series bearing). Also, the equivalent radial load of 4070 lbs. exceeds the 4000 lbs. application radial load for shaft size 2-3/16" adapter mount (22213K series bearing) and for shaft size 65mm direct mount (22213 series bearing). Therefore, the follow bearings can be used to meet the application conditions of the above example:

1. 1-11/16" adapter mount — 22310K bearing
2. 50 mm direct mount — 22310 bearing

OR

3. 2-3/16" adapter mount — 22213K bearing
4. 65 mm direct mount — 22213 bearing

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity **C** is identified in terms of L_{10}, RPM and P

$$C = \left(\frac{L_{10} \times RPM}{16667} \right)^{0.3} \times P$$

(P = F_R for Pure Radial Load Conditions)

Since the L_{10}, RPM and P are known, solve for **C**. Select from the dynamic capacity column on Table 1, page B11-19 the **C** value equal to or greater than the **C** value just calculated. The bore size on the far left represents the minimum shaft size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1, page B11-19. Also check that the radial load does not exceed the Maximum Allowable Slip Fit Radial Load shown on Table 1. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

★ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at www.ptwizard.com under the Product Section area.

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SELECTION

UNIFIED Pillow Block - Spherical Roller Bearings

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1, page B11-19 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

Equation 1

The equivalent radial load $P = XF_R + YF_A$
Where:

P = Equivalent radial load, lbs.
F_R = Radial load, lbs.
F_A = Thrust (axial) load, lbs.
e = Thrust load to radial load factor (Table 1)★
X = Radial load factor (Table 1)★
Y = Thrust load factor (Table 1)★

Calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10} life in hours, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. They will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-284-5700) or FAX (864-281-2317) during the hours of 8:00 a.m. and 5:00 p.m. Eastern Time.

AXIAL EXPANSION CAPABILITY

Axial expansion capability for UNIFIED SAF 500, 600, 200 and 300 pillow blocks is shown on B11-29. DODGE supplies all UNIFIED pillow block housings with the appropriate stabilizing ring. When the stabilizing ring is used, the pillow block becomes a non-expansion pillow block. Not using the stabilizing ring allows shaft and bearing axial expansion. Proper mounting of the stabilizing ring is shown on housing dimension pages.

UNIFIED Pillow Block - Spherical Roller Bearings

Table 1: Radial & Thrust Factors For USAF Spherical Bearings

Shaft Size		Bearing Series	e	FA/FR ≤ e		FA/FR>e		Adapter Maximum Allowable Thrust Load Pound †	Dynamic Capacity (C) Pounds	Static Capacity (Co) Lbs.	Maximum RPM	
Adapter Mounted Inches	Direct Mount mm			X	Y	X	Y				Grease	Oil
-	40	22308	.36	1	1.9	0.67	2.8	-	35,500	33,500	4300	5300
1-7/16	---	**22209**	.26	1	2.6	0.67	3.9	698	24,500	23,600	5600	7000
	45	22309	.36	1	1.9	0.67	2.8	1092	42,500	41,500	3800	4800
1-11/16	---	**22210**	.24	1	2.8	0.67	4.2	775	26,000	26,500	5300	6700
	50	22310	.36	1	1.9	0.67	2.8	1348	51,000	50,000	3400	4300
1-15/16	---	**22211**	.23	1	2.9	0.67	4.4	927	31,500	32,500	4500	5600
	55	22311	.36	1	1.9	0.67	2.8	1672	60,000	58,500	3200	4000
	60	22312	.35	1	1.9	0.67	3	-	69,500	69,500	2800	3600
2-3/16	---	**22213**	.24	1	2.8	0.67	4.2	1359	45,500	47,500	3800	4500
	65	22313	.34	1	2	0.67	3	2104	78,000	81,500	2600	3400
	70	22314	.34	1	2	0.67	3	-	86,500	86,500	2400	3200
2-7/16	75	**22215**	.22	1	3.1	0.67	4.6	1568	48,000	53,000	3400	4300
2-1/2		22315	.34	1	2	0.67	3	2782	100,000	102,000	2200	3000
2-11/16	80	**22216**	.22	1	3.1	0.67	4.7	1780	56,000	60,000	3200	4000
2-3/4		22316	.34	1	2	0.67	3	3128	112,000	114,000	2200	3000
2-15/16	85	**22217**	.22	1	3.1	0.67	4.5	2063	68,000	73,500	3000	3800
3		22317	.33	1	2	0.67	3	3438	122,000	125,000	2000	2800
3-3/16	90	22218	.23	1	2.9	0.67	4.3	2429	78,000	85,000	2600	3400
3-7/16	100	**22220**	.24	1	2.8	0.67	4.2	3102	96,500	106,000	2200	3000
3-1/2		22320	.34	1	2	0.67	3	4920	183,000	208,000	1700	2200
3-15/16	110	**22222**	.25	1	2.7	0.67	4	3931	122,000	134,000	2000	2800
4		22322	.33	1	2.1	0.67	3.1	5934	212,000	240,000	1500	1900
4-3/16	120	**22224**	.25	1	2.7	0.67	4	4693	143,000	166,000	1900	2400
		22324	.33	1	2.1	0.67	3.1	6959	240,000	265,000	1400	1800
4-7/16	130	**22226**	.26	1	2.6	0.67	3.9	5610	170,000	200,000	1800	2200
4-1/2		22326	.33	1	2.1	0.67	3.1	8152	280,000	310,000	1300	1700
4-15/16	140	**22228**	.25	1	2.7	0.67	4	6419	196,000	236,000	1700	2200
5		22328	.34	1	2	0.67	3	9628	325,000	365,000	1200	1600
5-3/16	150	**22230**	.25	1	2.7	0.67	4	7383	228,000	275,000	1600	2000
		22330	.33	1	2	0.67	3	10923	365,000	415,000	1100	1500
5-7/16	160	**22232**	.26	1	2.6	0.67	3.9	8630	260,000	315,000	1500	1800
5-1/2		22332	.37	1	1.8	0.67	2.7	12298	325,000	365,000	1000	1400
5-15/16	170	**22234**	.26	1	2.6	0.67	3.9	9858	300,000	355,000	1300	1700
6		22334	.37	1	1.8	0.67	2.7	13755	360,000	475,000	950	1300
6-7/16	180	**22236**	.25	1	2.7	0.67	4	10437	308,000	375,000	1300	1600
6-1/2		22336	.37	1	1.8	0.67	2.7	15291			900	1100
6-15/16	190	**22238**	.28	1	2.4	0.67	3.6	11786	270,000	415,000	1200	1300
7		22338	.37	1	1.8	0.67	2.7	16910	415,000	570,000	850	1100
7-3/16	200	22240	.29	1	2.3	0.67	3.5	13215	300,000	450,000	1100	1200
7-1/2 7-15/16 8	220	**22244**	.29	1 1 1	2.3	0.67	3.5	16020	365,000	550,000	950	1000
8-7/16 8-1/2 8-15/16, 9	-	**23048**	.25	1 1 1	2.7	0.67	4.1	14887	260,000	490,000	950	1000
9-7/16 9-1/2	-	**23052**	.26	1 1	2.6	0.67	3.9	18232	340,000	630,000	900	950
9-15/16,10 10-7/16 10-1/2	-	**23056**	.25	1 1 1	2.7	0.67	4.1	20000	345,000	670,000	850	900

If the thrust load exceeds adapter maximum allowable thrust load, auxiliary methods of carrying thrust are required.

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SELECTION

DODGE®

UNIFIED Pillow Block - Spherical Roller Bearings

Table 2: Selection Table for UNIFIED SAF Pillow Blocks

Shaft Size		Bearing Series	L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute															
Adapter Mount (Inches)	Direct Mount (mm)			50	100	250	500	750	950	1,300	1,500	1,800	2,000	2,600	3,000	3,200	3,400	4500	5,600
-	40	22308	10,000	12,797	10,394	7,896	6,413	5,679	5,290	4,815	4,613	4,367	4,231	3,911	3,747	3,675	3,609	3,318	
			30,000	9,204	7,476	5,679	4,613	4,084	3,805	3,463	3,318	3,141	3,043	2,813	2,695	2,643	2,595	2,386	
			60,000	7,476	6,072	4,613	3,747	3,318	3,090	2,813	2,695	2,551	2,472	2,285	2,189	2,147	2,108	1,938	
1 -7/16	-	22209	**10,000**	**8,831**	**7,173**	**5,449**	**4,426**	**3,919**	**3,651**	**3,323**	**3,183**	**3,014**	**2,920**	**2,699**	**2,586**	**2,536**	**2,490**	**2,290**	**2,144**
			30,000	**6,352**	**5,159**	**3,919**	**3,183**	**2,819**	**2,626**	**2,390**	**2,290**	**2,168**	**2,100**	**1,941**	**1,860**	**1,824**	**1,791**	**1,647**	**1,542**
			60,000	**5,159**	**4,191**	**3,183**	**2,586**	**2,290**	**2,133**	**1,941**	**1,860**	**1,761**	**1,706**	**1,577**	**1,511**	**1,482**	**1,455**	**1,338**	**1,253**
	45	22309	10,000	15,320	12,444	9,453	7,678	6,799	6,333	5,765	5,522	5,228	5,066	4,682	4,485	4,399	4,320	3,972	
			30,000	11,018	8,950	6,799	5,522	4,890	4,555	4,146	3,972	3,760	3,643	3,368	3,226	3,164	3,107	2,857	
			60,000	8,950	7,269	5,522	4,485	3,972	3,700	3,368	3,226	3,054	2,959	2,735	2,620	2,570	2,524	2,320	
1-11/16	-	22210	**10,000**	**9,372**	**7,613**	**5,783**	**4,697**	**4,159**	**3,874**	**3,527**	**3,378**	**3,199**	**3,099**	**2,864**	**2,744**	**2,691**	**2,643**	**2,430**	**2,275**
			30,000	**6,741**	**5,475**	**4,159**	**3,378**	**2,991**	**2,787**	**2,536**	**2,430**	**2,300**	**2,229**	**2,060**	**1,974**	**1,936**	**1,901**	**1,748**	**1,637**
			60,000	**5,475**	**4,447**	**3,378**	**2,744**	**2,430**	**2,263**	**2,060**	**1,974**	**1,869**	**1,810**	**1,673**	**1,603**	**1,572**	**1,544**	**1,419**	**1,329**
	50	22310	10,000	18,384	14,932	11,343	9,214	8,158	7,600	6,917	6,627	6,274	6,079	5,619	5,383	5,279	5,184		
			30,000	13,222	10,740	8,158	6,627	5,868	5,466	4,975	4,766	4,512	4,372	4,041	3,871	3,797	3,729		
			60,000	10,740	8,723	6,627	5,383	4,766	4,440	4,041	3,871	3,665	3,551	3,282	3,144	3,084	3,029		
1-15/16	-	22211	**10,000**	**11,355**	**9,223**	**7,006**	**5,691**	**5,039**	**4,694**	**4,273**	**4,093**	**3,875**	**3,755**	**3,470**	**3,325**	**3,261**	**3,202**	**2,944**	**2,757**
			30,000	**8,167**	**6,633**	**5,039**	**4,093**	**3,624**	**3,376**	**3,073**	**2,944**	**2,787**	**2,700**	**2,496**	**2,391**	**2,345**	**2,303**	**2,117**	**1,983**
			60,000	**6,633**	**5,388**	**4,093**	**3,325**	**2,944**	**2,742**	**2,496**	**2,391**	**2,264**	**2,193**	**2,027**	**1,942**	**1,905**	**1,871**	**1,720**	**1,611**
	55	22311	10,000	21,628	17,567	13,345	10,840	9,598	8,941	8,138	7,796	7,381	7,152	6,610	6,332	6,211	6,099		
			30,000	15,555	12,635	9,598	7,796	6,903	6,431	5,853	5,607	5,309	5,144	4,754	4,554	4,467	4,387		
			60,000	12,635	10,263	7,796	6,332	5,607	5,223	4,754	4,554	4,312	4,178	3,862	3,699	3,628	3,563		
-	60	22312	**10,000**	**25,052**	**20,349**	**15,458**	**12,556**	**11,118**	**10,357**	**9,427**	**9,031**	**8,550**	**8,284**	**7,657**	**7,335**	**7,194**	**7,065**		
			30,000	**18,018**	**14,635**	**11,118**	**9,031**	**7,996**	**7,449**	**6,780**	**6,495**	**6,149**	**5,958**	**5,507**	**5,276**	**5,174**	**5,081**		
			60,000	**14,635**	**11,888**	**9,031**	**7,335**	**6,495**	**6,050**	**5,507**	**5,276**	**4,995**	**4,839**	**4,473**	**4,285**	**4,203**	**4,127**		
2 -3/16	-	22213	10,000	16,401	13,322	10,120	8,220	7,279	6,780	6,171	5,912	5,597	5,423	5,013	4,802	4,710	4,625	4,252	
			30,000	11,796	9,581	7,279	5,912	5,235	4,877	4,439	4,252	4,026	3,901	3,605	3,454	3,388	3,327	3,058	
			60,000	9,581	7,783	5,912	4,802	4,252	3,961	3,605	3,454	3,270	3,168	2,928	2,805	2,752	2,702	2,484	
	65	22313	10,000	28,116	22,838	17,349	14,092	12,478	11,623	10,580	10,135	9,596	9,297	8,593	8,232	8,074	7,929		
			30,000	20,222	16,425	12,478	10,135	8,974	8,360	7,609	7,289	6,901	6,687	6,180	5,921	5,807	5,703		
			60,000	16,425	13,342	10,135	8,232	7,289	6,790	6,180	5,921	5,606	5,431	5,020	4,809	4,717	4,632		
-	70	22314	10,000	31,180	25,326	19,239	15,627	13,837	12,890	11,732	11,239	10,641	10,310	9,530	9,129	8,954			
			30,000	22,426	18,215	13,837	11,239	9,952	9,271	8,438	8,084	7,653	7,415	6,854	6,566	6,440			
			60,000	18,215	14,795	11,239	9,129	8,084	7,530	6,854	6,566	6,217	6,023	5,567	5,333	5,231			
2-7/16 2-1/2	75	22215	**10,000**	**17,302**	**14,054**	**10,676**	**8,672**	**7,679**	**7,153**	**6,511**	**6,237**	**5,905**	**5,721**	**5,288**	**5,066**	**4,969**	**4,879**		
			30,000	**12,444**	**10,108**	**7,679**	**6,237**	**5,523**	**5,145**	**4,683**	**4,486**	**4,247**	**4,115**	**3,803**	**3,644**	**3,574**	**3,509**		
			60,000	**10,108**	**8,210**	**6,237**	**5,066**	**4,486**	**4,179**	**3,803**	**3,644**	**3,450**	**3,342**	**3,089**	**2,959**	**2,903**	**2,850**		
	75	22315	10,000	36,047	29,279	22,242	18,066	15,997	14,902	13,564	12,994	12,302	11,919	11,017	10,554				
			30,000	25,926	21,058	15,997	12,994	11,505	10,718	9,755	9,345	8,848	8,573	7,924	7,591				
			60,000	21,058	17,105	12,994	10,554	9,345	8,706	7,924	7,591	7,187	6,963	6,436	6,166				
2- 11/16 2-3/4	80	22216	**10,000**	**20,186**	**16,396**	**12,456**	**10,117**	**8,958**	**8,345**	**7,596**	**7,276**	**6,889**	**6,675**	**6,170**	**5,910**	**5,797**	**5,692**		
			30,000	**14,518**	**11,793**	**8,958**	**7,276**	**6,443**	**6,002**	**5,463**	**5,233**	**4,955**	**4,801**	**4,437**	**4,251**	**4,169**	**4,094**		
			60,000	**11,793**	**9,579**	**7,276**	**5,910**	**5,233**	**4,875**	**4,437**	**4,251**	**4,025**	**3,899**	**3,604**	**3,453**	**3,387**	**3,325**		
	80	22316	10,000	40,372	32,793	24,911	20,234	17,917	16,690	15,191	14,553	13,778	13,350	12,339	11,821				
			30,000	29,037	23,585	17,917	14,553	12,886	12,004	10,926	10,467	9,910	9,601	8,875	8,502				
			60,000	23,585	19,157	14,553	11,821	10,467	9,750	8,875	8,502	8,049	7,799	7,208	6,905				

Note: Dark Shaded Areas Require Circulating Oil
Light Shaded Areas Require Static Oil

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UNIFIED Pillow Block - Spherical Roller Bearings

Table 2: Selection Table for UNIFIED SAF Pillow Blocks

Shaft Size		Bearing Series	L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute															
Adapter Mount (Inches)	Direct Mount (mm)			50	100	250	500	750	950	1,300	1,500	1,800	2,000	2,600	3,000	3,200	3,400	4500	5,600
2 -15/16 3	85	**22217**	**10,000**	**24,512**	**19,910**	**15,125**	**12,285**	**10,878**	**10,133**	**9,223**	**8,836**	**8,365**	**8,105**	**7,492**	**7,177**	**7,039**	**6,912**		
			30,000	**17,629**	**14,320**	**10,878**	**8,836**	**7,824**	**7,288**	**6,634**	**6,355**	**6,017**	**5,829**	**5,388**	**5,162**	**5,063**	**4,971**		
			60,000	**14,320**	**11,631**	**8,836**	**7,177**	**6,355**	**5,920**	**5,388**	**5,162**	**4,887**	**4,735**	**4,377**	**4,193**	**4,112**	**4,038**		
	85	22317	10,000	43,977	35,720	27,135	22,041	19,516	18,180	16,548	15,852	15,008	14,541	13,441					
			30,000	31,629	25,691	19,516	15,852	14,037	13,076	11,901	11,401	10,794	10,459	9,667					
			60,000	25,691	20,868	15,852	12,876	11,401	10,621	9,667	9,261	8,768	8,495	7,852					
3-3/16	90	**22218**	**10,000**	**28,116**	**22,838**	**17,349**	**14,092**	**12,478**	**11,623**	**10,580**	**10,135**	**9,596**	**9,297**	**8,593**	**8,232**	**8,074**	**7,929**		
			30,000	**20,222**	**16,425**	**12,478**	**10,135**	**8,974**	**8,360**	**7,609**	**7,289**	**6,901**	**6,687**	**6,180**	**5,921**	**5,807**	**5,703**		
			60,000	**16,425**	**13,342**	**10,135**	**8,232**	**7,289**	**6,790**	**6,180**	**5,921**	**5,606**	**5,431**	**5,020**	**4,809**	**4,717**	**4,632**		
3 -7/16 3-1/2	100	**22220**	**10,000**	**34,785**	**28,254**	**21,464**	**17,434**	**15,437**	**14,380**	**13,089**	**12,539**	**11,871**	**11,502**	**10,631**	**10,185**				
			30,000	**25,018**	**20,321**	**15,437**	**12,539**	**11,103**	**10,343**	**9,414**	**9,018**	**8,538**	**8,273**	**7,646**	**7,325**				
			60,000	**20,321**	**16,506**	**12,539**	**10,185**	**9,018**	**8,401**	**7,646**	**7,325**	**6,935**	**6,719**	**6,211**	**5,950**				
	100	22320	10,000	65,966	53,581	40,703	33,061	29,275	27,270	24,821	23,778	22,513	21,812						
			30,000	47,444	38,536	29,275	23,778	21,055	19,613	17,852	17,102	16,192	15,688						
			60,000	38,536	31,301	23,778	19,314	17,102	15,931	14,500	13,891	13,152	12,742						
3 -15/16 4	110	**22222**	**10,000**	**43,977**	**35,720**	**27,135**	**22,041**	**19,516**	**18,180**	**16,548**	**15,852**	**15,008**	**14,541**	**13,441**					
			30,000	**31,629**	**25,691**	**19,516**	**15,852**	**14,037**	**13,076**	**11,901**	**11,401**	**10,794**	**10,459**	**9,667**					
			60,000	**25,691**	**20,868**	**15,852**	**12,876**	**11,401**	**10,621**	**9,667**	**9,261**	**8,768**	**8,495**	**7,852**					
	110	22322	10,000	76,419	62,072	47,153	38,300	33,914	31,592	28,755	27,546	26,080							
			30,000	54,962	44,643	33,914	27,546	24,391	22,722	20,681	19,812	18,758							
			60,000	44,643	36,262	27,546	22,375	19,812	18,456	16,798	16,092	15,236							
4 -3/16	120	22224	**10,000**	**51,547**	**41,869**	**31,806**	**25,835**	**22,876**	**21,310**	**19,396**	**18,581**	**17,592**	**17,045**						
			30,000	**37,074**	**30,113**	**22,876**	**18,581**	**16,453**	**15,326**	**13,950**	**13,364**	**12,652**	**12,259**						
			60,000	**30,113**	**24,460**	**18,581**	**15,092**	**13,364**	**12,449**	**11,331**	**10,855**	**10,277**	**9,957**						
	120	22324	10,000	86,512	70,270	53,381	43,359	38,393	35,764	32,553	31,185	29,525							
			30,000	62,222	50,540	38,393	31,185	27,613	25,723	23,413	22,429	21,235							
			60,000	50,540	41,051	31,185	25,330	22,429	20,893	19,017	18,218	17,248							
4 -7/16 4-1/2	130	22226	**10,000**	**61,279**	**49,774**	**37,812**	**30,712**	**27,195**	**25,333**	**23,058**	**22,089**	**20,913**	**20,263**						
			30,000	**44,074**	**35,799**	**27,195**	**22,089**	**19,559**	**18,220**	**16,584**	**15,887**	**15,041**	**14,573**						
			60,000	**35,799**	**29,078**	**22,089**	**17,942**	**15,887**	**14,799**	**13,470**	**12,904**	**12,217**	**11,837**						
	130	22326	10,000	100,931	81,981	62,278	50,585	44,792	41,725	37,978	36,382								
			30,000	72,592	58,963	44,792	36,382	32,215	30,010	27,315	26,167								
			60,000	58,963	47,893	36,382	29,551	26,167	24,375	22,186	21,254								
4 -15/16 5	140	22228	**10,000**	**70,652**	**57,387**	**43,594**	**35,410**	**31,354**	**29,208**	**26,585**	**25,467**	**24,112**	**23,362**						
			30,000	**50,814**	**41,274**	**31,354**	**25,467**	**22,551**	**21,007**	**19,120**	**18,317**	**17,342**	**16,802**						
			60,000	**41,274**	**33,525**	**25,467**	**20,686**	**18,317**	**17,063**	**15,530**	**14,878**	**14,086**	**13,648**						
	140	22328	10,000	117,152	95,157	72,287	58,715	51,990	48,431	44,082	42,229								
			30,000	84,258	68,439	51,990	42,229	37,393	34,833	31,705	30,372								
			60,000	68,439	55,590	42,229	34,301	30,372	28,293	25,752	24,670								
5 -3/16	150	22230	**10,000**	**82,187**	**66,756**	**50,712**	**41,191**	**36,473**	**33,976**	**30,925**	**29,625**	**28,049**	**27,176**						
			30,000	**59,111**	**48,013**	**36,473**	**29,625**	**26,232**	**24,436**	**22,242**	**21,307**	**20,173**	**19,545**						
			60,000	**48,013**	**38,998**	**29,625**	**24,063**	**21,307**	**19,849**	**18,066**	**17,307**	**16,386**	**15,876**						
	150	22330	10,000	131,571	106,869	81,184	65,942	58,389	54,392	49,507									
			30,000	94,629	76,862	58,389	47,427	41,995	39,120	35,607									
			60,000	76,862	62,432	47,427	38,522	34,110	31,775	28,922									

Note: Dark Shaded Areas Require Circulating Oil
Light Shaded Areas Require Static Oil

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SELECTION

DODGE®

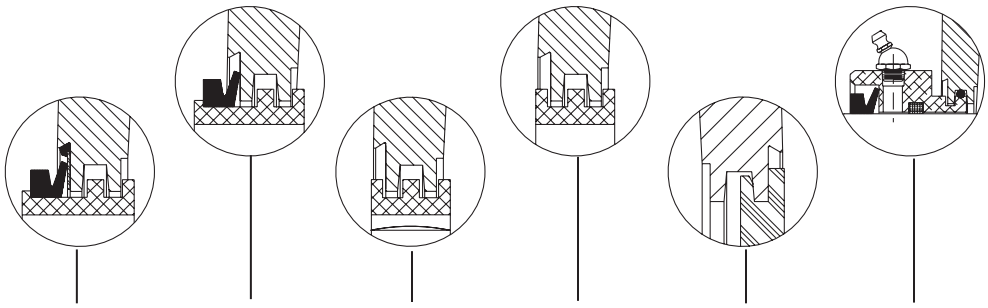
UNIFIED Pillow Block - Spherical Roller Bearings

Table 2: Selection Table for UNIFIED SAF Pillow Blocks

Shaft Size		Bearing Series	L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute														
Adapter Mount (Inches)	Direct Mount (mm)			50	100	250	500	750	950	1,300	1,500	1,800	2,000	2,600	3,000	3,200	3,400	4500	5,600
5- 7/16 5-1/2	160	22232	**10,000**	**93,722**	**76,126**	**57,829**	**46,972**	**41,592**	**38,745**	**35,265**	**33,783**	**31,985**							
			30,000	**67,407**	**54,751**	**41,592**	**33,783**	**29,914**	**27,866**	**25,364**	**24,298**	**23,004**							
			60,000	**54,751**	**44,472**	**33,783**	**27,441**	**24,298**	**22,634**	**20,602**	**19,736**	**18,685**							
	160	22332	10,000	117,152	95,157	72,287	58,715	51,990	48,431	44,082									
			30,000	84,258	68,439	51,990	42,229	37,393	34,833	31,705									
			60,000	68,439	55,590	42,229	34,301	30,372	28,293	25,752									
5- 15/16 6	170	22234	**10,000**	**108,140**	**87,837**	**66,726**	**54,199**	**47,991**	**44,706**	**40,691**	**38,981**								
			30,000	**77,777**	**63,175**	**47,991**	**38,981**	**34,516**	**32,153**	**29,266**	**28,036**								
			60,000	**63,175**	**51,314**	**38,981**	**31,662**	**28,036**	**26,117**	**23,771**	**22,772**								
	170	22334	10,000	129,768	105,405	80,071	65,038	57,589	53,647	48,829									
			30,000	93,332	75,809	57,589	46,777	41,420	38,584	35,119									
			60,000	75,809	61,576	46,777	37,995	33,643	31,340	28,525									
6 -7/16 6-1/2	180	22236	**10,000**	**109,943**	**89,301**	**67,838**	**55,102**	**48,791**	**45,451**	**41,369**	**39,631**								
			30,000	**79,073**	**64,227**	**48,791**	**39,631**	**35,092**	**32,689**	**29,753**	**28,503**								
			60,000	**64,227**	**52,169**	**39,631**	**32,190**	**28,503**	**26,552**	**24,167**	**23,152**								
6 -15/16 7	190	22238	**10,000**	**97,326**	**79,053**	**60,054**	**48,779**	**43,192**	**40,235**	**36,622**									
			30,000	**69,999**	**56,857**	**43,192**	**35,083**	**31,065**	**28,938**	**26,339**									
			60,000	**56,857**	**46,182**	**35,083**	**28,496**	**25,232**	**23,505**	**21,394**									
	190	22338	10,000	149,594	121,508	92,305	74,975	66,388	61,843										
			30,000	107,591	87,391	66,388	53,923	47,747	44,479										
			60,000	87,391	70,984	53,923	43,799	38,783	36,128										
7-3/16	200	22240	**10,000**	**108,140**	**87,837**	**66,726**	**54,199**	**47,991**	**44,706**										
			30,000	**77,777**	**63,175**	**47,991**	**38,981**	**34,516**	**32,153**										
			60,000	**63,175**	**51,314**	**38,981**	**31,662**	**28,036**	**26,117**										
7 -1/2 7 -15/16 8	220	22244	**10,000**	**131,571**	**106,869**	**81,184**	**65,942**	**58,389**	**54,392**										
			30,000	**94,629**	**76,862**	**58,389**	**47,427**	**41,995**	**39,120**										
			60,000	**76,862**	**62,432**	**47,427**	**38,522**	**34,110**	**31,775**										
8 -7/16 8 -1/2 8-15/16, 9		23048	**10,000**	**93,722**	**76,126**	**57,829**	**46,972**	**41,592**	**38,745**										
			30,000	**67,407**	**54,751**	**41,592**	**33,783**	**29,914**	**27,866**										
			60,000	**54,751**	**44,472**	**33,783**	**27,441**	**24,298**	**22,634**										
9- 7/16 9-1/2		23052	**10,000**	**122,559**	**99,549**	**75,623**	**61,425**	**54,390**	**50,666**										
			30,000	**88,147**	**71,598**	**54,390**	**44,178**	**39,118**	**36,440**										
			60,000	**71,598**	**58,155**	**44,178**	**35,884**	**31,774**	**29,599**										
9 -15/16 10 10- 7/16 10-1/2		23056	**10,000**	**124,361**	**101,013**	**76,735**	**62,328**	**55,190**											
			30,000	**89,444**	**72,651**	**55,190**	**44,828**	**39,694**											
			60,000	**72,651**	**59,011**	**44,828**	**36,412**	**32,241**											

Note: Dark Shaded Areas Require Circulating Oil
Light Shaded Areas Require Static Oil

UNIFIED SAF Bearing Seals



ENVIRONMENT/ APPLICATION	DROP IN TRIPLE-TECT SEAL USAF/USN SAF-XT	TRIPLE-TECT LABYRINTH & FACE RUBBING SEAL USAF/USN SAF-XT	SPLIT LER LABYRINTH SEAL USAF/USN SAF-XT	LER LABYRINTH SEAL USAF/USN SAF-XT	END COVER USAF/USN SAF-XT	AUXILIARY TACONITE SEAL USAF/USN SAF-XT
Dusty/Dirty	+	+	▲	▲	++	+
Wet/Moisture Laden	+	+	O	O	++	+
High Pressure Power Washdown	▲	▲	O	O	++	+
☆ High Temperature	O	O	O	+	▲	O
• High Speed	+	+	+	++	NS	O
Chemical	▲	▲	O	O	▲	▲
Misalignment	+	+	+	+	NS	▲

++ Very Good
+ Good
▲ Questionable (Depends On Condition: Consult DODGE Engineering
O Not Recommended
NS Not Seal Limited

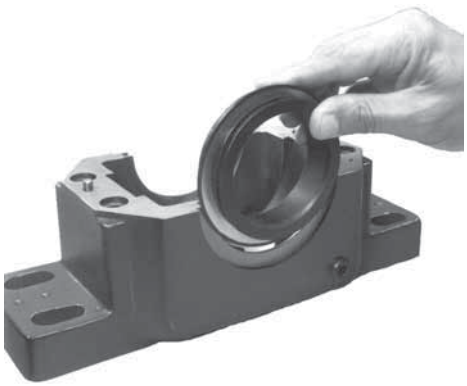
Notes:
☆ High Temperature is above 200°F
• Consideration Of High Speed Can Be A Function Of Type And Bearing Design

DROP-IN TRIPLE TECT SEAL

The patented Drop-In TRIPLE-TECT Seal has all the sealing features of the standard TRIPLE-TECT except it is pre-assembled at the factory for quick and easy field assembly. The Drop-In TRIPLE-TECT Seal assembly consists of a seal ring, v-ring seal and stainless metal seal with rubber bead.

While lowering the shaft bearing and seal assembly into the housing base, the stainless metal seal with rubber bead fits in the outboard “v-shaped” housing groove.

The stainless metal seal gives superior sealing surface to the v-ring and positions the v-ring for easy cap to base housing assembly. (See Figure A).



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SELECTION

DODGE®

UNIFIED SAF Bearing Lubrication

SELECTING LUBRICATION

DODGE UNIFIED pillow blocks are lubricated by the user at installation. DODGE UNIFIED bearings are specially designed to handle either grease or oil lubrication.

GREASE LUBRICATION:

DODGE UNIFIED bearings are designed to meet the rigorous demands of dirty, dusty or wet environments. In order to properly protect bearings during installation, pack the bearing insert 100% full of grease immediately after properly mounting the bearing on the shaft. If the RPM of the application falls between 20% and 80% of maximum RPM (Table 1, page B11-19), pack the lower half of the housing one-third to one-half full. If the RPM of the application is less than 20% of maximum RPM, pack bearing housing cavity 100% full. If the RPM exceeds 80% of maximum RPM, do not add grease in the lower half of the housing or in the cap.

At each re-greasing cycle, for applications up to 80% of maximum RPM, slowly add grease until fresh grease is seen purging at the seals. Re-greasing should be done while running. Remote re-greasing lines should be added to avoid endangering personnel. If the RPM is greater than 80% of maximum RPM, add 4 strokes of a handgun at each re-greasing cycle for bores up to 2. For bores greater than 2 up to 5, add 8 strokes of a handgun at each re-greasing cycle. For bores greater than 5 up to 10-1/2, add 16 strokes of a handgun at each re-greasing cycle. For bores greater than 10-1/2, and up to 12-1/2 add 32 strokes of a handgun at each re-greasing cycle. For bores greater than 12-1/2 up to 15-3/4 add 64 strokes of a handgun at each regreasing cycle. For units running above 80% of maximum RPM, running temperature should be monitored. If a drastic change in running temperature is noted, DODGE recommends removing the used grease completely and recharging with fresh grease per the above instructions. For warning before catastrophic failure, see DODGE Smart Bearing Package on page B11-58

Select a grease with a viscosity at an operating temperature which will provide full film lubrication (see Table 3 below). Use a 50°F to 100°F increase in bearing temperature above ambient, depending on RPM and load. Use Table 4, page B11-25 as a general guide for re-greasing the bearings. A small amount of grease at frequent intervals is preferable to a large amount of grease at infrequent intervals. For special applications involving high speeds, high loads, or very low speeds, consult DODGE Application Engineering (864-284-5700 or FAX 864-281-2317) during the hours of 8:00 a.m. and 5:00 p.m. Eastern Time.

Table 3: Viscosity Of Oil, Or Oil In Grease

DN Δ	Viscosity for Loads Up To 18% of Dyn. Cap.* (SUS @ Oper. Temp.)	CST	DN Δ	Viscosity for Loads Up To 18% of Dyn. Cap.* (SUS. @ Oper. Temp.)	CST
100	3500	700	1400	625	140
200	3150	680	1600	525	120
300	2750	590	1800	450	95
400	2375	500	2000	400	85
500	2000	460	3000	300	63
600	1750	360	4000	200	43
700	1500	320	5000	150	32
800	1300	280	6000	130	28
900	1075	220	7000	110	22
1000	900	140	8000	100	20

Δ DN = Bore Diameter (ins) x RPM

* For loads above 18% of dynamic capacity, an EP grease with viscosity selected from above is recommended

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UNIFIED SAF Bearing Lubrication

OIL LUBRICATION

DODGE UNIFIED bearings are designed to accept oil lubrication. Oil lubrication is normally required at high speeds as well as high loads, or whenever heat from an external source is flowing into the bearing. Oil lubrication may be static or circulating. With static oil, fill the bearing cavity with oil up to the center line of the lowest roller. This height is identified as W and is shown on pages B11-40, B11-43, B11-108 and B11-120. Mount an oil sight gauge in the drilled and tapped hole on the side of the pillow block for visual indication of this level. The oil level may drop or rise during operation depending on the direction of rotation of the bearing. Both the static oil level and the running oil level should be marked on the oil sight gauge and properly identified. Oil should be replaced at least semiannually. For circulating oil, the oil flow rate and size of factory drilled and tapped return drains are shown in Table 5, up to 8 bore. The viscosity of the oil should be selected based on the guidelines shown on Table 3, page B11-24. If the RPM of the application is within the specifications of this catalog, and if the temperature of the bearings is 80°F to 100°F or greater above ambient, a lighter viscosity oil may be required.

Table 4: Re-Greasing Intervals, Months*, Based On 12 Hours Per Day, 150-F Max.

Shaft Size		RPM								
Adapter Mtg. (in.)	Direct Mtg. (mm)	250	500	750	1000	1250	1500	2000	2500	3000
1-7/16 - 1-15/16	40-55	8	6	4	3	2	1	.50	.50	.25
2-3/16	60-65	7	5	3	2	1	1	.50	.25	.25
2-7/16 - 3	70-85	6	4	3	2	1	.50	.25	.25	
3-3/16 - 3-1/2	90-100	5	3	2	1	.50	.50	.25		
3-15/16 - 4-1/2	110-130	4	3	2	1	.50	.25			
4-15/16 - 5-1/2	140-160	3	2	1	.50	.25				
5-15/16 - 7-3/16	170-200	2	1	1	.50					
7-1/2 - 9-1/2	220	1	1	.50						
9-15/16 - 10-1/2	-	1	.50							
10-15/16 - 12-1/2	-	1	.50							
12-15/16 - 15-3/4	-	.50	.25							

* For continuous operations, 24 hours per day, decrease greasing interval by 50%

SELECTION

DODGE®

UNIFIED SAF Circulating Oil

Table 5: Circulating Oil Flow Rates, Drain hole Sizes, Thermocouple Location And Vibration Sensor Location

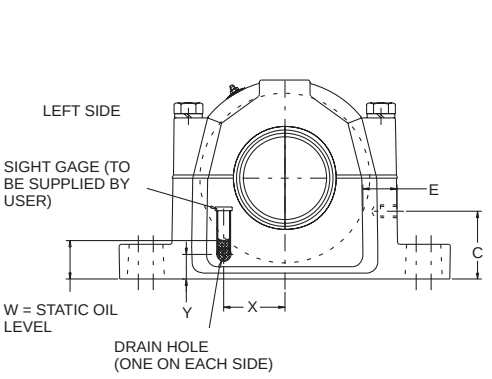
Shaft Size				USAF Housing Designation				Circulating Oil Flow*		Static Oil Level Inches W**		Drain Hole, Dry Sump ***			Thermocouple Hole		Vibration ▲ Sensor Hole	
500 Adptr Mntg. Inches	200 Drct. Mntg. mm	600 Adptr. Mntg. Inches	300 Drct. Mntg. mm					Amount Sufficient for Normal Lubrication	Maximum Amount for Heat Dissipation Due to External Heat Source	500 & 200 Series	600 & 300 Series	Location Inches			Location Inches	Wall Thck. Inches	Location Inches	Wall Thck. Inches
								Gal./Min	Gal./Min			X	Y	Size	A	B	C	E
1-7/16	-	-	-	509	-	-	-	.0025	.070	59/64	-	1-3/32	5/8	1-8/27	1/4	3/8	19/16	1-5/16
1-11/16	-	-	40	510	-	-	308	.0030	.090	1-5/64	1-3/16	1-1/4	1-3/16	1-8/27	17/64	19/64	1-9/64	31/32
1-15/16	-	1-7/16	45	511	-	609	309	.0040	.100	1-5/32	1-9/32	1-5/16	53/64	1-8/27	9/32	17/32	1-57/64	1-1/8
-	-	1-11/16	50	-	-	610	310	.0045	.120	-	1-3/8							
2-3/16	-	1-15/16	55	513	-	611	311	.0050	.150	1-7/64	1-7/16	1-21/32	25/32	1-8/27	11/32	37/64	2-1/64	1-1/8
2-7/16 2-1/2	75	-	60	515	215	-	312	.0060	.175	1-5/32	1-5/16	1-25/32	7/8	1-4/18	23/64	5/8	2-1/4	1-3/16
2-11/16 2-3/4	80	2-3/16	65	516	216	613	313	.0065	.195	1-1/4	1-13/32	1-31/32	61/64	1-4/18	5/16	1/2	2-9/32	1-33/64
2-15/16 3	85	-	70	517	217	-	314	.0075	.200	1-3/8	1-15/32	2-1/8	1-1/16	3-8/18	13/32	43/64	2-1/2	1-7/16
3-3/16	90	2-7/16 2-1/2	75	518	218	615	315	.0080	.250	1-15/32	1-19/32	2-1/4	1-1/8	3-8/18	7/16	39/64	2-23/32	1-29/64
-	-	2-11/16 2-3/4	80	-	-	616	316	.0100	.260	1-11/16	1-11/16	2-3/8	1-11/64	3-8/18	17/32	21/32	2-47/64	1-15/32
3-7/16 3-1/2	100	2-15/16 3	85	520	220	617	317	.0110	.350	1-41/64	1-3/4	2-5/8	1-1/4	3-8/18	17/32	45/64	3-5/64	1-43/64

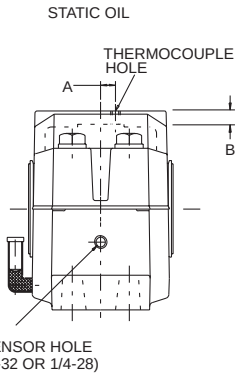
* Based on oil temperature of 130°F - 150°F & oil level at center line of lowest roller. For maximum oil flow values, both drains should be used.
Mount block with drain holes on right side of block center line when rotation is CCW, unless cast closed end.
Mount block with drain holes on left side of block center line when rotation is CW.

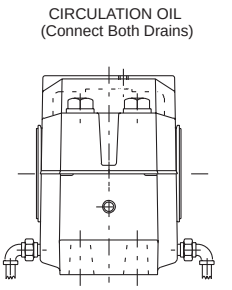
** Static oil level is measured from bottom of block base to meniscus on oil sight gauge. (Non-rotating mode)

*** For wet sump, consult DODGE Application Engineering.

▲ For vibration sensors supplied by the user.







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UNIFIED SAF Circulating Oil

Table 5 (continued): Circulating Oil Flow Rates, Drain hole Sizes, Thermocouple Location And Vibration Sensor Location

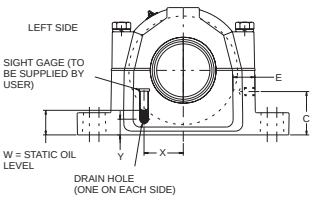
Shaft Size				USAF Housing Designation	Circulating Oil Flow*		Static Oil Level Inches W**		Drain Hole, Dry Sump ***			Thermocouple Hole		Vibration ▲ Sensor Hole	
500 Adptr Mntg. Inches	200 Drct. Mntg. mm	600 Adptr. Mntg. Inches	300 Drct. Mntg. mm		Amount Sufficient for Normal Lubrication	Maximum Amount for Heat Dissipation Due to External Heat Source	500 & 200 Series	600 & 300 Series	Location Inches			Location Inches	Wall Thck. Inches	Location Inches	Wall Thck. Inches
					Gal./Min	Gal./Min			X	Y	Size	A	B	C	E
3-15/16 4	110	-	-	522 222 - -	0.015	0.42	1-59/64		2-7/8	1-11/32	3/8-18	17/32	17/32	3-23/64	1-23/32
4-3/16	120	3-7/16 3-1/2	100	524 224 620 320	0.0175	0.48	1-27/32	2-1/32	2-3/16	1-3/8	1/2-14	11/16	49/64	3-3/8	1-55/64
4-7/16 4-1/2	130	3-15/16 4	110	526 226 622 322	0.019	0.55	2-11/32	2-13/32	2-5/16	1-5/8	1/2-14	3/4	1	4-1/32	2-5/32
4-15/16 5	140	-	-	528 228 - -	0.023	0.6	2-1/32	-	3-5/8	1-15/32	1/2-14	3/4	57/64	4-1/32	2-5/32
5-3/16	150	4-3/16	120	530 230 624 324	0.025	0.75	2-1/32	2-3/8	3-19/32	1-23/64	1/2-14	13/16	7/8	4-11/32	2-1/4
5-7/16 5-1/2	160	4-7/16 4-1/2	130	532 232 626 326	0.03	0.8	2-3/32	2-7/16	4-1/32	1-21/64	1/2-14	29/32	59/64	4-33/64	2-7/32
5-15/16 6	170	4-15/16 5	140	534 234 628 328	0.035	0.85	2-3/16	2-9/16	4-5/32	1-21/64	1/2-14	1	1-25/64	4-31/32	2-45/64
6-7/16 6-1/2	180	5-3/16	150	536 236 630 330	0.037	0.875	2-27/64	2-5/8	4-7/32	1-5/8	1/2-14	1	1-21/64	5-1/4	2-3/4
6-15/16 7	190	5-7/16 5-1/2	160	538 238 632 332	0.039	1	2-17/32	2-11/16	4-3/4	1-39/64	1/2-14	1-1/8	1-1/4	5-1/2	2-3/4
7-3/16	200	5-15/16 6	170	540 240 634 334	0.042	1	2-15/32	2-3/4	4-29/32	1-17/32	1/2-14	1-1/8	1-1/8	5-13/16	2-27/32
7-1/2	220	6-15/16 7	190	544S 244 638 338	0.05	1.4	3-1/4	2-3/8	5-7/16	2-1/32	1/2-14	1-3/16	1-1/2	6-5/8	2-23/64
7-15/16 8		-		544											

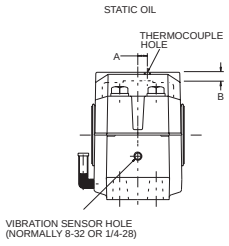
* Based on oil temperature of 1305F - 1505F & oil level at center line of lowest roller. For maximum oil flow values, both drains should be used.
Mount block with drain holes on right side of block center line when rotation is CCW, unless cast closed end.
Mount block with drain holes on left side of block center line when rotation is CW.

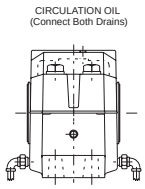
** Static oil level is measured from bottom of block base to meniscus on oil sight gauge. (Non-rotating mode)

*** For wet sump, consult DODGE Application Engineering.

▲ For vibration sensors supplied by the user.







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SELECTION

DODGE®

UNIFIED SAF Housing Ratings

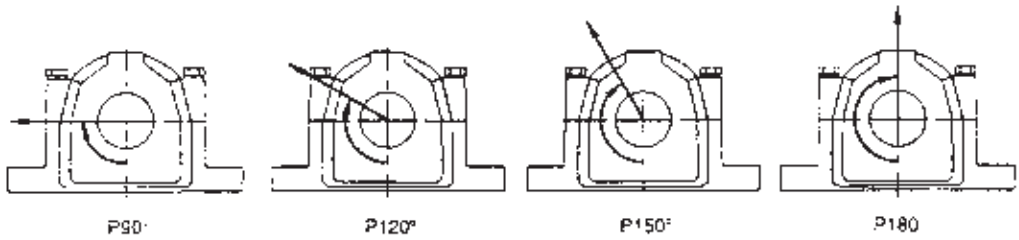

Table 6: USAF Housing Ratings And Cap Bolt Ratings*

PILLOW BLOCK DESIGNATION				RECOMMENDED HOUSING CAP LOADS ♦				RECOMMENDED CAP BOLT LOADS			CAP BOLT INFORMATION ♦		
USAF	USAF	USAF	USAF	P90 lb.	P120 lb.	P150 lb.	P180 lb.	P120 lb.	P150 lb.	P180 lb.	CAP BOLT (NO.) SIZE	TORQUE (Ft-Lb)	SAE GRADE
509				6600	4200	3600	4600	19800	11300	9900	(4) 3/8-16	24-30	5
			308	7800	5000	4400	5400	19800	11300	9900	(4) 3/8-16	24-30	5
513		611	311	13360	8260	7680	9200	27120	15600	13560	(4) 7/16-14	40-50	5
515	215		312	13360	8260	7680	9220	36200	20800	18100	(4) 1/2-13	60-75	5
516	216	613	313	12800	8000	7400	8900	57600	33000	28800	(4) 5/8-11	120-150	5
517	217		314	13600	9200	8400	10200	57600	33000	28800	(4) 5/8-11	120-150	5
518	218	615	315	17500	11350	10200	12100	57600	33000	28800	(4) 5/8-11	120-150	5
		616	316	17600	12000	10500	12200	57600	33000	28800	(4) 5/8-11	120-150	5
520	220	617	317	22500	14200	12660	14700	85200	48900	42600	(4) 3/4-10	208-260	5
522	222			28100	17500	15500	17800	85200	48900	42600	(4) 3/4-10	208-260	5
524	224	620	320	24500	15400	13700	15800	85200	48900	42600	(4) 3/4-10	208-260	5
526	226	622	322	28970	18000	15900	18300	11800	67800	59000	(4) 7/8-9	320-430	5
528	228			35800	22100	19400	22300	154400	88700	77200	(4) 1-8	512-640	5
530	230	624	324	40000	24700	21600	25000	154400	88700	77200	(4) 1-8	512-640	5
532	232	626	326	40200	24800	21700	25100	154400	88700	77200	(4) 1-8	512-640	5
534	234	628	328	52000	32200	28200	33000	154400	88700	77200	(4) 1-8	512-640	5
536	236	630	330	78200	49200	43300	52800	154400	88700	77200	(4) 1-8	512-640	5
538	238	632	332	80600	50800	44800	54800	215200	123000	107600	(4) 1-1/4-7	896-1120	5
540	240	634	334	83800	53000	46700	57500	215200	123000	107600	(4) 1-1/4-7	896-1120	5
544	244	638	338	101800	65600	58200	73800	312000	179000	156000	(4) 1-1/2-6	1560-1950	5
048				83800	53000	46700	54800	215200	123000	107600	(4) 1-1/4-7	896-1120	5
052				101800	65600	58200	73800	312000	179000	156000	(4) 1-1/2-6	1560-1950	5
056				110200	71800	64000	82100	312000	179000	156000	(4) 1-1/2-6	1560-1950	5

* When utilizing heavy cap loads an pillow block housings, the installation must adhere to the following procedures.

1) The pillow block base bolts must have high strength (Grade 8) bolts and be properly tightened to mounting structure.

2) Stop bars (shear strips) must be used against the pillow block where side loads are encountered.

3) In all cases where loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

♦ For USDAF housing and Cap Bolt Ratings consult DODGE Application Engineering (864-284-5700).

UNIFIED SAF Expansion Capabilities

Table 7: UNIFIED 500, 200, 600 And 300 Series And Split-sphere Pillow Blocks Total Expansion Capability

Shaft Size				USAF Housing Designation				Total Expansion, Inches
500 Adptr. Mntg. Inches	200 Drct. Mntg. mm	600 Adptr. Mntg. Inches	300 Drct. Mntg. mm					
1-7/16	-	-	-	509	-	-	-	1/4
1-11/16	-	-	40	510	-	-	308	1/4
1-15/16	-	1-7/16	45	511	-	609	309	1/4
-	-	1-11/16	50	-	-	610	310	7/16
2-3/16	-	1-15/16	55	513	-	611*	311*	5/16
2-7/16 2-1/2	75	-	60	515	215	-	312	1/4
2-11/16 2-3/4	80	2-7/16	65	516	216	613	313	3/8
2-15/16 3	85	-	70	517	217	-	314	3/8
3-3/16	90	2-7/16 2-1/2	75	518	218	615	315	3/8
-	-	2-11/16 2-3/4	80	-	-	616	316	3/8
3-7/16 3-1/2	100	2-15/16 3	85	520	220	617	317	3/8
3-15/16, 4	110			522	222			3/8
4-3/16	120	3-7/16 3-1/2	100	524	224	620	320	3/8
4-7/16, 4-1/2	130	3-15/16, 4	110	526	226	622	322	3/8
4-15/16 5	140			528	228			3/8
5-3/16	150	4-3/16	120	530	230	624	324	3/8
5-7/16 5-1/2	160	4-7/16,4-1/2	130	532	232	626	326	3/8
5-15/16 6	170	4-15/16,5	140	534	234	628	328	3/8
6-7/16 6-1/2	180	5-3/16	150	536	236	630	330	3/8
6-15/16 7	190	5-7/16 5-1/2	160	538	238	632	332	3/8
7-3/16	200	5-15/16, 6	170	540	240	634	334	3/8
7-1/2,	220	6-15/16 7	190	544S	244	638	338	3/8
7-15/16 8		-		544				
8-7/16, 8-1/2 8-15/16, 9	-	-	-	048	-	-	-	5/8
9-7/16, 9-1/2	-	-	-	052	-	-	-	9/16
9-15/16, 10	-	-	-	056	-	-	-	1-5/8
10-7/16 10-1/2	-	-	-	056L	-	-	-	1-5/8

* 1/4 Total Expansion

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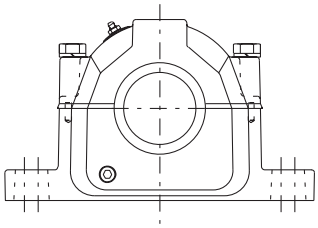
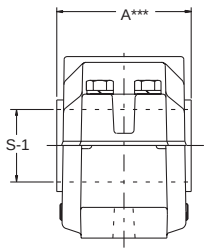
SELECTION/DIMENSIONS

DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES OPEN END HOUSING





Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)
1-7/16	P2B509-USAF-107TT 043015	H2S-509-USAF 043995	BRG22209KC3 422134	24,500	5,600
1-11/16	P2B510-USAF-111TT 043048	H2S-510-USAF 043996	BRG22210KC3 422137	26,000	5,300
1-15/16	P2B511-USAF-115TT 043248	H2S-511-USAF 043997	BRG22211KC3 422123	31,500	4,500
2-3/16	P2B513-USAF-203TT 043249	H2S-513-USAF 043998	BRG22213KC3 422124	45,500	3,800
	P4B513-USAF-203TT 039579	H4S-513-USAF 039669	BRG22213KC3 422124		
2-7/16	P2B515-USAF-207TT 041860	H2S-515-USAF 044000	BRG22215KC3 422001	48,000	3,400
	P4B515-USAF-207TT 041861	H4S-515-USAF 044003	BRG22215KC3 422001		
2-1/2	P2B515-USAF-208TT 041862	H2S-515-USAF 044000	BRG22215KC3 422001	48,000	3,400
	P4B515-USAF-208TT 041863	H4S-515-USAF 044003	BRG22215KC3 422001		
2-11/16	P2B516-USAF-211TT 042406	H2S-516-USAF 044198	BRG22216KC3 422003	56,000	3,200
	P4B516-USAF-211TT 044015	H4S-516-USAF 044007	BRG22216KC3 422003		
2-3/4	P2B516-USAF-212TT 042409	H2S-516-USAF 044198	BRG22216KC3 422003	56,000	3,200
	P4B516-USAF-212TT 042423	H4S-516-USAF 044007	BRG22216KC3 422003		
2-15/16	P2B517-USAF-215TT 041864	H2S-517-USAF 044010	BRG22217KC3 422005	68,000	3,000
	P4B517-USAF-215TT 041865	H4S-517-USAF 044013	BRG22217KC3 422005		
3	P2B517-USAF-300TT 041866	H2S-517-USAF 044010	BRG22217KC3 422005	68,000	3,000
	P4B517-USAF-300TT 041867	H4S-517-USAF 044013	BRG22217KC3 422005		
3-3/16	P2B518-USAF-303TT 042422	H2S-518-USAF 044199	BRG22218KC3 422007	78,000	2,600
	P4B518-USAF-303TT 044115	H4S-518-USAF 044114	BRG22218KC3 422007		

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DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES OPEN END HOUSING

Shaft Dia S-1	SNW Part No.	TRIPLE-TECT Part No.	TTDN Part No.	#LER Part No.	Aux Part No.	End Cover Part No.
1-7/16	H309-SNW-107 046350	08TT107 043578	---	08LER107 042193		EC08 040700
1-11/16	H310-SNW-111 046351	10TT111 043579	---	10LER111 *042199		EC10 040701
1-15/16	H311-SNW-115 046352	12TT115 043540	12TTDN115 039852	12LER115 042512	12AUX115 041687	EC12 040702
2-3/16	H313-SNW-203 046353	14TT203 043541	14TTDN203 039853	14LER203 042513	14AUX203 041688	EC14 040703
	H313-SNW-203 046353	14TT203 043541	14TTDN203 039853	14LER203 042513	14AUX203 041688	EC14 040703
2-7/16	H315-SNW-207 046354	20TT207 043542	20TTDN207 039538	20LER207 042514	20AUX207 042380	EC20 040704
	H315-SNW-207 046354	20TT207 043542	20TTDN207 039538	20LER207 042514	20AUX207 042380	EC20 040704
2-1/2	H315-SNW-208 046355	20TT208 043543	20TTDN208 039854	20LER208 042515	20AUX208 040890	EC20 040704
	H315-SNW-208 046355	20TT208 043543	20TTDN208 039854	20LER208 042515	20AUX208 040890	EC20 040704
2-11/16	H316-SNW-211 046356	24TT211 043544	24TTDN211 039855	24LER211 042516	24AUX211 042381	EC24 040705
	H316-SNW-211 046356	24TT211 043544	24TTDN211 039855	24LER211 042516	24AUX211 042381	EC24 040705
2-3/4	H316-SNW-212 046357	24TT212 043545	24TTDN212 039856	24LER212 042517	24AUX212 040891	EC24 040705
	H316-SNW-212 046357	24TT212 043545	24TTDN212 039856	24LER212 042517	24AUX212 040891	EC24 040705
2-15/16	H317-SNW-215 046358	28TT215 043546	28TTDN215 039530	28LER215 042518	28AUX215 042382	EC28 040706
	H317-SNW-215 046358	28TT215 043546	28TTDN215 039530	28LER215 042518	28AUX215 042382	EC28 040706
3	H317-SNW-300 046359	28TT300 043547	28TTDN300 039857	28LER300 042519	28AUX300 040918	EC28 040706
	H317-SNW-300 046359	28TT300 043547	28TTDN300 039857	28LER300 042519	28AUX300 040918	EC28 040706
3-3/16	H318-SNW-303 046360	34TT303 043548	34TTDN303 039858	34LER303 042520	34AUX303 040892	EC34 040707
	H318-SNW-303 046360	34TT303 043548	34TTDN303 039858	34LER303 042520	34AUX303 040892	EC34 040707

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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SELECTION/DIMENSIONS

DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES OPEN END HOUSING

Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)
3-7/16	P2B520-USAF-307TT 041868	H2S-520-USAF 044020	BRG22220KC3 422009	96,500	2,200
	P4B520-USAF-307TT 041869	H4S-520-USAF 044023	BRG22220KC3 422009		
3-1/2	P2B520-USAF-308TT 041870	H2S-520-USAF 044020	BRG22220KC3 422009	96,500	2,200
	P4B520-USAF-308TT 041871	H4S-520-USAF 044023	BRG22220KC3 422009		
3-15/16	P4B522-USAF-315TT 041872	H4S-522-USAF 044025	BRG22222KC3 422011	122,000	2,000
4	P4B522-USAF-400TT 041873	H4S-522-USAF 044025	BRG22222KC3 422011	122,000	2,000
4-3/16	P4B524-USAF-403TT 042431	H4S-524-USAF 044202	BRG22224KC3 422013	143,000	1,900
4-7/16	P4B526-USAF-407TT 041874	H4S-526-USAF 044031	BRG22226KC3 422015	170,000	1,800
4-1/2	P4B526-USAF-408TT 041875	H4S-526-USAF 044031	BRG22226KC3 422015	170,000	1,800
4-15/16	P4B528-USAF-415TT 041876	H4S-528-USAF 044034	BRG22228KC3 422017	196,000	1,700
5	P4B528-USAF-500TT 041877	H4S-528-USAF 044034	BRG22228KC3 422017	196,000	1,700
5-3/16	P4B530-USAF-503TT 042438	H4S-530-USAF 044203	BRG22230KC3 422019	228,000	1,600
5-7/16	P4B532-USAF-507TT 041878	H4S-532-USAF 044040	BRG22232KC3 422021	260,000	1,500
5-1/2	P4B532-USAF-508TT 041879	H4S-532-USAF 044040	BRG22232KC3 422021	260,000	1,500
5-15/16	P4B534-USAF-515TT 041880	H4S-534-USAF 044043	BRG22234KC3 422023	300,000	1,300
6	P4B534-USAF-600TT 041881	H4S-534-USAF 044043	BRG22234KC3 422023	300,000	1,300
6-7/16	P4B536-USAF-607TT 041882	H4S-536-USAF 044046	BRG22236KC3 422025	305,000	1,300
6-1/2	P4B536-USAF-608TT 041883	H4S-536-USAF 044046	BRG22236KC3 422025	305,000	1,300
6-15/16	P4B538-USAF-615TT 041884	H4S-538-USAF 044049	BRG22238KC3 422027	270,000	1,200
7	P4B538-USAF-700TT 041885	H4S-538-USAF 044049	BRG22238KC3 422027	270,000	1,200
7-3/16	P4B540-USAF-703TT 039606	H4S-540-USAF 039681	BRG22240KC3 422064	300,000	900
7-1/2	P4B544-USAF-708TT 042445	H4S-544S-USAF 044054	BRG22244KC3 422029	365,000	950
7-15/16	P4B544-USAF-715TT 041886	H4S-544-USAF 044055	BRG22244KC3 422029	365,000	950

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DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES OPEN END HOUSING

Shaft Dia S-1	SNW Part No.	TRIPLE-TECT Part No.	TTDN Part No.	#LER Part No.	Aux Part No.	End Cover Part No.
3-7/16	H320-SNW-307 046361	46TT307 043549	46TTDN307 039859	46LER307 042521	46AUX307 042383	EC46 040708
	H320-SNW-307 046361	46TT307 043549	46TTDN307 039859	46LER307 042521	46AUX307 042383	EC46 040708
3-1/2	H320-SNW-308 046362	46TT308 043550	46TTDN308 039860	46LER308 042522	46AUX308 040919	EC46 040708
	H320-SNW-308 046362	46TT308 043550	46TTDN308 039860	46LER308 042522	46AUX308 040919	EC46 040708
3-15/16	H322-SNW-315 046363	50TT315 043551	50TTDN315 039861	50LER315 042523	50AUX315 042384	EC50 040709
4	H322-SNW-400 046364	50TT400 043552	50TTDN400 039862	50LER400 042524	50AUX400 040893	EC50 040709
4-3/16	H3124-SNW-403 046430	52TT403 043553	52TTDN403 039863	52LER403 042525	52AUX403 044360	EC52 040710
4-7/16	H3126-SNW-407 046431	54TT407 043554	54TTDN407 039864	54LER407 042526	54AUX407 042385	EC54 040711
4-1/2	H3126-SNW-408 046432	54TT408 043555	54TTDN408 039865	54LER408 042527	54AUX408 042386	EC54 040711
4-15/16	H3128-SNW-415 046433	56TT415 043556	56TTDN415 039866	56LER415 042528	56AUX415 042387	EC56 040712
5	H3128-SNW-500 046434	56TT500 043557	56TTDN500 039867	56LER500 042529	56AUX500 040894	EC562 040712
5-3/16	SNW30X503 043618	58TT503 043558	---	58LER503 042530		EC58 040713
5-7/16	SNW32X507 043619	60TT507 043559	---	60LER507 042531	60AUX507 042388	EC60 040714
5-1/2	SNW32X508 043634	60TT508 043574	---	60LER508 042532	60AUX508 040895	EC60 040714
5-15/16	SNW32X515 043620	64TT515 043560	---	64LER515 042533	64AUX515 042389	EC64 040681
6	SNW34X600 043621	64TT600 043561	---	64LER600 042534	64AUX600 041646	EC64 040681
6-7/16	SNW36X607 043622	68TT607 043562	--- ---	68LER607 042535	68AUX607 042390	EC68 040682
6-1/2	SNW36X608 043623	68TT608 043563		68LER608 042536	68AUX608 042391	EC68 040682
6-15/16	SNW38X615 043624	72TT615 043564	---	72LER615 042537	72AUX615 042392	EC72 040683
7	SNW38X700 043625	72TT700 043565	---	72LER700 042538	72AUX700 043109	EC72 040683
7-3/16	SNW40X703 046545	74TT703 046421	---	74LER703 043386	74AUX703 040690	---
7-1/2	SNW44X708 043627	76TT708 043567	---	76LER708 042539	76AUX708 040896	EC76 040684
7-15/16	SNW44X715 043626	78TT715 043566	---	78LER715 042540	78AUX715 042393*	EC78 040685

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

SELECTION/DIMENSIONS

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES OPEN END HOUSING

Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)
8	P4B544-USAF-800TT 041887	H4S-544-USAF 044055	BRG22244KC3 422029	365,000	950
8-7/16	P4B048-USAF-807TT 042447	H4S-048-USAF 044200	BRG23048KC3 422031	260,000	950
8-1/2	P4B048-USAF-808TT 042448	H4S-048-USAF 044200	BRG23048KC3 422031	260,000	950
8-15/16	P4B048-USAF-815TT 042449	H4S-048-USAF 044200	BRG23048KC3 422031	260,000	950
9	P4B048-USAF-900TT 042453	H4S-048-USAF 044200	BRG23048KC3 422031	260,000	950
9-7/16	P4B052-USAF-907TT 042454	H4S-052-USAF 422542	BRG23052KC3 422543	340,000	900
9-1/2	P4B052-USAF-908TT 422544	H4S-052-USAF 422542	BRG23052KC3 422543	340,000	900
9-15/16	P4B056-USAF-915TT 042458	H4S-056-USAF 422560	BRG23056KC3 422030	345,000	850
10	P4B056-USAF-1000TT 041628	H4S-056-USAF 422560	BRG23056KC3 422030	345,000	850
10-7/16	P4B056-USAF-1007TT 042463	H4S-056L-USAF 044201	BRG23056KC3 422030	345,000	850
10-1/2	P4B056-USAF-1008TT 042464	H4S-056L-USAF 044201	BRG23056KC3 422030	345,000	850

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly
500 SERIES OPEN END HOUSING

Shaft Dia S-1	SNW Part No.	TRIPLE-TECT Part No.	TTDN Part No.	#LER Part No.	Aux Part No.	End Cover Part No.
8	SNW44X800 043628	78TT800 043568	---	78LER800 042541*	78AUX800 042394*	EC78 040685
8-7/16	SNP3048X807 043629	90TT807 043569	---	90LER807 042542*	90AUX807 040897*	EC90 042368
8-1/2	SNP3048X808 043630	90TT808 043570	---	90LER808 042543*	90AUX808 040898*	EC90 042368
8-15/16	SNP3048X815 043631	90TT815 043571	---	90LER815 042544*		EC90 042368
9	SNP3048X900 043632	90TT900 043572	---	90LER900 042545*	90AUX900 040995*	EC90 042368
9-7/16	SNP3052X907 043585	84TT907 043538	---	84LER907 042510*	84AUX907 040900*	EC84 422606
9-1/2	SNP3052X908 422538	84TT908 422545	---	84LER908 042594*	84AUX908 040901*	EC84 422606
9-15/16	SNP3056X915 043586	92TT915 043575	---	92LER915 042511*		EC92 042369
10	SNP3056X1000 043633	92TT1000 043573	---	92LER1000 041082*	92AUX1000 042395*	EC92 042369
10-7/16	SNP3056X1007 043580	94TT1007 047940	---	94LER1007 042036*		EC94 040689
10-1/2	SNP3056X1008 422567	94TT1008 047941	---	94LER1008 422573*	94AUX1008 042396*	EC94 040689

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

SELECTION/DIMENSIONS

DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES CAST CLOSED HOUSING

Shaft Dia S-1	Complete Pillow Block Part No.	Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)	SNW Part No.	1-7/16" - 4-15/16" Seals			
							TRIPLE-TECT Part No.	Drop In TRIPLE-TECT Part No.	# LER Part No.	Aux Taconite Part No.
1-7/16	CP2B509-USAF-107TT 039575	CH2S-509-USAF 039665	BRG22209KC3 422134	24,500	5,600	H309-SNW-107 046350	08TT107 043578	---	08LER107 042193	
1-11/16	CP2B510--USAF-111TT 039576	CH2S-510-USAF 039666	BRG22210KC3 422137	26,000	5,300	H310-SNW-111 046351	10TT111 043579	---	10LER111 042199	
1-15/16	CP2B511-USAF-115TT 039577	CH2S-511-USAF 039667	BRG22211KC3 422123	31,500	4,500	H311-SNW-115 046352	12TT115 043540	12TTDN115 039852	12LER115 042512	12AUX115 041687
2-3/16	CP2B513-USAF-203TT 039578	CH2S-513-USAF 039668	BRG22213KC3 422124	45,500	3,800	H313-SNW-203 046353	14TT203 043541	14TTDN203 039853	14LER203 042513	14AUX203 041688
	CP4B513-USAF-203TT 039580	CH4S-513-USAF 039670	BRG22213KC3 422124	45,500	3,800	H313-SNW-203 046353	14TT203 043541	14TTDN203 039853	14LER203 042513	14AUX203 041688
2-7/16	CP2B515-USAF-207TT 039581	CH2S-515-USAF 039544	BRG22215KC3 422001	48,000	3,400	H315-SNW-207 046354	20TT207 043542	20TTDN207 039538	20LER207 042514	20AUX207 042380
	CP4B515-USAF-207TT 039582	CH4S-515-USAF 039545	BRG22215KC3 422001	48,000	3,400	H315-SNW-207 046354	20TT207 043542	20TTDN207 039538	20LER207 042514	20AUX207 042380
2-1/2	CP2B515-USAF-208TT 039583	CH2S-515-USAF 039544	BRG22215KC3 422001	48,000	3,400	H315-SNW-208 046355	20TT208 043543	20TTDN208 039854	20LER208 042515	20AUX208 040890
	CP4B515-USAF-208TT 039584	CH4S-515-USAF 039545	BRG22215KC3 422001	48,000	3,400	H315-SNW-208 046355	20TT208 043543	20TTDN208 039854	20LER208 042515	20AUX208 040890
2-11/16	CP2B516-USAF-211TT 039585	CH2S-516-USAF 039671	BRG22216KC3 422003	56,000	3,200	H316-SNW-211 046356	24TT211 043544	24TTDN211 039855	24LER211 042516	24AUX211 042381
	CP4B516-USAF-211TT 039586	CH4S-516-USAF 039672	BRG22216KC3 422003	56,000	3,200	H316-SNW-211 046356	24TT211 043544	24TTDN211 039855	24LER211 042516	24AUX211 042381
2-3/4	CP2B516-USAF-212TT 039587	CH2S-516-USAF 039671	BRG22216KC3 422003	56,000	3,200	H316-SNW-212 046357	24TT212 043545	24TTDN212 039856	24LER212 042517	24AUX212 040891
	CP4B516-USAF-212TT 039588	CH4S-516-USAF 039672	BRG22216KC3 422003	56,000	3,200	H316-SNW-212 046357	24TT212 043545	24TTDN212 039856	24LER212 042517	24AUX212 040891
2-15/16	CP2B517-USAF-215TT 039589	CH2S-517-USAF 039508	BRG22217KC3 422005	68,000	3,000	H317-SNW-215 046358	28TT215 043546	28TTDN215 039530	28LER215 042518	28AUX215 042382
	CP4B517-USAF-215TT 039590	CH4S-517-USAF 039509	BRG22217KC3 422005	68,000	3,000	H317-SNW-215 046358	28TT215 043546	28TTDN215 039530	28LER215 042518	28AUX215 042382
3	CP2B517-USAF-300TT 039591	CH2S-517-USAF 039508	BRG22217KC3 422005	68,000	3,000	H317-SNW-300 046359	28TT300 043547	28TTDN300 039857	28LER300 042519	28AUX300 040918
	CP4B517-USAF-300TT 039592	CH4S-517-USAF 039509	BRG22217KC3 422005	68,000	3,000	H317-SNW-300 046359	28TT300 043547	28TTDN300 039857	28LER300 042519	28AUX300 040918
3-3/16	CP2B518-USAF-303TT 039593	CH2S-518-USAF 039673	BRG22218KC3 422007	78,000	2,600	H318-SNW-303 046360	34TT303 043548	34TTDN303 039858	34LER303 042520	34AUX303 040892
	CP4B518-USAF-303TT 039594	CH4S-518-USAF 039674	BRG22218KC3 422007	78,000	2,600	H318-SNW-303 046360	34TT303 043548	34TTDN303 039858	34LER303 042520	34AUX303 040892
3-7/16	CP2B520-USAF-307TT 039595	CH2S-520-USAF 039675	BRG22220KC3 422009	96,500	2,200	H320-SNW-307 046361	46TT307 043549	46TTDN307 039859	46LER307 042521	46AUX307 042383
	CP4B520-USAF-307TT 039596	CH4S-520-USAF 039676	BRG22220KC3 422009	96,500	2,200	H320-SNW-307 046361	46TT307 043549	46TTDN307 039859	46LER307 042521	46AUX307 042383

Note: LER seals are made from Aluminum unless otherwise noted by the * symbol.
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FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

DODGE®

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES CAST CLOSED HOUSING

SHAFT DIA S-1	COMPLETE PILLOW BLOCK PART NO.	HOUSING PART NO.**	BEARING PART NO.	DYNAMIC CAPACITY (C) LBS.	MAX RPM LER (GREASE)	SNW PART NO.	5"- 10-1/2" SEALS			
							TRIPLE TECT PART NO.	DROP IN TRIPLE TECT PART NO.	# LER PART NO.	AUX TACONITE PART NO.
3-1/2	CP2B520-USAF-308TT 039597	CH2S-520-USAF 039675	BRG22220KC3 422009	96,500	2,200	H320-SNW-308 046362	46TT308 043550	46TTDN308 039860	46LER308 042522	46AUX308 040919
	CP4B520-USAF-308TT 039598	CH4S-520-USAF 039676	BRG22220KC3 422009	96,500	2,200	H320-SNW-308 046362	46TT308 043550	46TTDN308 039860	46LER308 042522	46AUX308 040919
3-15/16	CP4B522-USAF-305TT 039599	CH4S-522-USAF 039677	BRG22222KC3 422011	122,000	2,000	H322-SNW-315 046363	50TT315 043551	50TTDN315 039861	50LER315 042523	50AUX315 042384
4	CP4B522-USAF-400TT 039600	CH4S-522-USAF 039677	BRG22222KC3 422011	122,000	2,000	H322-SNW-400 046364	50TT400 043552	50TTDN400 039862	50LER400 042524	50AUX400 040893
4-3-16	CP4B524-USAF-403TT 039601	CH4S-524-USAF 039678	BRG22224KC3 422013	143,000	1,900	H3124-SNW-403 046430	52TT403 043553	52TTDN403 039863	52LER403 042525	52AUX403 044360
4-7/16	CP4B526-USAF-407TT 039602	CH4S-526-USAF 039679	BRG22226KC3 422015	170,000	1,800	H3126-SNW-407 046431	54TT407 043554	54TTDN407 039864	54LER407 042526	54AUX407 042385
4-1/2	CP4B526-USAF-408TT 039603	CH4S-526-USAF 039679	BRG22226KC3 422015	170,000	1,800	H3126-SNW-408 046432	54TT408 043555	54TTDN408 039865	54LER408 042527	54AUX408 042386
4-15/16	CP4B528-USAF-415TT 039604	CH4S-528-USAF 039680	BRG22228KC3 422017	196,000	1,700	H3128-SNW-415 046433	56TT415 043556	56TTDN415 039866	56LER415 042528	56AUX415 042387
5	CP4B528-USAF-500TT 039605	CH4S-528-USAF 039680	BRG22228KC3 422017	196,000	1,700	H3128-SNW-500 046434	56TT500 043557	56TTDN500 039867	56LER500 042529	56AUX500 040894
5-3/16	CP4B530-USAF-503TT 039138	CH4S-530-USAF 039217	BRG2223KC3 422019	228,000	1,600	SNW30X503 043618	58TT503 043558	---	58LER503 042530	
5-7/16	CP4B532-USAF-507TT 039141	CH4S-532-USAF 039218	BRG22232KC3 422021	260,000	1,500	SNW32X507 043619	60TT507 043559	---	60LER507 042531	60AUX507
5-1/2	CP4B532-USAF-508TT 039142	CH4S-532-USAF 039218	BRG22232KC3 422021	260,000	1,500	SNW32X508 043634	60TT508 043574	---	60LER508 042532	60AUX508 040895
5-15/16	CP4B534-USAF-515TT 039147	CH4S-534-USAF 039219	BRG22234KC3 422023	300,000	1,300	SNW32X515 043620	64TT515 043560	---	64LER515 042533	64AUX515 042389
6	CP4B534-USAF-600TT 039148	CH4S-534-USAF 039219	BRG22234KC3 422023	300,000	1,300	SNW34X600 043621	64TT600 043561	---	64LER600 042534	64AUX600 041646
6-7/16	CP4B536-USAF-607TT 039151	CH4S-536-USAF 039220	BRG22236KC3 422025	305,000	1,300	SNW36X607 043622	68TT607 042562	---	68LER607 042535	68AUX607 042390
6-1/2	CP4B536-USAF-608TT 039152	CH4S-536-USAF 039220	BRG22236KC3 422025	305,000	1,300	SNW36X608 043623	68TT608 043563	---	68LER608 042536	68AUX608 042391
6-15/16	CP4B538-USAF-615TT 039155	CH4S-538-USAF 039221	BRG22238KC3 422027	270,000	1,200	SNW38X615 043624	72TT615 043564	---	72LER615 042537	72AUX615 042392
7	CP4B538-USAF-700TT 039156	CH4S-538-USAF 039221	BRG22238KC3 422027	270,000	1,200	SNW38X700 043625	72TT700 043565	---	72LER700 042538	72AUX700 043109
7-3/16	CP4B540-USAF-703TT 039159	CH4S-540-USAF 039222	BRG22240KC3 422064	300,000	900	SNW40X703 046545	74TT703 046421	---	74LER703 043386	74AUX703 040690
7-1/2	CP4B544-USAF-708TT 039160	CH4S-544S-USAF 039223	BRG22244KC3 422029	365,000	950	SNW44X708 043627	76TT708 043567	---	76LER708 042539	76AUX708 040896
7-15/16	CP4B544-USAF-715TT 039163	CH4S-544-USAF 039224	BRG22244KC3 422029	365,000	950	SNW44X715 043626	78TT715 043566	---	78LER715 042540	78AUX715 042393*

 # NOTE: LER seals are made from aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from steel.

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SELECTION/DIMENSIONS

USAF 500 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

500 SERIES CAST CLOSED HOUSING

SHAFT DIA S-1	COMPLETE PILLOW BLOCK PART NO.	HOUSING PART NO.**	BEARING PART NO.	DYNAMIC CAPACITY (C) LBS.	MAX RPM LER (GREASE)	SNW PART NO.	5"- 10-1/2" SEALS			
							TRIPLE TECT PART NO.	DROP IN TRIPLE TECT PART NO.	# LER PART NO.	AUX TACONITE PART NO.
8	**CP4B544-USAF-800TT 039164**	**CH4S-544-USAF 039224**	**BRG22244KC3 422029**	365,000	950	SNW44X800 043628	**78TT800 043568**	---	**78LER800 042541***	**78AUX800 042394***
8-7/16	**CP4B048-USAF-807TT 039165**	**CH4S-048-USAF 039225**	**BRG23048KC3 422031**	260,000	800	SNP3048X807 043629	**90TT807 043569**	---	**90LER807 042542***	**90AUX807 040897***
8-1/2	**CP4B048-USAF-808TT 039166**	**CH4S-048-USAF 039225**	**BRG23048KC3 422031**	260,000	800	SNP3048X808 043630	**90TT808 043570**	---	**90LER808 042543***	**90AUX808 040898***
8-15/16	**CP4B048-USAF-815TT 039167**	**CH4S-048-USAF 039225**	**BRG23048KC3 422031**	260,000	800	SNP3048X815 043631	**90TT815 043571**	---	**90LER815 042544***	
9	**CP4B048-USAF-900TT 039168**	**CH4S-048-USAF 039225**	**BRG23048KC3 422031**	260,000	800	SNP3048X900 043632	**90TT900 043572**	---	**90LER900 042545***	**90AUX900 040995***
9-7/16	**CP4B052-USAF-907TT 039169**	**CH4S-052-USAF 039226**	**BRG23052KC3 422543**	340,000	750	SNP3052X907 043585	**84TT907 043538**	---	**84LER907 042510***	**84AUX907 040900***
9-1/2	**CP4B052-USAF-908TT 039170**	**CH4S-052-USAF 039226**	**BRG23052KC3 422543**	340,000	750	SNP3052X908 422538	**84TT908 422545**	---	**84LER908 042594***	**84AUX908 040901***
9-15/16	**CP4B056-USAF-915TT 039171**	**CH4S-056-USAF 039227**	**BRG23056KC3 422030**	345,000	700	SNP3056X915 043586	**92TT915 043575**	---	**92LER915 042511***	
10	**CP4B056-USAF-1000TT 039172**	**CH4S-056-USAF 039227**	**BRG23056KC3 422030**	345,000	700	SNP3056X1000 043633	**92TT1000 043573**	---	**92LER1000 041082***	**92AUX1000 042395***
10-7/16	**CP4B056-USAF-1007TT 039173**	**CH4S-056L-USAF 039228**	**BRG23056KC3 422030**	345,000	700	SNP3056X1007 043580	**94TT1007 047940**	---	**94LER1007 042036***	
10-1/2	**CP4B056-USAF-1008TT 039174**	**CH4S-056L-USAF 039228**	**BRG23056KC3 422030**	345,000	700	SNP3056X1008 422567	**94TT1008 047941**	---	**94LER1008 422573***	**94AUX1008 042396***

 # NOTE: LER seals are made from aluminum unless otherwise noted by the * symbol.

If an * appears by the part number, the LER seal is manufactured from steel.

DODGE®

USAF 500 Adapter Mount Pillow Block Housing

S-1 Shaft Size (Inch)	Housing	500 Housing †							
		Thru Housing				Closed End Housing			
		2-Bolt		4-Bolt		2-Bolt		4-Bolt	
		Part No.	Appox. Wt. (Lbs)	Part No.	Approx. Wt. (Lbs)	Part No.	Appox. Wt. (Lbs)	Part No.	Appox. Wt. (Lbs)
1-7/16	509	**043995**	9.5	-	-	**039665**	10.0	-	-
1-11/16	510	**043996**	11.3	-	-	**039666**	12.1	-	-
1-15/16	511	**043997**	15.6	**039762**	22.5	**039667**	16.5	-	23.5
2-3/16	513	**043998**	21.4	**039669**	22.5	**039668**	22.4	**039670**	23.5
2-7/16 2-1/2	515	**044000**	24.8	**044003**	26.4	**039544**	26.6	**039545**	27.9
2-11/16 2-3/4	516	**044198**	28.0	**044007**	28.0	**039671**	29.0	**039672**	29.0
2-15/16 3	517	**044010**	34.7	**044013**	38.3	**039508**	37.0	**039509**	40.6
3-3/16	518	**044199**	36.8	**044114**	37.2	**039673**	40.7	**039674**	41.2
3-7/16 3-1/2	520	**044020**	61.2	**044023**	61.8	**039675**	65.3	**039676**	65.9
3-15/16 4	522	-	-	**044025**	78.9	-	-	**039677**	84.0
4-3/16	524	-	-	**044202**	90.6	-	-	**039678**	96.1
4-7/16 4-1/2	526	-	-	**044031**	121.6	-	-	**039679**	128.2
4-15/16 5	528	-	-	**044034**	152.2	-	-	**039680**	162.2
5-3/16	530	-	-	**044203**	170.5	-	-	**039217**	182.3
5-7/16 5-1/2	532	-	-	**044040**	220.1	-	-	**039218**	235.2
5-15/16 6	534	-	-	**044043**	269.9	-	-	**039219**	282.8
6-7/16 6-1/2	536	-	-	**044046**	328.5	-	-	**039220**	349.7
6-15/16 7	538	-	-	**044049**	384.7	-	-	**039221**	409.4
7-3/16	540	-	-	**039681**	393.0	-	-	**039222**	403.0
7-1/2	544S	-	-	**044054**	624.0	-	-	**039223**	634.0
7-15/16 8	544	-	-	**044055**	621.0	-	-	**039224**	631.0
8-7/16 8-1/2 8-15/16 9	048	-	-	**044200**	386.0	-	-	**039225**	412.2
9-7/16 9-1/2	052	-	-	**422542**	575.0	-	-	**039226**	590.4
9-15/16 10	056	-	-	**422560**	692.0	-	-	**039227**	722.6
10-7/16 10-1/2	056L	-	-	**044201**	690.0	-	-	**039228**	720.0

† Includes Stabilizing Ring(s)

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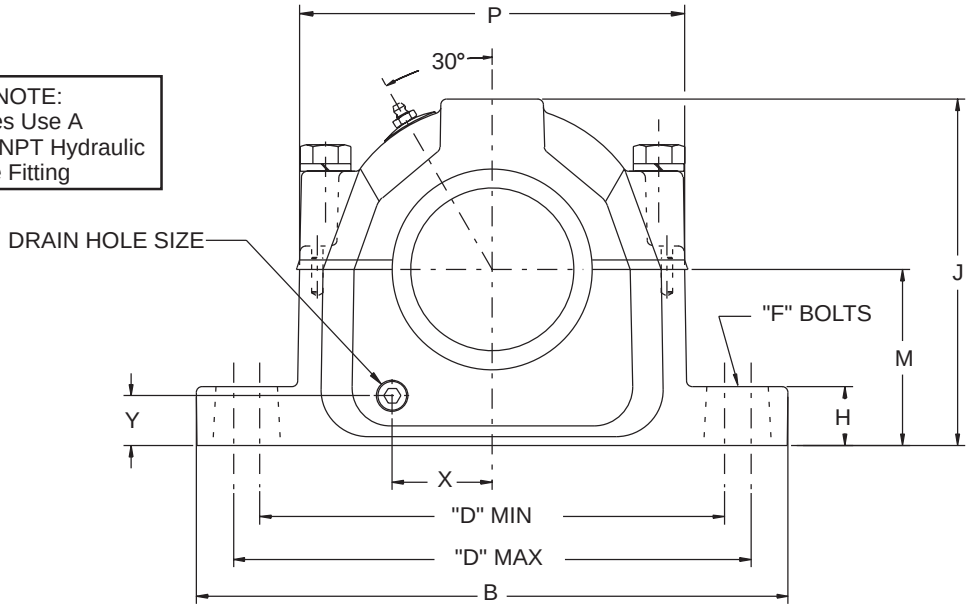
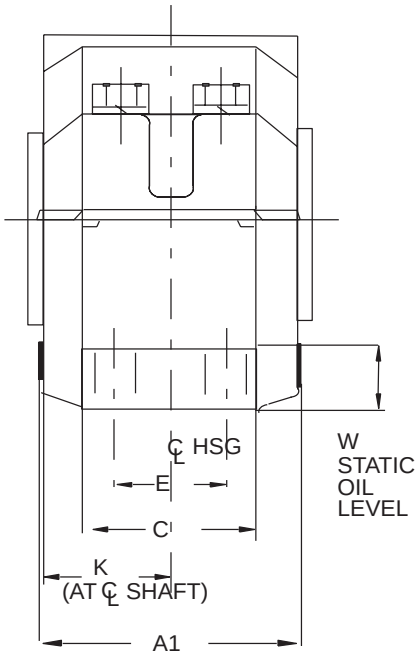
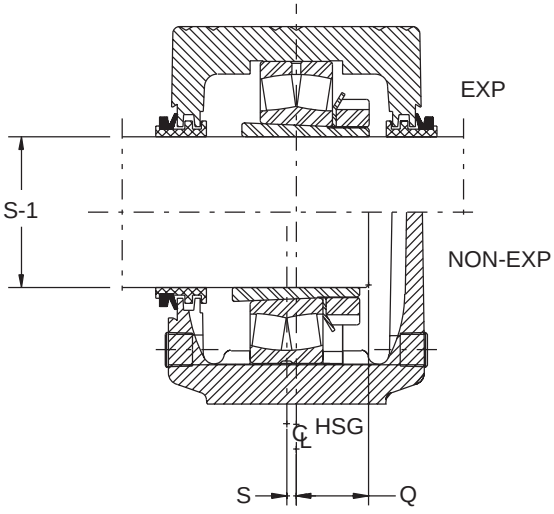
SELECTION/DIMENSIONS

USAF 500 Housing Dimensions

LUBE NOTE:
All Sizes Use A
1/8-27 NPT Hydraulic
Grease Fitting







FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

USAF 500 Housing Dimensions

S-1 Shaft Size	Housing	A1▲	B	C	D				E	F	
					2-Bolt		4-Bolt			Bolt Dia.	
					Min	Max	Min	Max		2-Bolt	4-Bolt
1-7/16	509	3-7/8	8-1/4	2-3/8	6-1/4	7	-	-	-	1/2	
1-11/16	510	4-1/16	8-1/4	2-11/32	6-1/2	7	-	-	-	1/2	
1-15/16	511	4-1/4	9-5/8	2-3/4	7-3/8	8-1/4	-	-	-	5/8	
2-3/16	513	4-41/64	11	3-1/8	8-1/8	9-1/2	8-1/8	9-1/2	1-7/8	5/8	1/2
2-7/16 2-1/2	515	5-13/64	11-1/8	3-1/8	8-5/8	9-5/8	8-5/8	9-5/8	1-7/8	5/8	1/2
2-11/16 2-3/4	516	5-7/16	12-19/32	3-1/2	9-5/8	11	9-5/8	11	2-1/8	3/4	5/8
2-15/16 3	517	5-25/64	12-19/32	3-1/2	9-7/8	11	9-7/8	11	2-1/8	3/4	5/8
3-3/16	518	6-5/32	13-5/8	3-7/8	10-1/4	11-3/4	10-3/8	11-5/8	2-1/8	3/4	5/8
3-7/16 3-1/2	520	6-25/32	15-23/64	4-11/32	11-5/8	13-1/8	11-5/8	13-1/8	2-3/8	7/8	3/4
3-15/16 4	522	7-5/64	16-1/2	4-3/4	-	-	12-19/32	14-1/2	2-3/4	-	3/4
4-3/16	524	8-3/64	16-1/2	4-23/32	-	-	13-1/4	14-1/2	2-3/4	-	3/4
4-7/16 4-1/2	526	8-17/64	18-3/8	5-1/8	-	-	14-1/2	16	3-1/4	-	7/8
4-15/16 5	528	8-49/64	19-11/16	5-7/8	-	-	15-5/8	17-3/8	3-3/8	-	1

S-1 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
1-7/16	509	7/8	4-19/64	1-25/32	2-1/4	4-7/8	1-1/32	1/8	59/64	1-3/32	5/8	1/8-27NPSI
1-11/16	510	1-1/32	4-37/64	1-7/8	2-1/2	5-1/8	1-7/64	1/8	1-5/64	1-1/4	13/16	1/8-27NPSI
1-15/16	511	1-1/32	5-1/4	1-31/32	2-3/4	5-25/32	1-13/64	1/8	1-5/32	1-15/16	53/64	1/8-27NPSI
2-3/16	513	1-1/32	5-15/16	2-5/32	3	6-1/2	1-3/8	5/32	1-7/64	1-21/32	25/32	1/8-27NPSI
2-7/16 2-1/2	515	1-1/4	6-7/16	2-5/16	3-1/4	7-1/16	1-25/64	1/8	1-5/32	1-25/32	7/8	1/4-18NPSF
2-11/16 2-3/4	516	1-1/16	6-3/4	2-27/64	3-1/2	7-15/16	1-7/16	3/16	1-1/4	1-31/32	61/64	1/4-18NPSF
2-15/16 3	517	1-1/4	7-3/8	2-15/32	3-3/4	8-3/16	1-1/2	3/16	1-3/8	2-1/8	1-1/16	3/8-18NPSF
3-3/16	518	1-7/16	7-3/4	2-27/32	4	8-21/32	1-23/32	3/16	1-15/32	2-1/4	1-1/8	3/8-18NPSF
3-7/16 3-1/2	520	1-21/32	8-3/4	3-5/32	4-1/2	9-25/32	1-59/64	3/16	1-41/64	2-5/8	1-1/4	3/8-18NPSF
3-15/16 4	522	1-25/32	9-13/32	3-19/64	4-15/16	10-19/32	2-3/32	3/16	1-51/64	2-7/8	1-11/32	3/8-18NPSF
4-3/16	524	1-1/2	10-1/4	3-41/64	5-1/4	11-1/4	2-9/32	3/16	1-27/32	3-3/16	1-3/8	1/2-14NPSF
4-7/16 4-1/2	526	2-1/16	11-17/32	3-3/4	6	12-13/32	2-15/32	3/16	2-11/32	3-5/16	1-5/8	1/2-14NPSF
4-15/16 5	528	2-1/16	11-13/16	4	6	13-1/4	2-29/64	3/16	2-1/32	3-5/8	1-15/32	1/2-14NPSF

▲ Housing width with drain plugs

★ Distance shaft should extend beyond housing centerline if pillow block is closed end style

● Non-expansion bearing offset from centerline. For expansion bearing S = 0

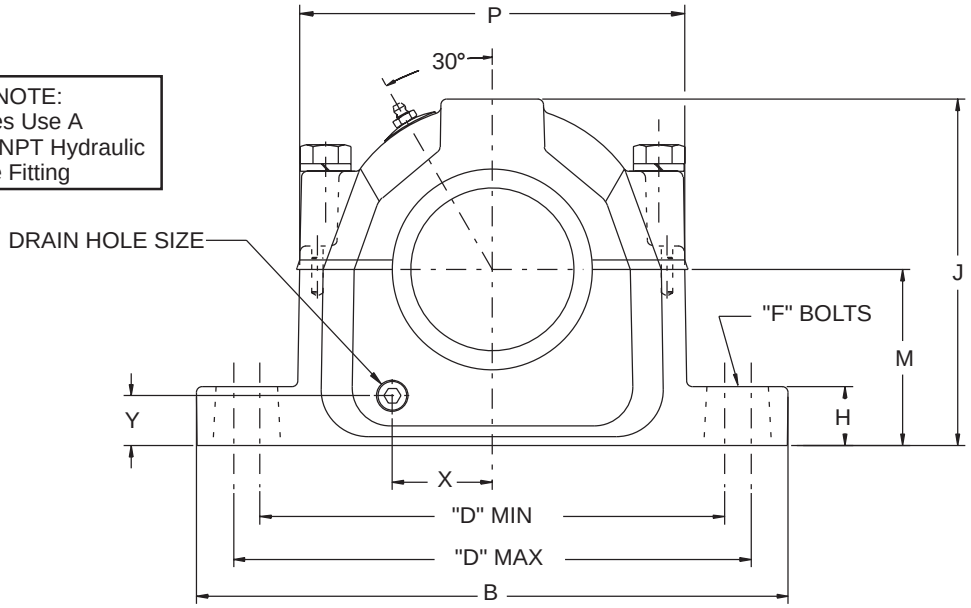
Dowel hole locations for Precision Positioning, see Page B11-29 - B11-29

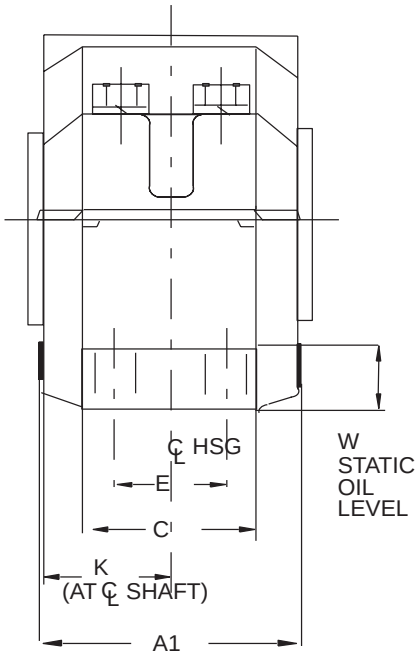
FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

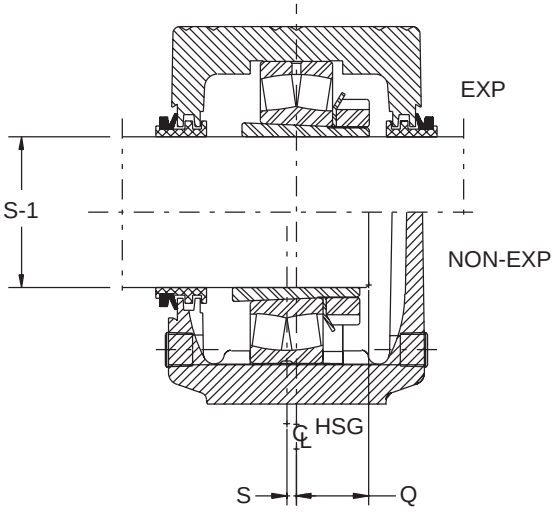
SELECTION/DIMENSIONS

USAF 500 Housing Dimensions

LUBE NOTE:
All Sizes Use A
1/8-27 NPT Hydraulic
Grease Fitting







FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

USAF 500 Housing Dimensions

S-1 Shaft Size	Housing	A1▲	B	C	D				E	F	
					2-Bolt		4-Bolt			Bolt Dia.	
					Min	Max	Min	Max		2-Bolt	4-Bolt
5-3/16	530	9-23/64	20-7/8	6-1/4	-	-	16-3/4	18-1/4	3-3/4	-	1
5-7/16 5-1/2	532	9-59/64	21-21/32	6-1/4	-	-	17-3/8	19-1/4	3-3/4	-	1
5-15/16 6	534	9-29/32	24-3/4	6-3/4	-	-	19-3/8	21-5/8	4-1/4	-	1
6-7/16 6-1/2	536	10-13/32	26-3/4	7-1/8	-	-	20-7/8	23-5/8	4-5/8	-	1
6-15/16 7	538	10-13/16	28	7-1/2	-	-	21-5/8	24-3/8	4-1/2	-	1-1/4
7-3/16	540	11-17/32	28-3/4	8	-	-	22-1/2	25	5	-	1-1/4
7-1/2	544S	12-19/64	32-3/4	8-7/8	-	-	24-3/4	27-7/8	5-1/4	-	1-1/2
7-15/16 8	544										
8-7/16 8-1/2 8-15/16 9	048	11-17/32	28-3/4	8	-	-	22-1/2	25	5	-	1-1/4
9-7/16 9-1/2	052	12-19/64	32-3/4	8-7/8	-	-	24-3/4	27-7/8	5-1/4	-	1-1/2
9-15/16 10	056	13-21/32	34-1/4	9	-	-	26-1/4	29-1/2	5-1/2	-	1-1/2
10-7/16 10-1/2	056L										

S-1 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
5-3/16	530	2-3/8	12-1/2	4-21/64	6-5/16	14-5/16	2-39/64	3/16	2-1/32	3-19/32	1-21/64	1/2-14NPSF
5-7/16 5-1/2	532	2-11/32	13-5/16	4-5/8	6-11/16	14-29/32	2-31/32	3/16	2-3/32	4-1/32	1-21/64	1/2-14NPSF
5-15/16 6	534	2-7/8	14-9/16	4-5/8	7-1/16	16-13/16	3-1/8	3/16	2-3/16	4-5/32	1-21/64	1/2-14NPSF
6-7/16 6-1/2	536	3	15-1/8	4-7/8	7-1/2	17-3/16	3-5/32	3/16	2-27/64	4-7/32	1-5/8	1/2-14NPSF
6-15/16 7	538	3-1/8	15-13/16	5-1/16	7-7/8	18	3-19/64	3/16	2-17/32	4-3/4	1-39/64	1/2-14NPSF
7-3/16	540	3-3/8	16-5/8	5-7/16	8-1/4	19	3-1/2	3/16	2-15/32	4-29/32	1-17/32	1/2-14NPSF
7-1/2	544S	3-3/4	18-7/8	5-13/16	9-1/2	21-1/4	3-47/64	3/16	3-1/4	5-7/16	2-1/32	1/2-14NPSF
7-15/16 8	544											
8-7/16 8-1/2 8-15/16 9	48	3-3/8	16-5/8	5-7/16	8-1/4	19	3-9/16	0	2-1/4	-	-	-
9-7/16 9-1/2	52	3-3/4	18-7/8	5-13/16	9-1/2	21-1/4	3-7/8	0	2-57/64	-	-	-
9-15/16 10	56	4	20	6-3/8	9-7/8	22-5/16	4	0	2-23/64	-	-	-
10-7/16 10-1/2	056L											

▲ Housing width with drain plugs
★ Distance shaft should extend beyond housing centerline if pillow block is closed end style
● Non-expansion bearing offset from centerline. For expansion bearing S = 0

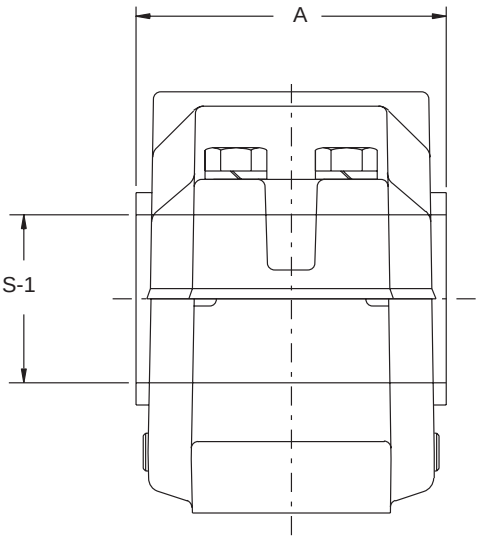
FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

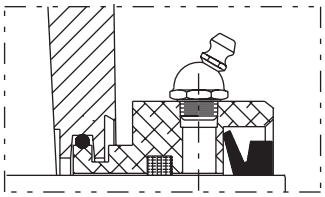
SELECTION/DIMENSIONS

DODGE®

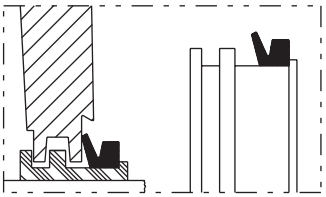
USAF 500 Pillow Block Seals

LENGTH THRU BORE W/SEALS

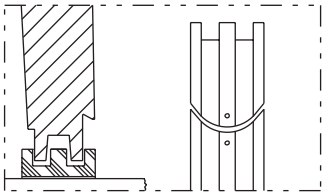




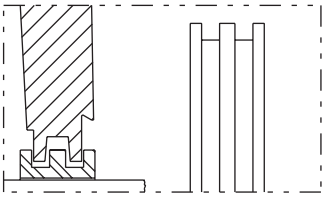
AUXILIARY TACONITE Seal
For dusty environments and low to moderate speeds



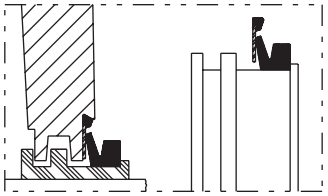
TRIPLE-TECT Seal
General purpose seal for wet or dirty environments



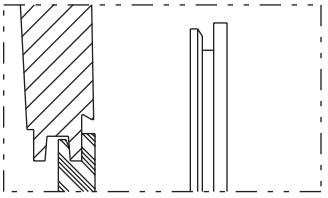
SPLIT Seal
Permits easy installation in hard-to-reach applications without removing shaft. Non-metallic split LER
See page B11-84 for SPLIT Seal part numbers



LER SEAL
High speed seal for relatively clean environments



DROP-IN TRIPLE-TECT Seal
DODGE exclusive. popular TRIPLE-TECT features with simplified installation.



END COVER Seal
Allows use of open shaft housing as closed-end

DODGE®

USAF 500 Pillow Block Seals

500 Seals - Inch											
S-1 Shaft size (Inch)	Housing	Seal Group	Part Numbers					A			
			Triple-Tect (TT)	Triple-Tect Drop-in (TTDN)	#Metal Labyrinth (LER)	Auxiliary Taconite (AUX)	End Cover	TT	TTDN	LER	AUX
1-7/16	509	8	**043578**	-	**042193**	**041685**	**040700**	3-31/32	3-31/32	3-27/64	6-9/16
1-11/16	510	10	**043579**	-	**042199**	**041686**	**040701**	4-9/64	4-9/64	3-39/64	64-7/64
1-15/16	511	12	**043540**	**039852**	**042512**	**041687**	**040702**	4-11/32	4-11/32	3-53/64	6-11/16
2-3/16	513	14	**043541**	**039853**	**042513**	**041688**	**040703**	4-23/32	4-23/32	4-3/16	7-9/16
2-7/16 2-1/2	515	20	**043542** **043543**	**039538** **039854**	**042514** **042515**	**042380** **040890**	**040704** **040704**	4-15/16	4-15/16	4-15/32	7-15/32
2-11/16 2-3/4	516	24	**043544** **043545**	**039855** **039856**	**042516** **042517**	**042381** **040891**	**040705** **040705**	5-21/64	5-21/64	4-23/32	7-23/32
2-15/16 3	517	28	**043546** **043547**	**039530** **039857**	**042518** **042519**	**042382** **040918**	**040706** **040706**	5-7/16	57/16	4-53/64	7-61/64
3-3/16	518	34	**043548**	**039858**	**042520**	**040892**	**040707**	6-13/64	6-13/64	5-45/64	8-17/64
3-7/16 3-1/2	520	46	**043549** **043550**	**039859** **039860**	**042521** **042522**	**042383** **040919**	**040708** **040708**	6-25/32	6-25/32	6-3/16	9-1/16
3-15/16 4	522	50	**043551** **043552**	**039861** **039862**	**042523** **042524**	**042384** **040893**	**040709** **040709**	7-1/6	7-1/8	6-19/32	9-3/64
4-3/16	524	52	**043553**	**039863**	**042525**	**044360**	**040710**	7-29/32	7-19/32	7-5/16	-
4-7/16 4-1/2	526	54	**043554** **043555**	**039864** **039865**	**042526** **042527**	**042385** **042386**	**040711** **040711**	8-5/64	8-5/64	7-1/2	10-5/8
4-15/16 5	528	56	**043556** **043557**	**039866** **039867**	**042528** **042529**	**042387** **040894**	**040712** **040712**	8-15/32	8-15/32	7-7/8	11-1/8
5-3/16	530	58	**043558**	-	**042530**	-	**040713**	9-9/32	9-9/32	8-45/64	-
5-7/16 5-1/2	532	60	**043559** **043574**	- -	**042531** **042532**	**042388** **040895**	**040714** **040714**	9-25/32	9-25/32	9-13/64	11-61/64
5-15/16 6	534	64	**043560** **043561**	- -	**042533** **042534**	**042389** **041646**	**040681** **040681**	9-53/64	9-53/64	9-1/8	11-7/8
6-7/16 6-1/2	536	68	**043562** **043563**	- -	**042535** **042536**	**042390** **042391**	**040682** **040682**	10-25/64	10-25/64	9-11/16	12-15/16
6-15/16 7	538	72	**043564** **043565**	- -	**042537** **042538**	**042392** **043109**	**040683** **040683**	10-11/16	10-11/16	9-63/64	13-15/64
7-3/16	540	74	**046421**	-	**043386**	**040690**	**040691**	11-7/16	-	10-23/32	15-9/32
7-1/2	544S	76	**043567**	-	**042539**	**040896**	**040684**	12-1/8	12-1/8	11-13/32	-
7-15/16 8	544	78	**043566** **043568**	- -	**042540** **042541***	**042393**❖ **042394**❖	**040685** **040685**				15-31/32 ❖
8-7/16 8-1/2 8-15/16 9	048	90	**043569** **043570** **043571** **043572**	- - - -	**042542*** **042543*** **042544*** **042545***	**040897**❖ **040898**❖ **040899**❖ **040995**❖	**042368** **042368** **042368** **042368**	12-1/16	-	11-23/32	15-17/32 ❖
9-7/16 9-1/2	052	84	**043538** **422545**	- -	**042510*** **042594***	**040900**❖ **040901**❖	**422606** **422606**	12-49/64	-	11-13/32	16-7/32 ❖
9-15/16 10	056	92	**043575** **043573**	- -	**042511*** **041082***	- **042395**❖	**042369** **042369**	13-59/64	-	12-21/32	17-1/8 ❖
10-7/16 10-1/2	056L	94	**047940** **047941**	- -	**042036*** **422573***	- **042396**❖	**042397** **042397**	14-3/64	-	12-21/32	17-1/8 ❖

❖ Includes collar

**NOTE:** LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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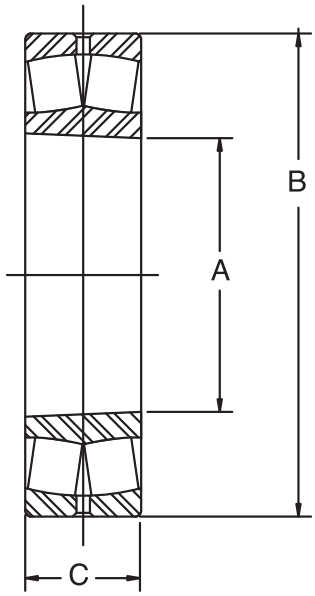
SELECTION/DIMENSIONS

USAF 22200K and 23000K Spherical Roller Bearings



USAF 22200K and 23000K Spherical Roller Bearings

S-1 Shaft Size (Inch)	Housing	Bearing No.	Part No.	Approx. Wt. (Lbs)	A Inch (mm)	B Inch (mm)	C Inch (mm)
1-7/16	509	22209K	**422134**	1.2	1.7717 (45)	3.3465 (85)	.9055 (23)
1-11/16	510	22210K	**422137**	1.3	1.9685 (50)	3.5233 (90)	.9055 (23)
1-15/16	511	22211K	**422123**	1.8	2.1654 (55)	3.9370 (100)	.9843 (25)
2-3/16	513	22213K	**422124**	3.2	2.5591 (65)	4.7244 (120)	1.2205 (31)
2-7/16 2-1/2	515	22215K	**422001**	3.6	2.9528 (75)	5.1181 (130)	1.2205 (31)
2-11/16 2-3/4	516	22216K	**422003**	4.4	3.1496 (80)	5.5188 (140)	1.2992 (33)
2-15/16 3	517	22217K	**422005**	5.5	3.3465 (85)	5.9055 (150)	1.4173 (36)
3-3/16	518	22218K	**422007**	7.0	3.5433 (90)	6.2992 (160)	1.5748 (40)
3-7/16 3-1/2	520	22220K	**422009**	10.4	3.9370 (100)	7.0866 (180)	1.8110 (46)
3-15/16 4	522	22222K	**422011**	14.9	4.3307 (110)	7.8740 (200)	2.0866 (53)
4-3/16	524	22224K	**422013**	18.7	4.7244 (120)	8.4646 (215)	2.2865 (58)
4-7/16 4-1/2	526	22226K	**422015**	23.4	5.1181 (130)	9.0551 (230)	2.5197 (64)
4-15/16 5	528	22228K	**422017**	29.5	5.5118 (140)	9.8425 (250)	2.6772 (68)
5-3/16	530	22230K	**422019**	37.5	5.9055 (150)	10.6299 (270)	2.8740 (73)
5-7/16 5-1/2	532	22232K	**422021**	48.1	6.2992 (160)	11.4173 (290)	3.1496 (80)
5-15/16 6	534	22234K	**422023**	58.0	6.6929 (170)	12.2047 (310)	3.3858 (86)
6-7/16 6-1/2	536	22236K	**422025**	60.8	7.0866 (180)	12.5984 (320)	3.3858 (86)
6-15/16 7	538	22238K	**422027**	78.9	7.4803 (190)	13.3858 (340)	3.6220 (92)
7-3/16	540	22240K	**422064**	94.1	7.8740 (200)	14.1732 (360)	3.8583 (98)
7-1/2	544S	22244K	**422029**	129.0	8.6614 (220)	14.7480 (400)	4.2520 (108)
7-15/16 8	544						
8-7/16 8-1/2 8-15/16 9	048	23048K	**422031**	73.4	9.4488 (240)	14.1732 (360)	3.6220 (92)
9-7/16 9-1/2	052	23052K	**422543**	106.0	10.2362 (260)	15.7480 (400)	4.0945 (104)
9-15/16 10	056	23056K	**422030**	114.0	11.0236 (280)	16.5354 (430)	4.1732 (106)
10-7/16 10-1/2	056L						

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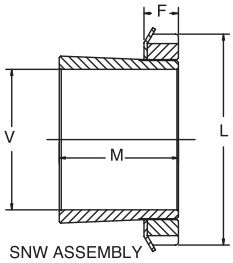
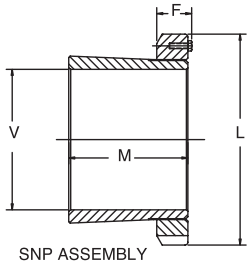
SELECTION/DIMENSIONS

DODGE®

USAF 500 Adaptor Assembly (SNW)



SNW ASSEMBLY



SNP ASSEMBLY

V Shaft Dia. (In)	Housing	SNW/SNP Number	Part Number	Approx Wt. (Lbs)	L (in.)	F Max (in.)	M (in.)
1-7/16	509	H309-SNW-107	**046350**	1.0	2.53	.52	1.58
1-11/16	510	H310-SNW-111	**046351**	1.0	2.69	.58	1.77
1-15/16	511	H311-SNW-115	**046352**	0.8	2.97	.58	1.85
2-3/16	513	H313-SNW-203	**046353**	1.6	3.38	.64	2.10
2-7/16	515	H315-SNW-207	**046354**	2.6	3.88	.69	2.29
2-1/2		H315-SMW-208	**046355**	2.3			
2-11/16	516	H316-SNW-211	**046356**	2.6	4.16	.69	2.37
2-3/4		H316-SNW-212	**046357**	2.6			
2-15/16	517	H317-SNW-215	**046358**	3.0	4.41	.72	2.47
3		H317-SNW-300	**046359**	2.5			
3-3/16	518	H318-SNW-303	**046360**	3.1	4.66	.80	2.63
3-7/16	520	H320-SNW-307	**046361**	4.6	5.19	.83	2.87
3-1/2		H320-SNW-308	**046362**	4.4			
3-15/16	522	H322-SNW-315	**046363**	5.6	5.72	.86	3.19
4		H322-SNW-400	**046364**	5.0			
4-3/16	524	H3124-SNW-403	**046430**	6.5	6.12	.92	3.47
4-7/16	526	H3126-SNW-407	**046431**	9.2	6.75	.95	3.76
4-1/2		H3126-SNW-408	**046432**	8.6			
4-15/16	528	H3128-SNW-415	**046433**	10.0	7.09	1.02	3.97
5		H3128-SNW-500	**046434**	9.0			
5-3/16	530	SNW30-503	**043618**	12.7	7.69	1.08	4.22
5-7/16	532	SNW32-507	**043619**	15.9	8.06	1.14	4.57
5-1/2		SNW32-508	**043634**	15.0			
5-15/16	534	SNW34-515	**043620**	17.6	8.66	1.23	4.83
6		SNW34-600	**043621**	17.0			
6-7/16	536	SNW36-607	**043622**	17.0	9.06	1.27	5.02
6-1/2		SNW36-608	**043623**	18.0			
6-15/16	538	SNW38-615	**043624**	18.0	9.47	1.30	5.26
7		SNW38-700	**043625**	17.0			
7-3/16	540	SNW40-703	**046545**	30.7	9.84	1.36	5.48
7-1/2	544S	SNW44-708	**043627**	30.2	11.00	1.42	5.90
7-15/16	544	SNW44-715	**043626**	36.0			
8		SNW44-800	**043628**	34.7			
8-7/16	048	SNP048-807	**043629**	38.0	11.44	1.73	5.44
8-1/2		SNP048-808	**043630**	30.0			
8-15/16		SNP048-815	**043631**	28.0			
9		SNP048-900	**043632**	22.0			
9-7/16	052	SNP052-907	**043585**	41.1	12.19	1.80	6.02
9-1/2		SNP052-908	**422538**	40.0			
9-15/16	056	SNP056-915	**043586**	43.7	13.00	1.89	6.19
10		SNP056-1000	**043633**	42.0			
10-7/16	056L	SNP056-1007	**043580**	30.0			
10-1/2		SNP056-1008	**422567**	28.0			

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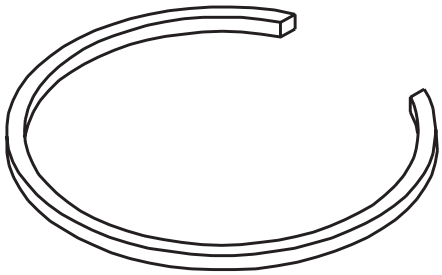
USAF Stabilizing Rings



Housing	Stab. Ring No.	Stab. Ring Part No. ▲
509	9-9	**041987**
510	10-8	**042335**
511	11-9	**042315**
513	13-0	**042316**
515/215	15-0	**041174**
516/216	16-13	**041172**
517/217	17-14	**041175**
518/218	18-15	**041173**
520/220	20-17	**041176**
522/222	22-19	**041177**
524/224	24-20	**041185**
526/226	26-0	**041178**
528/228	28-0	**041179**
530/230	30-0	**041186**
532/232	32-0	**041180**
534/234	34-0	**041181**
536/236	36-30	**041184**
538/238	38-32	**041182**
540/240	40-34	**046639**
544S/544/244	44-38	**041183**
* 048	A8897	**041161**
* 052	A8898	**422554**
* 056/056L	A8819	**041213**

Housing	Stab. Ring No.	Stab. Ring Part No. ▲
308	10-8	**042335**
609/309	11-9	**042315**
610/310	0-10	**046642**
611/311	6-11	**046632**
312	15-0	**041174**
613/313	16-13	**041172**
314	17-14	**041175**
615/315	18-15	**041173**
616/316	19-16	**046643**
617/317	20-17	**041176**
620/320	24-20	**041185**
622/322	0-22	**046635**
624/324	0-24	**046634**
626/326	0-26	**046637**
628/328	0-28	**046638**
630/330	36-30	**041184**
632/332	38-32	**041182**
634/334	40-34	**046639**
638/338	44-38	**041183**

* Two stabilizing rings required per housing

▲ Part numbers for reference only. Housings come equipped with stabilizing rings enclosed

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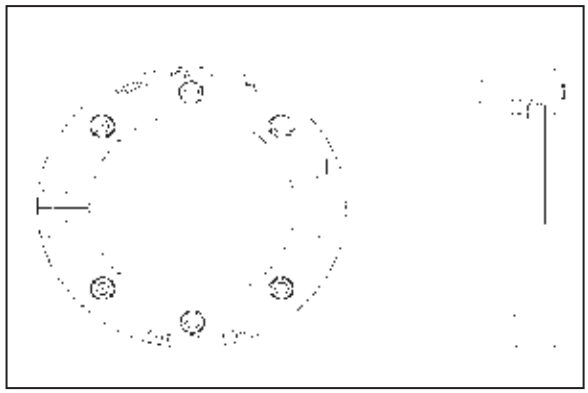
SELECTION/DIMENSIONS

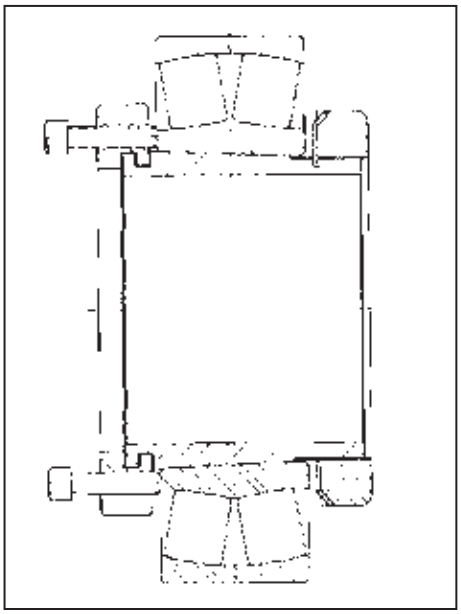
DODGE®

USAF/SN D-Mount Adapter System

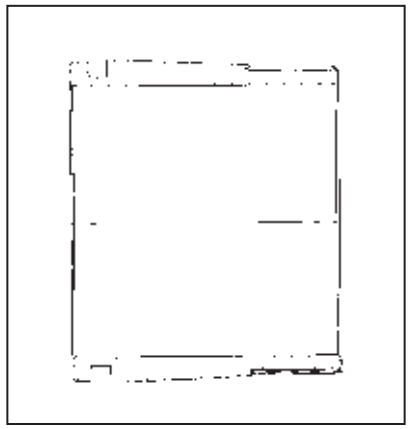
1. **Saves time removing bearing from shaft!**
2. **Reduces the use of blue flame torches!**
3. **Increases uptime!**
4. **Lower maintenance costs!**



D-MOUNT TOOL



D-MOUNT TOOL - SNW - BEARING WITH TOOL ASSEMBLED READY TO REMOVE BEARING



D-MOUNT ADAPTER SLEEVE

Patented tool and adapter sleeve design. For use on 22209K through 22244K size bearings

HOW IT WORKS

Split D-Mount tool is mounted on D-Mount adapter and uses socket head cap screws to force the inner ring off the taper to unlock the bearing from the adapter sleeve. No additional space allowance is required.

This adapter sleeve is used in place of the standard adapter sleeve.

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D-MOUNT Adapter System SAF/SN Mounted Bearings
PART NUMBERS AND DESCRIPTION

Part No.	Description-Inch
D-Mount Adapter with Removal Feature-USAF500	
046960	DH09-SNW-107
046961	DH10-SNW-111
046962	DH11-SNW-115
046963	DH13-SNW-203
046964	DH15-SNW-207
046965	DH15-SNW-208
046966	DH16-SNW-211
046967	DH1 6-SNW-212
046968	DH17-SNW-215
046969	DH17-SNW-300
046970	DH18-SNW-303
046971	DH20-SNW-307
046972	DH20-SNW-308
046973	DH22-SNW-315
046974	DH22-SNW-400
046975	DH24-SNW-403
046976	DH26-SNW-407
046977	DH26-SNW-408
046978	DH28-SNW-415
046979	DH28-SNW-500
046980	DH30-SNW-503
046981	DH32-SNW-507
046982	DH32-SNW-508
046983	DH34-SNW-515
046984	DH34-SNW-600
046985	DH36-SNW-607
046986	DH36-SNW-608
046987	DH38-SNW-615
046988	DH38-SNW-700
046989	DH40-SNW-703
046991	DH44-SNW-708
046992	DH44-SNW-715
046993	DH44-SNW-800

* Made to order.

Part No.	Description-Metric
D-Mount Adapter with Removal Feature-USN500	
047815 *	DH09-SNW-40M
047816 *	DH10-SNW-45M
047817 *	DH11-SNW-50M
047818 *	DH12-SNW-55M
047819 *	DH13-SNW-60M
047820 *	DH15-SNW-65M
047821 *	DH16-SNW-70M
047822 *	DH17-SNW-75M
047823 *	DH18-SNW-80M
047824 *	DH19-SNW-85M
047825 *	DH20-SNW-90M
047826 *	DH22-SNW-100M
047827 *	DH24-SNW-110M
047828 *	DH26-SNW-115M
047829 *	DH28-SNW-125M
047830 *	DH30-SNW-135M
047831 *	DH32-SNW-140M

Part No.	Description
D-Mount Adapter Removal Tools	
046872	D-MOUNT TOOL 09
046873	D-MOUNT TOOL 10
046874	D-MOUNT TOOL 11
046850	D-MOUNT TOOL 12
046875	D-MOUNT TOOL 13
046876	D-MOUNT TOOL 15
046877	D-MOUNT TOOL 16
046878	D-MOUNT TOOL 17
046879	D-MOUNT TOOL 18
046851	D-MOUNT TOOL 19
046880	D-MOUNT TOOL 20
046881	D-MOUNT TOOL 22
046882	D-MOUNT TOOL 24
046883	D-MOUNT TOOL 26
046884	D-MOUNT TOOL 28
046885	D-MOUNT TOOL 30
046886	D-MOUNT TOOL 32
046887	D-MOUNT TOOL 34
046891	D-MOUNT TOOL 36
046892	D-MOUNT TOOL 38
046893	D-MOUNT TOOL 40
046894	D-MOUNT TOOL 44

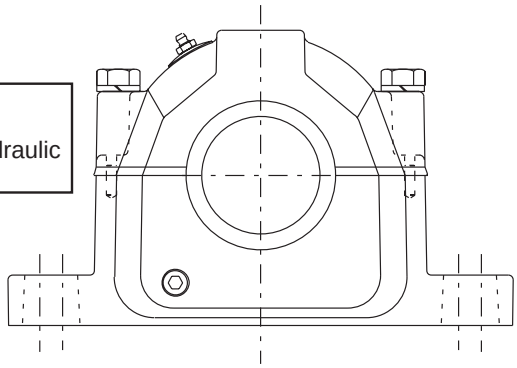
NOTE: The D-MOUNT Adapter Sleeve SNW Assembly should be used in place of the standard SNW assembly during installation. The D-MOUNT tool will be needed during removal.

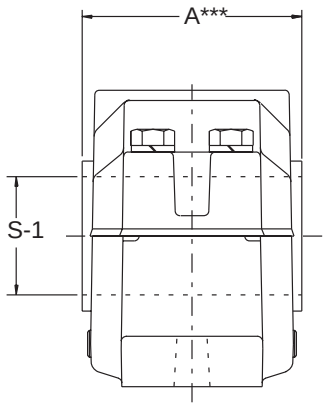
SELECTION/DIMENSIONS

DODGE®

USAF 500 Air Handling Pillow Blocks with TRIPLE-TECT Seals

LUBE NOTE:
All Sizes Use A
1/8-27 NPT Hydraulic
Grease Fitting





Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)	SNW Part No.	TRIPLE-TECT Part No.	End Cover Part No.
1-7/16	P2B509-USAF-107TTAH 039100	H2S-509-USAF 043995	BRG22209KC3AH 422980	24,500	5,600	H309-SNW-107 046350	08TT107 043578	EC08 040700
1-11/16	P2B510-USAF-111TTAH 039101	H2S-510-USAF 043996	BRG22210KC3AH 422981	26,000	5,300	H310-SNW-111 046351	10TT111 043579	EC10 040701
1-15/16	P2B511-USAF-115TTAH 039102	H2S-511-USAF 043997	BRG22211KC3AH 422982	31,500	4,500	H311-SNW-115 046352	12TT115 043540	EC12 040702
2-3/16	P2B513-USAF-203TTAH 039103	H2S-513-USAF 043998	BRG22213KC3AH 422983	45,500	3,800	H313-SNW-203 046353	14TT203 043541	EC14 040703
	P4B513-USAF-203TTAH 039113	H4S-513-USAF 039669	BRG22213KC3AH 422983	45,500	3,800	H313-SNW-203 046353	14TT203 043541	EC14 040703
2-7/16	P2B515-USAF-207TTAH 039104	H2S-515-USAF 044000	BRG22215KC3AH 422984	48,000	3,400	H315-SNW-207 046354	20TT207 043542	EC20 040704
	P4B515-USAF-207TTAH 039114	H4S-515-USAF 044003	BRG22215KC3AH 422984	48,000	3,400	H315-SNW-207 046354	20TT207 043542	EC20 040704
2-1/2	P2B515-USAF-208TTAH 039105	H2S-515-USAF 044000	BRG22215KC3AH 422984	48,000	3,400	H315-SNW-208 046355	20TT208 043543	EC20 040704
	P4B515-USAF-208TTAH 039115	H4S-515-USAF 044003	BRG22215KC3AH 422984	48,000	3,400	H315-SNW-208 046355	20TT208 043543	EC20 040704
2-11/16	P2B516-USAF-211TTAH 039106	H2S-516-USAF 044198	BRG22216KC3AH 422985	56,000	3,200	H316-SNW-211 046356	24TT211 043544	EC24 040705
	P4B516-USAF-211TTAH 039116	H4S-516-USAF 044007	BRG22216KC3AH 422985	56,000	3,200	H316-SNW-211 046356	24TT211 043544	EC24 040705
2-3/4	P2B516-USAF-212TTAH 039107	H2S-516-USAF 044198	BRG22216KC3AH 422985	56,000	3,200	H316-SNW-212 046357	24TT212 043545	EC24 040705
	P4B516-USAF-212TTAH 039117	H4S-516-USAF 044007	BRG22216KC3AH 422985	56,000	3,200	H316-SNW-212 046357	24TT212 043545	EC24 040705
2-15/16	P2B517-USAF-215TTAH 039108	H2S-517-USAF 044010	BRG22217KC3AH 422986	68,000	3,000	H317-SNW-215 046358	28TT215 043546	EC28 040706
	P4B517-USAF-215TTAH 039118	H4S-517-USAF 044013	BRG22217KC3AH 422986	68,000	3,000	H317-SNW-215 046358	28TT215 043546	EC28 040706

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

USAF 500 Air Handling Pillow Blocks with TRIPLE-TECT Seals

Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)	SNW Part No.	TRIPLE-TECT Part No.	End Cover Part No.
3	P2B517-USAF-300TTAH 039109	H2S-517-USAF 044013	BRG22217KC3AH 422986	68,000	3,000	H317-SNW-300 046359	28TT300 043547	EC28 040706
	P4B517-USAF-300TTAH 039119	H4S-517-USAF 044013	BRG22217KC3AH 422986	68,000	3,000	H317-SNW-300 046359	28TT300 043547	EC28 040706
3-3/16	P2B518-USAF-303TTAH 039110	H2S-518-USAF 044199	BRG22218KC3AH 422987	78,000	2,600	H318-SNW-303 046360	34TT303 043548	EC34 040707
	P4B518-USAF-303TTAH 039120	H4S-518-USAF 044114	BRG22218KC3AH 422987	78,000	2,600	H318-SNW-303 046360	34TT303 043548	EC34 040707
3-7/16	P2B520-USAF-307TTAH 039111	H2S-520-USAF 044020	BRG22220KC3AH 422988	96,500	2,200	H320-SNW-307 046361	46TT307 043549	EC46 040708
	P4B520-USAF-307TTAH 039121	H4S-520-USAF 044023	BRG22220KC3AH 422988	96,500	2,200	H320-SNW-307 046361	46TT307 043549	EC46 040708
3-1/2	P2B520-USAF-308TTAH 039112	H2S-520-USAF 044020	BRG22220KC3AH 422988	96,500	2,200	H320-SNW-308 046362	46TT308 043550	EC46 040708
	P4B520-USAF-308TTAH 039122	H4S-520-USAF 044023	BRG22220KC3AH 422988	96,500	2,200	H320-SNW-308 046362	46TT308 043550	EC46 040708
3-15/16	P4B522-USAF-315TTAH 039123	H4S-522-USAF 044025	BRG22222KC3AH 422989	122,000	2,000	H322-SNW-315 046363	50TT315 043551	EC50 040709
4	P4B522-USAF-400TTAH 039124	H4S-522-USAF 044025	BRG22222KC3AH 422989	122,000	2,000	H322-SNW-400 046364	50TT400 043552	EC50 040709
4-3/16	P4B524-USAF-403TTAH 039125	H4S-524-USAF 044202	BRG22224KC3AH 422990	143,000	1,900	H3124-SNW-403 046430	52TT403 043553	EC52 040710
4-7/16	P4B526-USAF-407TTAH 039126	H4S-526-USAF 044031	BRG22226KC3AH 422991	170,000	1,800	H3126-SNW-407 046431	54TT407 043554	EC54 040711
4-1/2	P4B526-USAF-408TTAH 039127	H4S-526-USAF 044031	BRG22226KC3AH 422991	170,000	1,800	H3126-SNW-408 046432	54TT408 043555	EC54 040711
4-15/16	P4B528-USAF-415TTAH 039128	H4S-528-USAF 044034	BRG22228KC3AH 422992	196,000	1,700	H3128-SNW-415 046433	56TT415 043556	EC56 040712
5	P4B528-USAF-500TTAH 039129	H4S-528-USAF 044034	BRG22228KC3AH 422992	196,000	1,700	H3128-SNW-500 046434	56TT500 043557	EC56 040712

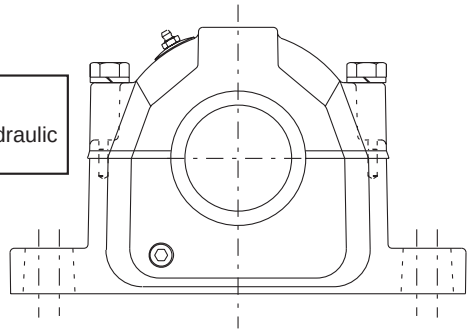
FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

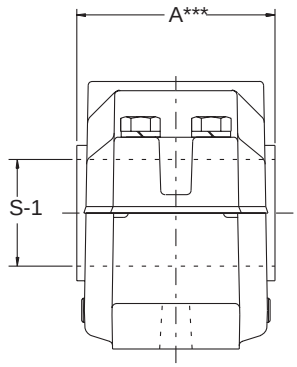
SELECTION/DIMENSIONS

DODGE®

USAF 500 Air Handling Pillow Blocks with LER Seals

LUBE NOTE:
All Sizes Use A
1/8-27 NPT Hydraulic
Grease Fitting





Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm LER (Grease)	SNW Part No.	# LER Part No.	End Cover Part No.
1-7/16	P2B509-USAF-107LERAH 035762	H2S-509-USAF 043995	BRG22209KC3 422980	24,500	5,600	H309-SNW-107 046350	08LER107 042193	EC08 040700
1-11/16	P2B510-USAF-111LERAH 035763	H2S-510-USAF 043996	BRG22210KC3 422981	26,000	5,300	H310-SNW-111 046351	10LER111 042199 *	EC10 040701
1-15/16	P2B511-USAF-115LERAH 035764	H2S-511-USAF 043997	BRG22211KC3 422982	31,500	4,500	H311-SNW-115 046352	12LER115 042512	EC12 040702
2-3/16	P2B513-USAF-203LERAH 035765	H2S-513-USAF 043998	BRG22213KC3 422983	45,500	3,800	H313-SNW-203 046353	14LER203 042513	EC14 040703
	P4B513-USAF-203LERAH 035775	H4S-513-USAF 039669	BRG22213KC3 422983	45,500	3,800	H313-SNW-203 046353	14LER203 042513	EC14 040703
2-7/16	P2B515-USAF-207LERAH 035766	H2S-515-USAF 044000	BRG22215KC3 422984	48,000	3,400	H315-SNW-207 046354	20LER207 042514	EC20 040704
	P4B515-USAF-207LERAH 035776	H4S-515-USAF 044003	BRG22215KC3 422984	48,000	3,400	H315-SNW-207 046354	20LER207 042514	EC20 040704
2-1/2	P2B515-USAF-208LERAH 035767	H2S-515-USAF 044000	BRG22215KC3 422984	48,000	3,400	H315-SNW-208 046355	20LER208 042515	EC20 040704
	P4B515-USAF-208LERAH 035777	H4S-515-USAF 044003	BRG22215KC3 422984	48,000	3,400	H315-SNW-208 046355	20LER208 042515	EC20 040704
2-11/16	P2B516-USAF-211LERAH 035768	H2S-516-USAF 044198	BRG22216KC3 422985	56,000	3,200	H316-SNW-211 046356	24LER211 042516	EC24 040705
	P4B516-USAF-211LERAH 035778	H4S-516-USAF 044007	BRG22216KC3 422985	56,000	3,200	H316-SNW-211 046356	24LER211 042516	EC24 040705
2-3/4	P2B516-USAF-212LERAH 035769	H2S-516-USAF 044198	BRG22216KC3 422985	56,000	3,200	H316-SNW-212 046357	24LER212 042517	EC24 040705
	P4B516-USAF-212LERAH 035779	H4S-516-USAF 044007	BRG22216KC3 422985	56,000	3,200	H316-SNW-212 046357	24LER212 042517	EC24 040705
2-15/16	P2B517-USAF-215LERAH 035770	H2S-517-USAF 044010	BRG22217KC3 422986	68,000	3,000	H317-SNW-215 046358	28LER215 042518	EC28 040706
	P4B517-USAF-215LERAH 035780	H4S-517-USAF 044013	BRG22217KC3 422986	68,000	3,000	H317-SNW-215 046358	28LER215 042518	EC28 040706

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

DODGE®

USAF 500 Air Handling Pillow Blocks with LER Seals

Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm LER (Grease)	SNW Part No.	# LER Part No.	End Cover Part No.
3	P2B517-USAF-300LERAH 035771	H2S-517-USAF 044010	BRG22217KC3 422986	68,000	3,000	H317-SNW-300 046359	28LER300 042519	EC28 040706
	P4B517-USAF-300LERAH 035781	H4S-517-USAF 044013	BRG22217KC3 422986	68,000	3,000	H317-SNW-300 046359	28LER300 042519	EC28 040706
3-3/16	P2B518-USAF-303LERAH 035772	H2S-518-USAF 044199	BRG22218KC3 422987	78,000	2,600	H318-SNW-303 046360	34LER303 042520	EC34 040707
	P4B518-USAF-303LERAH 035782	H4S-518-USAF 044114	BRG22218KC3 422987	78,000	2,600	H318-SNW-303 046360	34LER303 042520	EC34 040707
3-7/16	P2B520-USAF-307LERAH 035773	H2S-520-USAF 044020	BRG22220KC3 422988	96,500	2,200	H320-SNW-307 046361	46LER307 042521	EC46 040708
	P4B520-USAF-307LERAH 035783	H4S-520-USAF 044023	BRG22220KC3 422988	96,500	2,200	H320-SNW-307 046361	46LER307 042521	EC46 040708
3-1/2	P2B520-USAF-308LERAH 035774	H2S-520-USAF 044020	BRG22220KC3 422988	96,500	2,200	H320-SNW-308 046362	46LER308 042522	EC46 040708
	P4B520-USAF-308LERAH 035784	H4S-520-USAF 044023	BRG22220KC3 422988	96,500	2,200	H320-SNW-308 046362	46LER308 042522	EC46 040708
3-15/16	P4B522-USAF-315LERAH 035785	H4S-522-USAF 044025	BRG22222KC3 422989	122,000	2,000	H322-SNW-315 046363	50LER315 042523	EC50 040709
4	P4B522-USAF-400LERAH 035786	H4S-522-USAF 044025	BRG22222KC3 422989	122,000	2,000	H322-SNW-400 046364	50LER400 042524	EC50 040709
4-3/16	P4B524-USAF-403LERAH 035787	H4S-524-USAF 044202	BRG22224KC3 422990	143,000	1,900	H3124-SNW-403 046430	52LER403 042525	EC52 040710
4-7/16	P4B526-USAF-407LERAH 035788	H4S-526-USAF 044031	BRG22226KC3 422991	170,000	1,800	H3126-SNW-407 046431	54LER407 042526	EC54 040711
4-1/2	P4B526-USAF-408LERAH 035789	H4S-526-USAF 044031	BRG22226KC3 422991	170,000	1,800	H3126-SNW-408 046432	54LER408 042527	EC54 040711
4-15/16	P4B528-USAF-415LERAH 035790	H4S-528-USAF 044034	BRG22228KC3 422992	196,000	1,700	H3128-SNW-415 046433	56LER415 042528	EC56 040712
5	P4B528-USAF-500LERAH 035791	H4S-528-USAF 044034	BRG22228KC3 422992	196,000	1,700	H3128-SNW-500 046434	56LER500 042529	EC56 040712

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

SELECTION/DIMENSIONS

DODGE USAF Air Handling Bearing Assemblies Using 12XX Series Self Aligning Double Row Ball Bearing

Shaft Size	Housing Series	Housing Part No.		Bearing		Adapter Part No.	Seal Part No. # LER (2-Req)	Stab Ring For Fixed Units		
		2-Bolt	4-Bolt	Part No.	Description			Description	Qty Req	Part No.
1-7/16	509	**043995**	---	**052637**	1209K.C3	**046350**	**042193**	SR-9-0	1	**058902**
1-11/16	510	**043996**	---	**052638**	1210K.C3	**046351**	**042199 ***	SR-10-8	1	**058903**
1-15/16	511	**043997**	---	**052639**	1211K.C3	**046352**	**042512**	SR-11-9	1	**058699**
2-3/16	513	**043998**	**039669**	**052640**	1213K.C3	**046353**	**042513**	SR-13	2	**042316**
2-7/16	515	**044000**	**044003**	**052641**	1215K.C3	**046354**	**042514**	SR-15-0	2	**058904**
2-11/16	516	**044198**	**044007**	**052642**	1216K.C3	**046356**	**042516**	SR-1516	2	**058905**
2-15/16	517	**044010**	**044013**	**052643**	1217K.C3	**046358**	**042518**	SR-1517	2	**058906**
3-3/16	518	**044199**	**044114**	**052570**	1218K.C3	**046360**	**042520**	SR-1518	2	**058907**
3-7/16	520	**044020**	**044023**	**052644**	1220K.C3	**046361**	**042521**	SR-1520	2	**058908**
3-15/16	522	---	**044025**	**051841**	1222K.C3	**046363**	**042523**	SR-1522	2	**058909**

Standard AH housings come with stabilizing ring for fixing spherical roller bearings.

With the use of the 12xx series ball bearings, if a fixed bearing is required, special stabilizing rings are needed.

Remove standard stab ring, which comes with housing, and replace with the above ball bearing stab rings.

The 4-3/16" unit is not available as fixed unit due to non-standard stab ring width. (2) special width.503-.057" would be needed.

In cases where two stab rings are needed, one should be placed on each side of the bearing.

* DODGE USAF Air Handling Bearing Assemblies use the USAF 500 Series Housings. See Page B11-40 - B11-43 for dimensions

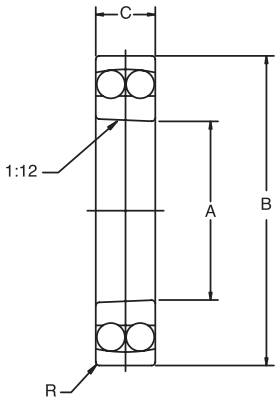
NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.

If an * appears by the part number, the LER seal is manufactured from Steel.

STABILIZING RING DIMENSIONS

Stab Ring	
O.D.	Width
3.31	.382-.386
3.51	.382-.386
3.9	.382-.386
4.68	.311-.315
5.08	.236-.232
5.47	.326-.330
5.87	.346-.350
6.26	.386-.390
7.04	.425-.429
7.83	.484-.488

DODGE USAF Air Handling 1200 Series Self-Aligning Ball Bearing



Shaft Size	Bearing Series	e	FA/FR ≤ e	FA/FR > e	Dynamic Capacity C	Static Capacity CO	Maximum RPM	
			Y	Y			Grease	Oil
107	1209	0.21	3.0	4.7	4900	1660	7500	9000
111	1210	0.20	3.2	4.9	5100	1830	7000	8500
115	1211	0.19	3.3	5.1	6000	2240	6300	7500
203	1213	0.18	3.6	5.5	6950	2800	5300	6300
207	1215	0.17	3.6	5.6	8800	3450	4800	5600
211	1216	0.16	3.9	6.0	9000	3800	4300	5000
215	1217	0.17	3.7	5.8	11000	4550	4000	4800
303	1218	0.17	3.7	5.8	12900	5300	3800	4500
307	1220	0.18	3.6	5.5	15600	6700	3200	3800
315	1222	0.17	3.6	5.6	19600	8650	2800	3400
403	1224	0.20	3.11	4.81	27000	11800	2800	3400

Note:

Peq = FR + YFA when FA / FR ≤ e

Peq = 0.65 FR + YFA when FA / FR > e

L10 = (C/P) 3 x 16667 / RPM

NOTE: For more information, see Page B11-40 thru B11-43

Shaft	Housing	Bearing No	A		B		C		R	
			Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
107	509	1209K.C3	1.7717	45	3.3465	85	0.7480	19	0.043	1.1
111	510	1210K.C3	1.9685	50	3.5433	90	0.7874	20	0.043	1.1
115	511	1211K.C3	2.1654	55	3.9370	100	0.8268	21	0.059	1.5
203	513	1213K.C3	2.5591	65	4.7244	120	0.9055	23	0.059	1.5
207	515	1215K.C3	2.9528	75	5.1181	130	0.9843	25	0.059	1.5
211	516	1216K.C3	3.1496	80	5.5118	140	1.0236	26	0.079	2.0
215	517	1217K.C3	3.3465	85	5.9055	150	1.1024	28	0.079	2.0
303	518	1218K.C3	3.5433	90	6.2992	160	1.1811	30	0.079	2.0
307	520	1220K.C3	3.9370	100	7.0866	180	11.3386	34	0.083	2.1
315	522	1222K.C3	4.3307	110	7.8740	200	1.4960	38	0.083	2.1
403	524	1224K.C3	4.7244	120	8.4646	215	1.6535	42	0.083	2.1

SELECTION/DIMENSIONS

How to Order
USAF Smart Stock Selections

Step 1: The Housing Choices

All smart housings feature an embedded thermocouple.

When speed is monitored, select cast-closed end.

For temperature and/or vibration monitoring without speed, both sides open may be selected

For speed, as well as temperature and vibration monitoring, select cast closed end.

Stab rings are included with all housings.

Size	Housing Series	4B Both Sides Open	4B Cast Close End
		Part No.	Part No.
207	515	**067501**	**067503**
215	517	**067509**	**067511**
307	520	**067517**	**067519**
315	522	**067520**	**067521**
407	526	**055572**	**055654**
415	528	**055734**	**055906**
515	534	**057958**	**055881**
615	538	**055876**	**057966**

Step 2: The Sensor Choices

OR For speed monitoring use AC prox
DC prox

AND/OR For temperature monitoring, use thermocouple transmitter

OR For speed, temperature and vibration monitoring use EZLINK

If you want to monitor speed through EZLINK, you'll also need to order a cable connector kit and a DC prox

USAF Sensor Kits	Part No.
AC Prox	**055940**
DC Prox	**055945**
Thermocouple Transmitter	**055931**
EZLINK	**059652**
Cable Connector Kit	**063694**
4 - 20 ma Accelerometer and Thermocouple	**067576**

Step 3: Other Parts You Will Need To Order

If monitoring speed, you will need a special SNW. If you are not monitoring speed, you can use a standard SNW. Special SNW's feature a modified nut with prox targets

Bearings

Size	Bearing Series	Part No.
207	22215K	**422001**
215	22217K	**422005**
307	22220K	**422009**
315	22222K	**422011**
407	22226K	**422015**
415	22228K	**422017**
515	22234K	**422023**
615	22238K	**422027**

Adapters

Size	Special SNW Part No.	Standard SNW Part No.
207	**055740**	**046354**
215	**055710**	**046358**
307	**055714**	**046361**
315	**055712**	**046363**
407	**055716**	**046431**
415	**055907**	**046433**
515	**055898**	**043620**
615	**067326**	**043624**

Seals

Size	TRIPLE-TECT Part No.	Drop-In TRIPLE-TECT Part No.	LER Part No.	Taconite Part No.
207	**043542**	**039538**	**042514**	**042380**
215	**043546**	**039530**	**042518**	**042382**
307	**043549**	**039859**	**042521**	**042383**
315	**043551**	**039861**	**042523**	**042384**
407	**043554**	**039864**	**042526**	**042385**
415	**043556**	**039866**	**042528**	**042387**
515	**043560**	**N/A**	**042533**	**042389**
615	**043564**	**N/A**	**042537**	**042392**

For additional details on DODGE Smart Bearings, see brochure DMR 2026-6

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SAF-XT and SAFS Spherical Roller Bearings

DODGE SAF-XT, and SAFS Spherical Roller Bearings have the capacity to carry heavy radial loads, thrust loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE Spherical Roller Bearings have been applied successfully when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-284-5700) for applications which exceed the recommendations of this catalog.

Select a bearing from the SAF-XT, and SAFS Spherical Roller Bearing Selection Chart having a radial load rating at the operating speed equal to or greater than the calculated Equivalent Radial Load for a desired L_{10} life. This simple method is all that is required for the majority of general applications and provides for occasional average shock loads.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

For L_{10} hours life other than those listed in the selection chart, multiply the Equivalent Radial Load by one of the following factors. For 20,000 L_{10} hours life use factor of .88; 40,000, 1.09; 60,000, 1.23; 80,000, 1.34. Then select a bearing from the bold face (30,000) L_{10} ratings only in the selection chart having a rating equal to or greater than this value.

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, add up to 50% (according to severity of conditions) to the Equivalent Radial Load to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that it meets the requirements. The maximum thrust load should not exceed SAF-XT adapter maximum allowable thrust load (Table 8 on page B11-61) nor the pillow block limits shown on page B11-62. The effectiveness of the shaft attachment to carry thrust load depends on proper tightening of the adapter and shaft deflections.

RPM	20-200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

* Compare thrust load to adapter maximum allowed thrust load. If this value is exceeded, auxiliary method of carrying thrust load is required.

The shaft tolerances recommended (page B11-9) are adequate for normal radial and radial/thrust load applications. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, consult DODGE Applications Engineering for recommendations.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks.

To determine the L_{10} hours life for loads and RPM's not listed, use the following equation:

$$\text{L10 Life, Hours} = \left(\frac{C}{P}\right)^{10/3} X \left(\frac{16667}{RPM}\right)$$

Where:

C = Dynamic Capacity (Table 14 on page B11-80), lbs.

P = Equivalent Radial Load, lbs.

SELECTION/DIMENSIONS

SAF-XT/SAFS Bearings

When the load on a two row roller bearing is solely a radial load with no thrust (axial) load, the load is shared equally by both rows of rollers and the equivalent radial load (P) is equal to the actual radial load. However, when a thrust load is applied, the loading on the two rows is shared unequally, depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 14 converts the actual applied loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

Equation 1

The equivalent radial load $P = XF_R + YF_A$

Where:

P = Equivalent radial load, lbs

F_R = Radial load, lbs.

F_A = Thrust (axial) load, lbs. (** See Note below)

e = Thrust load or radial load factor (Table 14)

X = Radial load factor (Table 14)

Y = Thrust load factor (Table 14)

To find X and Y, first calculate FA/FR and compare to e. Determine X and Y from Table 10: Light thrust FA/FR less than or equal to e or heavy thrust FA/FR greater than e.

Substitute all known values into the equivalent radial load equation. P (equivalent radial load) thus determined can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the expanded rating table on B11-62 and

**NOTE: Spherical bearings require a radial load at least equal to the thrust load for proper operation FA/FR = 1. If the thrust load exceeds this limit, consult DODGE Application Engineering.

L_{10} Life Adjustment - The calculated L_{10} life obtained from the above procedure is subject to life adjustment factors in accordance with ABMA standards. Consult DODGE Application Engineering for assistance.

SAF-XT/SAFS Bearings

Table 8: Radial and Thrust Factors

Shaft Size Inch	Basic Bearing Description	e	FA/FR ≤ e		FA/FR ≥e		★ Adapter. Max. Allow. Thrust Load FA (LBS.)	Dynamic Capacity (C) Lbs.	Static Capacity Co Lbs.	Max. Rpm	
			X	Y	X	Y				Grease	Oil ▲
1-15/16	22211K	0.23	1.00	2.90	0.67	4.30	927	31,500	32,500	4500	5600
2-3/16	22213K	0.24	1.00	2.80	0.67	4.20	1359	45,500	47,500	3800	4500
2-7/16, 2-1/2	22215K	0.22	1.00	3.10	0.67	4.60	1568	48,000	53,000	3400	4300
2-11/16, 2-3/4	22216K	0.22	1.00	3.10	0.67	4.60	1780	56,000	60,000	3200	4000
2-15/16, 3	22217K	0.22	1.00	3.00	0.67	4.50	2063	68,000	73,500	3000	3800
3-3/16	22218K	0.23	1.00	2.90	0.67	4.30	2429	78,000	85,000	2600	3400
3-7/16, 3-1/2	22220K	0.24	1.00	2.80	0.67	4.20	3102	96,500	106,000	2200	3000
3-15/16, 4	22222K	0.25	1.00	2.70	0.67	4.10	3931	122,000	134,000	2000	2800
4-3/16	22224K	0.25	1.00	2.70	0.67	4.00	4693	143,000	166,000	1900	2400
4-7/16, 4-1/2	22226K	0.26	1.00	2.60	0.67	3.90	5610	170,000	200,000	1800	2200
4-15/16, 5	22228K	0.25	1.00	2.70	0.67	4.00	6419	196,000	236,000	1700	2000
5-3/16	22230K	0.25	1.00	2.70	0.67	4.00	7383	228,000	275,000	1600	1900
5-7/16, 5-1/2	22232K	0.26	1.00	2.60	0.67	3.90	8630	260,000	315,000	1500	1800
5-15/16, 6	22234K	0.26	1.00	2.60	0.67	3.90	9858	300,000	355,000	1300	1700
6-7/16, 6-1/2	22236K	0.25	1.00	2.70	0.67	4.00	10437	305,000	375,000	1300	1600
6-15/16, 7	22238K	0.28	1.00	2.40	0.67	3.60	11786	270,000	415,000	1200	1300
7-1/2, 7-15/16, 8	22244K	0.29	1.00	2.30	0.67	3.50	16020	365,000	550,000	950	1000
8-7/16, 8-1/2, 8-15/16, 9	23048K	0.25	1.00	2.70	0.67	4.10	14887	260,000	490,000	800	1000
9-7/16, 9-1/2	23052K	0.26	1.00	2.60	0.67	3.90	18232	340,000	630,000	750	950
9-15/16, 10, 10-7/16, 10-1/2	23056K	0.25	1.00	2.70	0.67	4.10	20012	345,000	670,000	700	900

Comparing Spherical to Roller Bearing: The dynamic capacity C (spherical) and C90 (taper) are not to the same base. To compare basic dynamic capacities multiply C x .259 and compare to C90. To select and then compare, use the complete selection procedure for each bearing and then compare

▲ For shaft size 1-7/16 through 4-3/16 inclusive TRIPLE-TECT seals will perform like LER seals when operating above the grease speed limit

★ If thrust load exceeds adapter maximum allowable thrust load, auxiliary method of carrying thrust load required.

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SELECTION/DIMENSIONS

DODGE®

SAF-XT and SAFS Spherical Roller Bearings

Table 9: Selection Table

Shaft Size		L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute															
Adapter Mount (Inches)	Bearing Series		50	100	250	500	750	950	1,300	1,500	1,800	2,000	2,600	3,000	3,200	3,400	4500	5,600
1-15/16	22211	10,000	11,355	9,223	7,006	5,691	5,039	4,694	4,273	4,093	3,875	3,755	3,470	3,325	3,261	3,202	2,944	2,757
		30,000	**8,167**	**6,633**	**5,039**	**4,093**	**3,624**	**3,376**	**3,073**	**2,944**	**2,787**	**2,700**	**2,496**	**2,391**	**2,345**	**2,303**	**2,117**	**1,983**
		60,000	6,633	5,388	4,093	3,325	2,944	2,742	2,496	2,391	2,264	2,193	2,027	1,942	1,905	1,871	1,720	1,611
2 -3/16	22213	10,000	16,401	13,322	10,120	8,220	7,279	6,780	6,171	5,912	5,597	5,423	5,013	4,802	4,710	4,625	4,252	
		30,000	**11,796**	**9,581**	**7,279**	**5,912**	**5,235**	**4,877**	**4,439**	**4,252**	**4,026**	**3,901**	**3,605**	**3,454**	**3,388**	**3,327**	**3,058**	
		60,000	9,581	7,783	5,912	4,802	4,252	3,961	3,605	3,454	3,270	3,168	2,928	2,805	2,752	2,702	2,484	
2-7/16 2-1/2	22215	10,000	17,302	14,054	10,676	8,672	7,679	7,153	6,511	6,237	5,905	5,721	5,288	5,066	4,969	4,879		
		30,000	**12,444**	**10,108**	**7,679**	**6,237**	**5,523**	**5,145**	**4,683**	**4,486**	**4,247**	**4,115**	**3,803**	**3,644**	**3,574**	**3,509**		
		60,000	10,108	8,210	6,237	5,066	4,486	4,179	3,803	3,644	3,450	3,342	3,089	2,959	2,903	2,850		
2-11/16 2-3/4	22216	10,000	20,186	16,396	12,456	10,117	8,958	8,345	7,596	7,276	6,889	6,675	6,170	5,910	5,797	5,692		
		30,000	**14,518**	**11,793**	**8,958**	**7,276**	**6,443**	**6,002**	**5,463**	**5,233**	**4,955**	**4,801**	**4,437**	**4,251**	**4,169**	**4,094**		
		60,000	11,793	9,579	7,276	5,910	5,233	4,875	4,437	4,251	4,025	3,899	3,604	3,453	3,387	3,325		
2-15/16 3	22217	10,000	24,512	19,910	15,125	12,285	10,878	10,133	9,223	8,836	8,365	8,105	7,492	7,177	7,039	6,912		
		30,000	**17,629**	**14,320**	**10,878**	**8,836**	**7,824**	**7,288**	**6,634**	**6,355**	**6,017**	**5,829**	**5,388**	**5,162**	**5,063**	**4,971**		
		60,000	14,320	11,631	8,836	7,177	6,355	5,920	5,388	5,162	4,887	4,735	4,377	4,193	4,112	4,038		
3 -3/16	22218	10,000	28,116	22,838	17,349	14,092	12,478	11,623	10,580	10,135	9,596	9,297	8,593	8,232	8,074	7,929		
		30,000	**20,222**	**16,425**	**12,478**	**10,135**	**8,974**	**8,360**	**7,609**	**7,289**	**6,901**	**6,687**	**6,180**	**5,921**	**5,807**	**5,703**		
		60,000	16,425	13,342	10,135	8,232	7,289	6,790	6,180	5,921	5,606	5,431	5,020	4,809	4,717	4,632		
3-7/16 3-1/2	22220	10,000	34,785	28,254	21,464	17,434	15,437	14,380	13,089	12,539	11,871	11,502	10,631	10,185				
		30,000	**25,018**	**20,321**	**15,437**	**12,539**	**11,103**	**10,343**	**9,414**	**9,018**	**8,538**	**8,273**	**7,646**	**7,325**				
		60,000	20,321	16,506	12,539	10,185	9,018	8,401	7,646	7,325	6,935	6,719	6,211	5,950				
3-15/16 4	22222	10,000	43,977	35,720	27,135	22,041	19,516	18,180	16,548	15,852	15,008	14,541	13,441					
		30,000	**31,629**	**25,691**	**19,516**	**15,852**	**14,037**	**13,076**	**11,901**	**11,401**	**10,794**	**10,459**	**9,667**					
		60,000	25,691	20,868	15,852	12,876	11,401	10,621	9,667	9,261	8,768	8,495	7,852					
4 -3/16	22224	10,000	51,547	41,869	31,806	25,835	22,876	21,310	19,396	18,581	17,592	17,045						
		30,000	**37,074**	**30,113**	**22,876**	**18,581**	**16,453**	**15,326**	**13,950**	**13,364**	**12,652**	**12,259**						
		60,000	30,113	24,460	18,581	15,092	13,364	12,449	11,331	10,855	10,277	9,957						
4-7/16 4-1/2	22226	10,000	61,279	49,774	37,812	30,712	27,195	25,333	23,058	22,089	20,913	20,263						
		30,000	**44,074**	**35,799**	**27,195**	**22,089**	**19,559**	**18,220**	**16,584**	**15,887**	**15,041**	**14,573**						
		60,000	35,799	29,078	22,089	17,942	15,887	14,799	13,470	12,904	12,217	11,837						
4-15/16 5	22228	10,000	70,652	57,387	43,594	35,410	31,354	29,208	26,585	25,467	24,112	23,362						
		30,000	**50,814**	**41,274**	**31,354**	**25,467**	**22,551**	**21,007**	**19,120**	**18,317**	**17,342**	**16,802**						
		60,000	41,274	33,525	25,467	20,686	18,317	17,063	15,530	14,878	14,086	13,648						
5 -3/16	22230	10,000	82,187	66,756	50,712	41,191	36,473	33,976	30,925	29,625	28,049	27,176						
		30,000	**59,111**	**48,013**	**36,473**	**29,625**	**26,232**	**24,436**	**22,242**	**21,307**	**20,173**	**19,545**						
		60,000	48,013	38,998	29,625	24,063	21,307	19,849	18,066	17,307	16,386	15,876						
5 -7/16 5 -/2	22232	10,000	93,722	76,126	57,829	46,972	41,592	38,745	35,265	33,783	31,985							
		30,000	**67,407**	**54,751**	**41,592**	**33,783**	**29,914**	**27,866**	**25,364**	**24,298**	**23,004**							
		60,000	54,751	44,472	33,783	27,441	24,298	22,634	20,602	19,736	18,685							

Note: Dark Shaded Areas Require Circulating Oil

Light Shaded Areas Require Static Oil

SAF-XT and SAFS Spherical Roller Bearings

Table 9 (Continued): Selection Table

Shaft Size		L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Revolutions Per Minute															
Adapter Mount (Inches)	Bearing Series		50	100	250	500	750	950	1,300	1,500	1,800	2,000	2,600	3,000	3,200	3,400	4500	5,600
5 -15/16 6	22234	10,000	108,140	87,837	66,726	54,199	47,991	44,706	40,691	38,981								
		30,000	**77,777**	**63,175**	**47,991**	**38,981**	**34,516**	**32,153**	**29,266**	**28,036**								
		60,000	63,175	51,314	38,981	31,662	28,036	26,117	23,771	22,772								
6 -7/16 6 1/2	22236	10,000	109,943	89,301	67,838	55,102	48,791	45,451	41,369	39,631								
		30,000	**79,073**	**64,227**	**48,791**	**39,631**	**35,092**	**32,689**	**29,753**	**28,503**								
		60,000	64,227	52,169	39,631	32,190	28,503	26,552	24,167	23,152								
6 -15/16 7	22238	10,000	97,326	79,053	60,054	48,779	43,192	40,235	36,622									
		30,000	**69,999**	**56,857**	**43,192**	**35,083**	**31,065**	**28,938**	**26,339**									
		60,000	56,857	46,182	35,083	28,496	25,232	23,505	21,394									
7 -3/16	22240	10,000	108,140	87,837	66,726	54,199	47,991	44,706										
		30,000	**77,777**	**63,175**	**47,991**	**38,981**	**34,516**	**32,153**										
		60,000	63,175	51,314	38,981	31,662	28,036	26,117										
7 -1/2 7 -15/16 8	22244	10,000	131,571	106,869	81,184	65,942	58,389	54,392										
		30,000	**94,629**	**76,862**	**58,389**	**47,427**	**41,995**	**39,120**										
		60,000	76,862	62,432	47,427	38,522	34,110	31,775										
8- 7/16 8- 15/16 9	23048	10,000	93,722	76,126	57,829	46,972	41,592	38,745										
		30,000	**67,407**	**54,751**	**41,592**	**33,783**	**29,914**	**27,866**										
		60,000	54,751	44,472	33,783	27,441	24,298	22,634										
9- 7/16 9-1/2	23052	10,000	122,559	99,549	75,623	61,425	54,390	50,666										
		30,000	**88,147**	**71,598**	**54,390**	**44,178**	**39,118**	**36,440**										
		60,000	71,598	58,155	44,178	35,884	31,774	29,599										
9 -15/16 10 10 -7/16 10-1/2	23056	10,000	124,361	101,013	76,735	62,328	55,190											
		30,000	**89,444**	**72,651**	**55,190**	**44,828**	**39,694**											
		60,000	72,651	59,011	44,828	36,412	32,241											

Note: Dark Shaded Areas Require Circulating Oil
Light Shaded Areas Require Static Oil

SELECTION/DIMENSIONS

DODGE®

Pillow Block Housing Permissible Thrust Load*

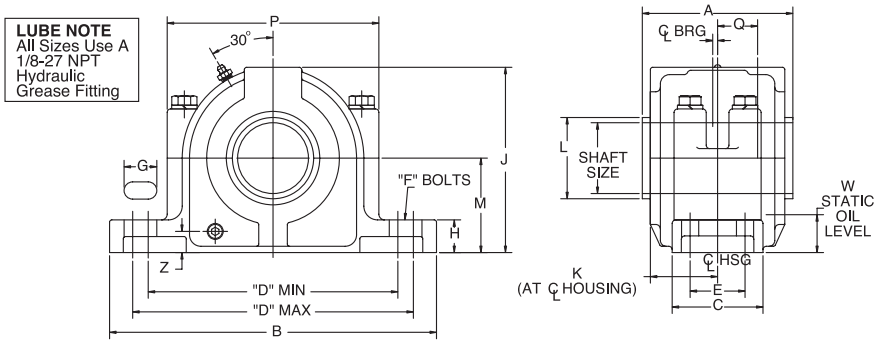
(lbs Maximum)

Shaft Size - Inches	HSG. No.	Bearing Type			
		SAF-XT		SAFS	
		2-Bolt	4-Bolt	2-Bolt	4-Bolt
1-3/16	507	-	-	2900	-
1-7/16	509	-	-	3100	-
1-11/16	510	-	-	2800	-
1-15/16	511	4700	-	4600	-
2-3/16	513	4800	-	4800	-
2-7/16, 2-1/2	515	4500	5600	4500	5600
2-11/16, 2-3/4	516	6900	9300	6900	9300
2-15/16, 3	517	6500	8700	6500	8700
3-3/16	518	6600	9000	6600	9000
3-7/16, 3-1/2	520	5500	13400	5500	13400
3-15/16, 4	522	-	13300	-	13300
4-3/16	524	-	12500	-	12500
4-7/16, 4-1/2	526	-	9700	-	9800
4-15/16, 5	528	-	14700	-	14700
5-3/16	530	-	14800	-	14800
5-7/16, 5-1/2	532	-	14000	-	14000
5-15/16, 6	534	-	14400	-	14300
6-7/16, 6-1/2	536	-	14200	-	14300
6-15/16, 7	538	-	22800	-	22800
7-1/2, 7-15/16, 8	544	-	32000	-	32000
8-7/16, 8-1/2, 8-15/16, 9	48	-	23000	-	23000
9-7/16, 9-1/2	52	-	32000	-	32000
9-15/16, 10, 10-7/16, 10-1/2	56	-	55000	-	59000

1. When utilizing heavy thrust loads on pillow block housings, the installation will require proper mounting procedures.
2. The pillow block base bolts must be of adequate strength (Grade 8) and properly tightened to the mounting structure.
3. The use of stop bars (shear strips) against pillow block mounting base is required.
4. Shaft shoulder, snap rings or thrust collars should be used to locate the inner ring on the shaft.
5. In all cases where thrust loads are large, the L_{10} Life of the bearing should be checked for proper selection and life requirements.

* Spherical bearings require a radial load at least equal to the thrust load for proper operation FA/FR ≤ 1. If the thrust load exceeds this limit, consult DODGE Application Engineering.

SAFS Steel Housing Pillow Blocks
(22200K/2300K ADAPTER MOUNT BEARING)



Shaft Size Inch ▲	Housing No.	Part Numbers				Approx. Wt. lbs.	A with Seals			B	C
		SAFS 2-Bolt		SAFS 4-Bolt			Std.	Optional			
		Complete Pillow Block ★	Housing Only	Complete Pillow Block ★	Housing Only		TRIPLE-TECT	LER/ER	Aux.		
2-7/16	515	**042400**	**042425**	**042410**	**042428**	24	5-5/32	4-43/64	7-7/16	11-1/4	3-1/8
2-1/2	515	**042401**	**042425**	**042411**	**042428**						
2-11/16	516	**042407†**	**044231**	**042408†**	**044232**	32	5-27/64	4-51/64	7-5/8	13	3-1/2
2-3/4	516	**042420†**	**044231**	**042421†**	**044232**						
2-15/16	517	**042402**	**042433**	**042412**	**042436**	35	5-39/64	4-63/64	7-7/8	13	3-1/2
3	517	**042403**	**042433**	**042413**	**042436**						
3-3/16	518	**042424†**	**044233**	**042430†**	**044234**	44	6-9/64	5-5/8	8	13-3/4	3-7/8
3-7/16	520	**042404**	**042440**	**042414**	**042443**	74	6-13/32	5-13/16	8-1/2	15-1/4	4-3/8
3-1/2	520	**042405**	**042440**	**042415**	**042443**						
3-15/16	522	-	-	**042416**	**042450**	97	6-55/64	6-3/8	8-41/64	16-1/2	4-3/4
4	522			**042417**	**042450**						
4-3/16	524	-	-	**042432†**	**044235**	120	8-1/32	7-7/16	8-57/64	16-1/2	4-3/4
4-7/16	526	-	-	**042568**	**042455**	160	8-15/32	7-7/8	9-29/64	18-3/8	5-1/8
4-1/2	526			**042575**	**042455**						
4-15/16	528	-	-	**042569**	**042460**	175	8-3/32	7-1/2	10-21/64	20-1/8	5-7/8
5	528			**042576**	**042460**						
5-3/16	530	-	-	**042439†**	**044236**	220	8-3/4	8-5/32	10-41/64	21-1/4	6-1/4
5-7/16	532	-	-	**042570**	**042465**	245	9-7/32	8-5/8	10-29/64	22	6-1/4
5-1/2	532			**042577**	**042465**						
5-15/16	534	-	-	**042571**	**042469**	310	9-58/64	9-1/8	11-7/8	24-3/4	6-3/4
6	534			**042578**	**042469**						
6-7/16	536	-	-	**042572**	**042468**	345	10-11/32	9-5/8	11-25/64	26-3/4	7-1/8
6-1/2	536			**042579**	**042468**						
6-15/16	538	-	-	**042573**	**042472**	400	10-27/32	10-1/8	11-5/32	28	7-1/2
7	538			**042580**	**042472**						
7-1/2	544	-	-	**042446†**	**044277**	640	12-3/32	11-5/8	13-13/64	32-3/4	8-3/4
7-15/16	544			**042581**	**042477**						
8	544			**042574**	**042477**						

★ Includes: (1) housing with Spacers, (1) Standard Spherical Bearing, (1) SNW Assembly (SNP above 8") and (2) TRIPLE-TECT Seals unless otherwise noted.

▲ Sizes not listed will be quoted on application
SAFS 2-Bolt Pillow Block (P2B-SAFS - - -)
SAFS 4-Bolt Pillow Block (P4B-SAFS - - -)

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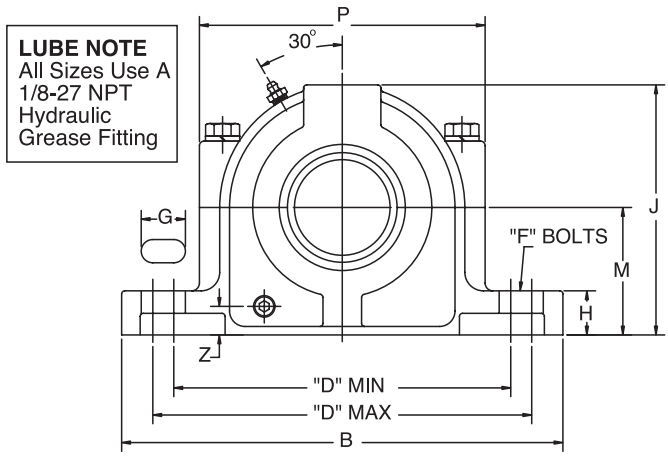
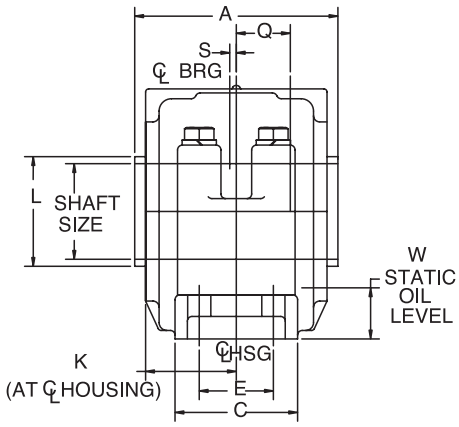
SELECTION/DIMENSIONS

DODGE®

SAFS Steel Housing Pillow Blocks

LUBE NOTE
All Sizes Use A 1/8-27 NPT Hydraulic Grease Fitting





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DODGE®

SAFS Steel Housing Pillow Blocks

Shaft Size Inch	Dimension D 2-Bolt Min.	Dimension D 2-Bolt Max.	Dimension D 4-Bolt Min.	Dimension D 4-Bolt Max.	E	Bolt Dia. F 2B	Bolt Dia. F 4B	G	H	J	K	L ■	M	P	Q ✦	S ★	W	Z
2-7/16 2-1/2	8-3/4	9-1/2	8-5/8	9-5/8	1-7/8	5/8	1/2	1-1/8	1-1/4	6-7/16	2-5/16	2-51/64	3-1/4	7-1/16	1-11/32	1/8	1-5/32	5/8
2-11/16 2-3/4	10-1/8	10-5/8	9-7/8	10-7/8	2-1/8	3/4	5/8	1-1/4	1-1/2	6-7/8	2-3/8	3-11/64	3-1/2	8	1-15/32	3/16	1-1/4	5/8
2-15/16 3	10-1/4	10-3/4	10	11	2-1/8	3/4	5/8	1-1/8, 2B 1-1/4, 4B	1-1/2	7-3/8	2-15/32	3-27/64	3-3/4	8-1/4	1-9/16	3/16	1-3/8	3/4
3-3/16	10-3/4	11-1/4	10-1/2	11-1/2	2-1/8	3/4	5/8	1-1/4	1-5/8	7-3/4	2-3/4	3-11/16	4	8-1/4	1-45/64	3/16	1-15/32	11/16
3-7/16 3-1/2	11-7/8	12-5/8	11-3/4	12-3/4	2-3/8	7/8	3/4	1-3/8	1-3/4	8-3/4	2-29/32	3-53/64	4-1/2	9-13/16	1-57/64	3/16	1-41/64	15/16
3-15/16 4	-	-	12-7/8	14-1/8	2-3/4	-	3/4	1-1/2	2	9-5/8	3-1/8	4-21/64	4-15/16	10-5/8	2-5/64	3/16	1-51/64	1-1/8
4-3/16	-	-	13-1/4	14-1/2	2-3/4	-	3/4	1-1/2	1-3/4	10-1/4	3-21/32	4-19/32	5-1/4	11-1/2	2-7/32	3/16	1-27/32	1
4-7/16 4-1/2	-	-	14-1/2	16	3-1/4	-	7/8	1-3/4	2-1/2	11-9/16	3-7/8	4-15/16	6	12-13/16	2-13/32	3/16	2-11/32	1-9/32
4-15/16 5	-	-	15-5/8	17-3/8	3-3/8	-	1	2	2-1/2	12	3-11/16	5-23/64	6	13-9/16	2-17/32	3/16	2-1/32	1-3/16
5-3/16	-	-	16-3/4	18-1/2	3-3/4	-	1	2	2-1/2	12-13/16	4-1/16	5-49/64	6-5/16	14-1/2	2-11/16	3/16	2-1/32	1-3/16
5-7/16 5-1/2	-	-	17-3/8	19-1/8	3-3/4	-	1	2	2-3/4	13-11/16	4-1/4	5-7/8	6-11/16	15-1/8	2-57/64	3/16	2-3/32	1-7/32
5-15/16 6	-	-	19-3/8	21-5/8	4-1/4	-	1	2	2-7/8	14-9/16	4-5/8	6-7/16	7-1/16	16-13/16	3-1/8	3/16	2-3/16	1-36/64
6-7/16 6-1/2	-	-	21-3/8	23-1/8	4-5/8	-	1	2	3	15-1/4	4-13/16	6-51/64	7-1/2	17-3/16	3-5/64	3/16	2-27/64	1-3/32
6-15/16 7	-	-	22-1/8	23-7/8	4-1/2	-	1-1/4	2-1/4	3-1/8	16-1/8	5-1/8	7-3/8	7-7/8	17-7/8	3-15/64	3/16	2-17/32	1-5/16
7-1/2 7-15/16 8	-	-	25-1/8	27-7/8	5-1/4	-	1-1/2	3	3-7/8	19-1/4	5-3/4	7-15/16 8-21/64	9-1/2	20-3/4	3-41/64	3/16	3-1/4	1-7/8

✦ Distance shaft should extend beyond housing centerline of pillow block is closed end style.

★ Non-expansion bearing offset from centerline. For Expansion Bearing S = 0.

■ Based on TRIPLE-TECT seals.

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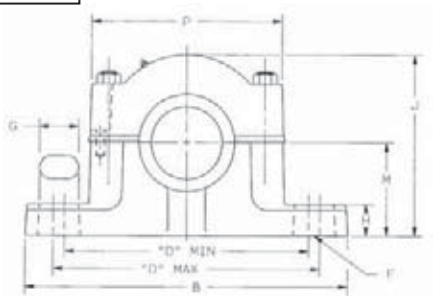
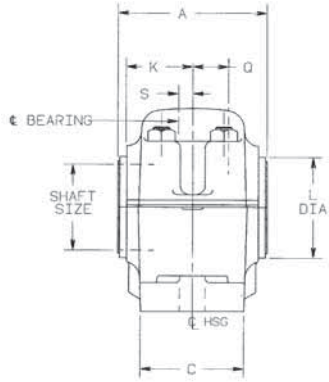
SELECTION/DIMENSIONS

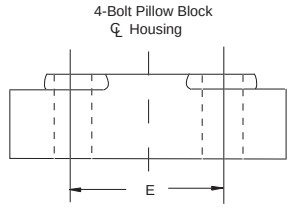
DODGE®

SAF-XT Pillow Blocks - 2-Bolt Base (22200K Adapter Mount Bearings)

LUBE NOTE:
All Sizes Use A 1/8-27 NPT Hydraulic Grease Fitting







(22200K Adapter Mount Bearing)

Shaft Size ▲ Inch	Complete Pillow Block Desig SAF-XT	Part No. ★	Wt.	A			B	C	D		Bolt Dia. F	G	H	J	K	L ♥	M	P	Q ✦	S CL of Housing to CL of Bearing	
				Std. TRIPLE-TECT	Optional LER	Optional AUX.			Min.	Max.										Exp. Block	Non-Exp. Block
1-15/16	22511	**042001**	17.3	4-9/64	3-5/8	5-35/64	9-5/8	2-3/4	7-1/2	7-3/4	5/8	7/8	15/16	5-1/4	1-27/32	2-19/64	2-3/4	5-5/8	31/32	3/16	19/64
2-3/16	22513	**042002**	23.8	4-17/32	4	5-13/16	11	3-1/8	8-1/4	9-3/8	5/8	1-5/16	1	5-15/16	2-1/32	2-35/64	3	6-13/32	1-1/8	1/4	25/64
2-7/16	22515	**042003**	29.7	4-29/32	4-27/64	7-7/16	11-1/4	3-1/8	8-3/4	9-1/2	5/8	1-1/8	1-1/4	6-7/16	2-3/16	2-51/64	3-1/4	7	1-13/64	5/32	17/64
2-1/2		**042004**	29.6																		
2-11/16	22516	**042005**	36.3	5-15/64	4-39/64	7-5/8	13	3-1/2	10-1/8	10-5/8	3/4	1-1/8	1-1/2	6-7/8	2-9/32	3-11/64	3-1/2	7-15/16	1-9/32	3/16	3/8
2-3/4		**042006**	36.1																		
2-15/16	22517	**042007**	42.3	5-31/64	4-55/64	7-7/8	13	3-1/2	10-1/4	10-3/4	3/4	1-1/8	1-1/2	7-3/8	2-13/32	3-27/64	3-3/4	7-15/16	1-3/8	3/16	3/8
3		**042008**	42.1																		
3-3/16	22518	**042009**	52.5	5-61/64	5-7/16	8	13-3/4	3-7/8	10-3/4	11-1/4	3/4	1-1/8	1-5/8	7-3/4	2-21/32	3-11/16	4	8-7/16	1-13/32	19/64	31/64
3-7/16	22520	**042010**	69.5	6-7/32	5-5/8	8-1/2	15-1/4	4-3/8	11-7/8	12-5/8	7/8	1-3/8	1-3/4	8-3/4	2-3/4	3-53/64	4-1/2	9-7/16	1-17/32	3/8	9/16
3-1/2		**042011**	69.2																		

▲ Sizes not listed will be quoted on application.

★ Furnished unless otherwise specified. Includes (1) Housing with Spacer, (1) Standard Spherical Bearing, (1) SNW Assembly and (2) TRIPLE-TECT Seals.

✦ Distance shaft should extend beyond housing centerline (C_L) if pillow block is closed end style.

♥ Dimensions shown with TRIPLE-TECT seals installed.

NOTE: SAF-XT Pillow Blocks use UNIFIED adaptors, seals and bearings. All UNIFIED 500 Series accessories are available for use with SAF-XT except Drop-In TRIPLE-TECT and SPLIT-SPHER which are UNIFIED exclusives.

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SAF-XT Pillow Blocks - 4-Bolt Base (22200K/23000K Adapter Mount Bearings)

Shaft Size ▲ Inch	Complete Pillow Block Desig SAF-XT	Part No. ✦ P4B-SFXT	Wt.	A			B	C	D		E	Bolt Dia. F	G	H	J	K	L ♥	M	P	Q ✦	S C_L of Housing to C_L of Bearing	
				Std.	Optional				Min.	Max.											Exp	Non-Exp
				TRIPLE-TECT	LER	AUX.																
2-7/16	22515	**042015**	29.7	4-29/32	4-27/64	7-7/16	11-1/4	3-1/8	8-5/8	9-5/8	1-7/8	1/2	1-1/8	1-1/4	6-7/16	2-3/16	2-51/64	3-1/4	7	1-13/64	5/32	17/64
2-1/2		**042016**	29.6																			
2-11/16	22516	**042017**	36.3	5-15/64	4-39/64	7-5/8	13	3-1/2	9-7/8	10-7/8	2-1/8	5/8	1-1/4	1-1/2	6-7/8	2-9/32	3-11/64	3-1/2	7-15/16	1-9/32	3/16	3/8
2-3/4		**042030**	36.1																			
2-15/16	22517	**042019**	42.3	5-31/64	4-55/64	7-7/8	13	3-1/2	10	11	2-1/8	5/8	1-1/4	1-1/2	7-3/8	2-13/32	3-27/64	3-3/4	7-15/16	1-3/8	3/16	3/8
3		**042020**	42.1																			
3-3/16	22518	**042021**	52.5	5-61/64	5-7/16	8	13-3/4	3-7/8	10-1/2	11-1/2	2-1/8	5/8	1-1/4	1-5/8	7-3/4	2-21/32	3-11/16	4	8-7/16	1-13/32	19/32	31/64
3-7/16	22520	**042022**	69.5	6-7/32	5-5/8	8-1/2	15-1/4	4-3/8	11-3/4	12-3/4	2-3/8	3/4	1-3/8	1-3/4	8-3/4	2-3/4	3-53/64	4-1/2	9-7/16	1-17/32	3/8	9/16
3-1/2		**042023**	69.2																			
3-15/16	22522	**042024**	92.9	6-51/64	6-5/16	8-41/64	16-1/2	4-3/4	12-7/8	14-1/8	2-3/4	3/4	1-1/2	2	9-5/8	3-1/32	4-21/64	4-15/16	10-9/16	1-47/64	3/8	35/64
4		**042025**	92.6																			
4-3/16	22524	**042270**	101.8	6-31/32	6-3/8	8-57/64	16-1/2	4-3/4	13-1/4	14-1/2	2-3/4	3/4	1-1/2	1-3/4	10-1/4	3-1/16	4-19/32	5-1/4	10-13/16	1-13/16	27/64	39/64
4-7/16	22526	**042271**	148	7-13/32	6-13/16	9-29/64	18-3/8	5-1/8	14-1/2	16	3-1/4	7/8	1-3/4	2-1/2	11-11/16	3-9/32	4-15/16	6	11-5/8	1-61/64	29/64	41/64
4-1/2		**042272**	147.7																			
4-15/16	22528	**042273**	173.9	7-21/32	7-1/16	10-21/64	20-1/8	5-7/8	15-5/8	17-3/8	3-3/8	1	2	2-1/2	12-1/8	3-13/32	5-23/64	6	12-7/16	2-3/64	1/2	11/16
5		**042274**	173.6																			
5-3/16	22530	**042282**	215	7-31/32	7-3/8	10-41/64	21-1/4	6-1/4	16-3/4	18-1/2	3-3/4	1	2	2-1/2	12-13/16	3-9/16	5-49/64	6-5/16	13-9/16	2-9/64	9/16	3/4
5-7/16	22532	**042283**	245	8-9/32	7-11/16	10-29/64	22	6-1/4	17-3/8	19-1/8	3-3/4	1	2	2-3/4	13-11/16	3-23/32	5-7/8	6-11/16	14-3/16	2-21/64	37/64	49/64
5-1/2		**042284**	244																			
5-15/16	22534	**042303**	300	8-21/32	7-15/16	10-45/64	24-3/4	6-3/4	19-5/8	21-3/8	4-1/4	1	2	2-7/8	14-9/16	3-27/32	6-7/16	7-1/16	16-5/16	2-15/32	37/64	25/32
6		**042304**	299																			
6-7/16	22536	**042305**	372	8-27/32	8-1/8	11-25/64	26-3/4	7-1/8	21-3/8	23-1/8	4-5/8	1	2	3	15-1/4	3-15/16	6-51/64	7-1/2	17-7/8	2-17/32	35/64	3/4
6-1/2		**042306**	371																			
6-15/16	22538	**042307**	407	9-11/32	8-5/8	11-15/32	28	7-1/2	22-1/8	23-7/8	4-1/2	1-1/4	2-1/4	3-1/8	16	4-3/16	7-3/8	7-7/8	18-5/16	2-39/64	5/8	13/16
7		**042308**	406																			
7-1/2	22544	**042309**	626	10-21/32	9-15/16	13-13/64	32-3/4	8-3/4	25-1/8	27-7/8	5-1/4	1-1/2	3	3-7/8	19-1/4	4-27/32	7-15/16	9-1/2	20-5/8	2-59/64	23/32	29/32
7-15/16	22544	**042370**	625	10-21/32	9-15/16	13-13/64	32-3/4	8-3/4			5-1/4	1-1/2	3	3-7/8	19-1/4	4-27/32	8-21/64	9-1/2	20-5/8	2-59/64	23/32	29/32
8		**042371**	624																			
8-7/16	23048	**042372†**	408	10-1/2	9-1/16	12-37/64	28-3/4	8	22-1/2	25	5	1-1/4	2-3/4	3-1/4	17-1/16	4-13/32	9-21/64	8-1/4	18-5/16	2-15/16	25/32	25/32
8-1/2		**042373**	407																			
8-15/16		**042374**	406																			
9		**042375**	405																			
9-7/16	23052	**042377**	624	10-23/64	9-15/16	13-29/64	32-3/4	8-3/4	25-1/8	27-7/8	5-1/4	1-1/2	3	3-7/8	19-1/4	4-27/32	9-63/64	9-1/2	20-5/8	3-7/32	45/64	45/64
9-1/2		**422556**																				
9-15/16	2356	**042378** ●	707	13-49/64	12-1/2	15-45/64	32	11-1/4	25-3/4	27-3/4	7-1/4	1-3/4	2-7/8	4	19-7/8	6-5/32	10-3/8	9-1/2	20-3/4	3-13/16	7/8	7/8
10		**042376**																				
10-7/16		**042379** ●																				
10-1/2		**422572** ●																				

▲ Sizes not listed will be quoted on application.

★ Includes (1) Housing with Spacer, (1) Standard Spherical Bearing, (1) SNW Assembly (SNP above 8,) and (2) TRIPLE-TECT Seals unless otherwise noted

✦ Distance shaft should extend beyond housing centerline (C_L) if pillow block is closed end style.

♥ Dimensions shown with TRIPLE-TECT seals installed.

● Made-To-Order - Consult DODGE for delivery

† Assembled to order. Consult DODGE for delivery

NOTE: SAF-XT Pillow Blocks use USAF 500 adaptors, seals, and bearings. Part numbers for these individual components can be found on Pages B11-30 thru B11-43. All USAF 500 Series accessories are available for use with SAF-XT except Drop-In TRIPLE-TECT seals and SPLIT-SPHER components which are UNIFIED exclusives

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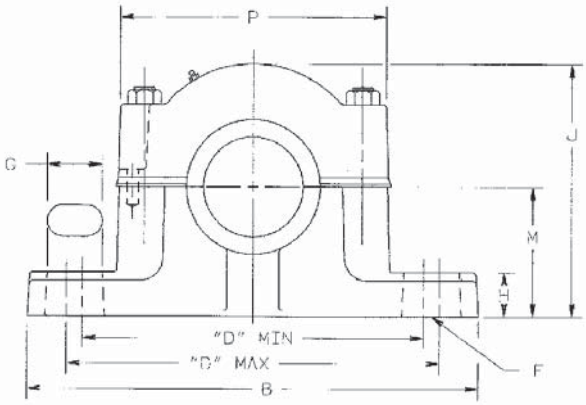
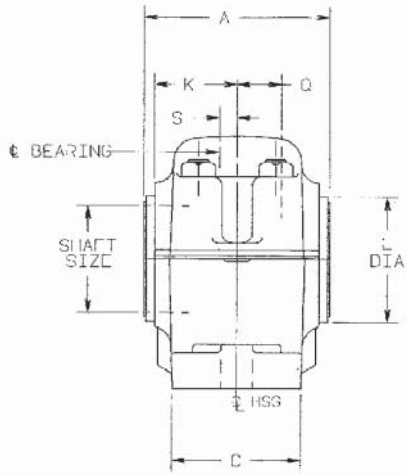
SELECTION/DIMENSIONS

SAF-XT Pillow Blocks Housing

LUBE NOTE:
All Sizes Use
A 1/8-27 NPT
Hydraulic
Grease Fitting





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DODGE®

SAF-XT Pillow Blocks Housing

S-1 Size Inch (mm)	Shaft Housing	2-Bolt		4-Bolt	
		Part Number	Approx. Wt. (lbs.)	Part Number	Approx. Wt. lbs
1-15/16	511	**042100**	13.75	-	-
2-3/16 (55,60)	513 513M	**042103** **046323**	18.00 18.00	-	-
2-7/16, 2-1/2 (65)	515 515M	**042106** **046324**	22.75 22.00	**042109** **046325**	22.00 22.00
2-11/16 2-3/4	516	**042111**	30.5	**042114**	30
2-15/16 3	517	**042116**	31.5	**042119**	32
3-3/16	518	**042121**	38	**042124**	40
3-7/16 3-1/2	520	**042126**	51.5	**042129**	52
3-15/16 4	522	-	-	**042131**	68
4-3/16 (110)	524 524M	-	-	**042134** **046326**	70.007
4-7/16 4-1/2	526	-	-	**042137**	108
4-15/16 5	528	-	-	**042140**	143
5-3/16	530	-	-	**042143**	120
5-7/16 5-1/2	532	-	-	**042146**	168
5-15/16 6	534	-	-	**042149**	220
6-7/16 6-1/2	536	-	-	**042152**	266
6-15/16 7	538	-	-	**042155**	295
7-1/2	544S	-	-	**042167**	443
7-15/16 8	544	-	-	**042158**	443
8-7/16, 8-1/2 8-15/16, 9	48	-	-	**042161**	308
9-7/16 9-1/2	52	-	-	**422555**	440
9-15/16 10	56	-	-	**042164**	549
10-7/16 10-1/2	056L	-	-	**422571**	620

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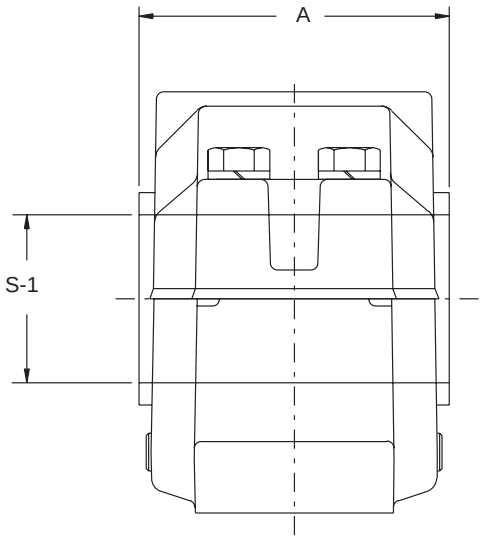
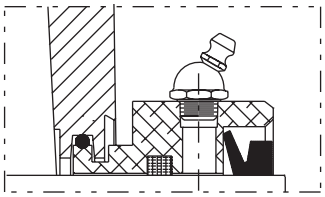
SELECTION/DIMENSIONS

DODGE®

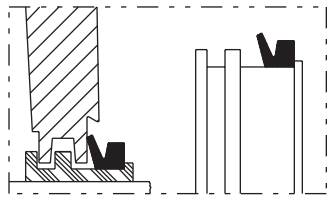
SAF-XT & SAFS Pillow Block Seals

LENGTH THRU BORE W/SEALS

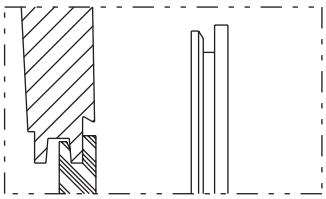




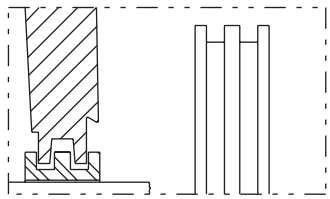
AUXILIARY TACONITE Seal
For dusty environments and low to moderate speeds



TRIPLE-TECT Seal
General purpose seal for wet or dirty environments



END COVER Seal
Allows use of open shaft housing as closed-end



LER SEAL
High speed seal for relatively clean environments

SAF-XT & SAFS Pillow Block Seals

500 Seals - Inch						
S-1 Shaft Size (Inch)	Housing	Seal Group	Part Numbers			
			TRIPLE-TECT (TT)	# Metal Labyrinth (LER)	Auxiliary Taconite (AUX)	End Cover
1-15/16	511	12	043540	042512	041687	040702
2-3/16	513	14	043541	042513	041688	040703
2-7/16	515	20	043542	042514	042380	040704
2-1/2			043543	042515	040890	040704
2-11/16	516	24	043544	042516	042381	040705
2-3/4			043545	042517	040891	040705
2-15/16	517	28	043546	042518	042382	040706
3			043547	042519	040918	040706
3-3/16	518	34	043548	042520	040892	040707
3-7/16	520	46	043549	042521	042383	040708
3-1/2			043550	042522	040919	040708
3-15/16	522	50	043551	042523	042384	040709
4			043552	042524	040893	040709
4-3/16	524	52	043553	042525	044360	040710
4-7/16	526	54	043554	042526	042385	040711
4-1/2			043555	042527	042386	040711
4-15/16	528	56	043556	042528	042387	040712
5			043557	042529	040894	040712
5-3/16	530	58	043558	042530	-	040713
5-7/16	532	60	043559	042531	042388	040714
5-1/2			043574	042532	040895	040714
5-15/16	534	64	043560	042533	042389	040681
6			043561	042534	041646	040681
6-7/16	536	68	043562	042535	042390	040682
6-1/2			043563	042536	042391	040682
6-15/16	538	72	043564	042537	042392	040683
7			043565	042538	043109	040683
7-3/16	540	74	046421	043386	040690	040691
7-1/2	544S	76	043567	042539	040896	040684
7-15/16	544	78	043566	042540	042393 ❖	040685
8			043568	042541*	042394 ❖	040685
8-7/16	048	90	043569	042542*	040897 ❖	042368
8-1/2			043570	042543*	040898 ❖	042368
8-15/16			043571	042544*	040899 ❖	042368
9			043572	042545*	040995 ❖	042368
9-7/16	052	84	043538	042510*	040900 ❖	422606
9-1/2			422545	042594*	040901 ❖	422606
9-15/16	056	92	043575	042511*	-	042369
10			043573	041082*	042395 ❖	042369
10-7/16	056L	94	047940	042036*	-	042397
10-1/2			047941	422573*	042396 ❖	042397

❖ Includes collar

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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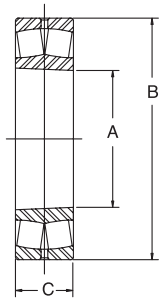
SELECTION/DIMENSIONS

DODGE®

SAF-XT & SAFS 22200K and 23000K Spherical Roller Bearings



S-1 Shaft Size (Inch)	Housing	Bearing No.	Part No.	Approx. Wt. (lbs)	A Inch (mm)	B Inch (mm)	C Inch (mm)
1-15/16	511	22211K	**422123**	1.8	2.1654 (55)	3.9370 (100)	.9843 (25)
2-3/16	513	22213K	**422124**	3.2	2.5591 (65)	4.7244 (120)	1.2205 (31)
2-7/16 2-1/2	515	22215K	**422001**	3.6	2.9528 (75)	5.1181 (130)	1.2205 (31)
2-11/16 2-3/4	516	22216K	**422003**	4.4	3.1496 (80)	5.5188 (140)	1.2992 (33)
2-15/16 3	517	22217K	**422005**	5.5	3.3465 (85)	5.9055 (150)	1.4173 (36)
3-3/16	518	22218K	**422007**	7.0	3.5433 (90)	6.2992 (160)	1.5748 (40)
3-7/16 3-1/2	520	22220K	**422009**	10.4	3.9370 (100)	7.0866 (180)	1.8110 (46)
3-15/16 4	522	22222K	**422011**	14.9	4.3307 (110)	7.8740 (200)	2.0866 (53)
4-3/16	524	22224K	**422013**	18.7	4.7244 (120)	8.4646 (215)	2.2865 (58)
4-7/16 4-1/2	526	22226K	**422015**	23.4	5.1181 (130)	9.0551 (230)	2.5197 (64)
4-15/16 5	528	22228K	**422017**	29.5	5.5118 (140)	9.8425 (250)	2.6772 (68)
5-3/16	530	22230K	**422019**	37.5	5.9055 (150)	10.6299 (270)	2.8740 (73)
5-7/16 5-1/2	532	22232K	**422021**	48.1	6.2992 (160)	11.4173 (290)	3.1496 (80)
5-15/16 6	534	22234K	**422023**	58.0	6.6929 (170)	12.2047 (310)	3.3858 (86)
6-7/16 6-1/2	536	22236K	**422025**	60.8	7.0866 (180)	12.5984 (320)	3.3858 (86)
6-15/16 7	538	22238K	**422027**	78.9	7.4803 (190)	13.3858 (340)	3.6220 (92)
7-3/16	540	22240K	**422064**	94.1	7.8740 (200)	14.1732 (360)	3.8583 (98)
7-1/2	544S	22244K	**422029**	129.0	8.6614 (220)	14.7480 (400)	4.2520 (108)
7-15/16 8	544						
8-7/16 8-1/2 8-15/16 9	048	23048K	**422031**	73.4	9.4488 (240)	14.1732 (360)	3.6220 (92)
9-7/16 9-1/2	052	23052K	**422543**	106.0	10.2362 (260)	15.7480 (400)	4.0945 (104)
9-15/16 10	056	23056K	**422030**	114.0	11.0236 (280)	16.5354 (430)	4.1732 (106)
10-7/16 10-1/2	056L						

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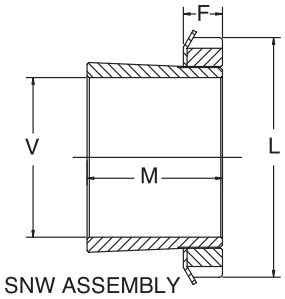
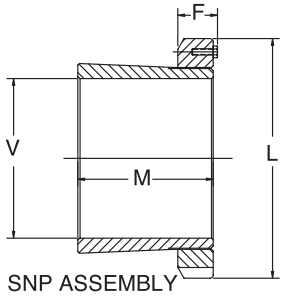
SAF-XT & SAFS Adaptor Assembly (SNW)



SNW ASSEMBLY



SNP ASSEMBLY

V Shaft Dia. (In)	Housing	SNW/SNP Number	Part Number	Approx Wt. (Lbs)	L (in.)	F Max (in.)	M (in.)
1-15/16	511	SNW11-115	**043600**	0.8	2.97	.58	1.85
2-3/16	513	SNW13-203	**043601**	1.6	3.38	.64	2.10
2-7/16 2-1/2	515	SNW15-207 SMW15-208	**043602** **043603**	2.6 2.3	3.88	.69	2.29
2-11/16 2-3/4	516	SNW16-211 SNW16-212	**043604** **043605**	2.6 2.6	4.16	.69	2.37
2-15/16 3	517	SNW17-215 SNW17-300	**043606** **043607**	3.0 2.5	4.41	.72	2.47
3-3/16	518	SNW18-303	**043608**	3.1	4.66	.80	2.63
3-7/16 3-1/2	520	SNW20-307 SNW20-308	**043609** **043610**	4.6 4.4	5.19	.83	2.87
3-15/16 4	522	SNW22-315 SNW22-400	**043611** **043612**	5.6 5.0	5.72	.86	3.19
4-3/16	524	SNW24-403	**043613**	6.5	6.12	.92	3.47
4-7/16 4-1/2	526	SNW26-407 SNW26-408	**043614** **043615**	9.2 8.6	6.75	.95	3.76
4-15/16 5	528	SNW28-415 SNW28-500	**043616** **043617**	10.0 9.0	7.09	1.02	3.97
5-3/16	530	SNW30-503	**043618**	12.7	7.69	1.08	4.22
5-7/16 5-1/2	532	SNW32-507 SNW32-508	**043619** **043634**	15.9 15.0	8.06	1.14	4.57
5-15/16 6	534	SNW34-515 SNW34-600	**043620** **043621**	17.6 17.0	8.66	1.23	4.83
6-7/16 6-1/2	536	SNW36-607 SNW36-608	**043622** **043623**	17.0 18.0	9.06	1.27	5.02
6-15/16 7	538	SNW38-615 SNW38-700	**043624** **043625**	18.0 17.0	9.47	1.30	5.26
7-3/16	540	SNW40-703	**046545**	30.7	9.84	1.36	5.48
7-1/2	544S	SNW44-708	**043627**	30.2	11.00	1.42	5.90
7-15/16 8	544	SNW44-715 SNW44-800	**043626** **043628**	36.0 34.7			
8-7/16 8-1/2 8-15/16 9	048	SNP048-807 SNP048-808 SNP048-815 SNP048-900	**043629** **043630** **043631** **043632**	38.0 30.0 28.0 22.0	11.44	1.73	5.44
9-7/16 9-1/2	052	SNP052-907 SNP052-908	**043585** **422538**	41.1 40.0	12.19	1.80	6.02
9-15/16 10	056	SNP056-915 SNP056-1000	**043586** **043633**	43.7 42.0	13.00	1.89	6.19
10-7/16 10-1/2	056L	SNP056-1007 SNP056-1008	**043580** **422567**	30.0 28.0			

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SELECTION/DIMENSIONS

Pillow Block SPLIT-SPHER™ Roller Bearings
(USAF 500 SERIES)

DODGE SPLIT-SPHER Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE spherical roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-284-5700) for applications which exceed the recommendations of this catalog.

L_{10} Hours Life - The life which may be expected from at least 90% of a given group of bearings operating under identical conditions.

$$L_{10}\text{ Life, Hours} = \left(\frac{C}{P}\right)^{10/3} X \left(\frac{16667}{RPM}\right)$$

Where:

C = Dynamic Capacity (Table 11 on page B11-78), lbs.
P = Equivalent Radial Load, lbs.

(See Equation 1 on page B11-78 for definition of P.)

GENERAL

Heavy Service - For heavy shock loads, frequent shock loads, or severe vibrations, increase the Equivalent Radial Load up to 50% (according to severity of conditions) to obtain a Modified Equivalent Radial Load. Consult DODGE Application Engineering for additional selection assistance.

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L_{10} life. Where substantial radial load is also present, it is advisable to calculate actual L_{10} life to assure that the bearing meets the requirements.

RPM	20-200	201 - 2000	Over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see B11-29 for maximum values.** Spherical bearings require a radial load at least equal to the thrust load for proper operation. It is advisable to calculate actual L10 life to assure adequate conditions (normally at least 30,000 hours life). Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks

SHAFT TOLERANCES

Shaft Sizes, Inches	Tolerance, Inches
Up to 1-1/2”	+.000 - .002”
1-9/16 to 2-1/2”	+.000 - .003”
2-5/8 to 4”	+.000 - .004”
4-7/16 to 6”	+.000 - .005”

* Use the smaller of this value or the maximum allowable thrust load listed in Table 10.

NOTE: Polyamide cages may limit bearing operating temperature.

Selecting Bearings - Supporting Radial Loads Only

1. Define the desired L_{10} Life in Hours.
2. Establish bearing radial load, F_R.
3. Establish RPM.
4. Calculate the equivalent radial load.
   ($P = F_R \times 1.1$# = Equivalent radial load)
   (The DODGE program BEST ✦ can be used to find application loads.)

Using the easy selection Table 12 on page B11-79, under the RPM column find the equivalent load that equals or is slightly higher than the application radial load multiplied by a 1.1 factor for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application. If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example:
1. L_{10} Life = 30,000 Hours
2. Radial load = 4,000 lbs.
3. RPM = 950

At the intersection of the 950 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4445 lbs. exceeds the 4400 lbs. (4000 x 1.1) application equivalent radial load for shaft size 2-7/16" - 2-1/2". A SPLIT-SPHER bearing with shaft size of 2-7/16" - 2-1/2" may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L10 LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity **C** is identified in terms of L_{10}, RPM and P.

$$C = \left(\frac{L_{10} \times RPM}{16667} \right) \times P$$

($P = F_R \times 1.1$• = Equivalent Radial Load)

Since the L_{10}, RPM, and F_R are known, solve for C. Select from the dynamic capacity column on Table 11 on page B11-78 the C value equal to or just greater than the C value just calculated. The bore size on the far left represents the minimum shaft size selection. Check that the application RPM does not exceed the MAX. RPM on Table 10. When selecting an L_{10} life of less than 30,000 hours, particular attention must be given to shaft deflection and proper lubricant selection.

- The application factor, 1.1, compensates for the gaps and relief area on either side of the gaps. At no time should F_R or P exceed 20% of the Dynamic Capacity C.

✦ The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. This interactive program is available at **www.ptwizard.com** under the Product Section area.

Selecting Bearings Supporting Combination Radial And Thrust Loads

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 11 on page B11-78 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

Equation 1

The equivalent radial load $P = (XF_R + YF_A) \times 1.1$ •

Where:

P = Equivalent radial load, lbs

F_R = Radial load, lbs

F_A = Thrust (axial) load, lbs (** See Note below)

e = Thrust load or radial load factor (Table 11)

X = Radial load factor (Table 11)

Y = Thrust load factor (Table 11)

To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 10 depending on whether F_A/F_R is equal to or less than e, or F_A/F_R is greater than e. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10}, or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection chart.

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. They will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-281-2195 or FAX 864-281-2317).

AXIAL EXPANSION CAPABILITY

The axial expansion capability of SPLIT-SPHER Pillow Blocks is the same as the UNIFIED 500 pillow blocks. See Table 7 on page B11-29.

- The application factor, 1.1, compensates for the gaps and relief area on either side of the gaps. At no time should F_R or P exceed 20% of the Dynamic Capacity **C**

Table 11: SPLIT-SPHER Bearings Radial & Thrust Factor

Shaft Size Inches	Replaces Bearing Series	e	FA/FR ≤ e		FA/FR > e		Max. Allow. Thrust Load FA Lbs.	Dynamic* Capacity (C) Pounds	Max. RPM (Grease)
			X	Y	X	Y			
2-3/16	22213K	0.24	1	2.80	0.67	4.20	1200	35,000	2600
2-7/16	22215K	0.24	1	2.80	0.67	4.20	1200	41,500	2350
2-15/16 - 3	22217K	0.22	1	3.10	0.67	4.60	1700	45,000	2200
3-3/16	22218K	0.22	1	2.90	0.67	4.60	1700	52,000	2100
3-7/16	22220K	0.23	1	2.80	0.67	4.30	1700	71,000	1700
3-15/16 - 4	22222K	0.24	1	2.80	0.67	4.20	3100	90,000	1450
4-7/16	22226K	0.25	1	2.70	0.67	4.00	3100	132,000	1200
4-15/16	22228K	0.26	1	2.60	0.67	3.90	3100	153,000	1100
5-7/16	22232K	0.25	1	2.70	0.67	4.00	5000	204,000	1000
5-15/16 - 6	22234K	0.26	1	2.60	0.67	3.90	5000	232,000	950

* At no time load on a SPLIT-SPHER bearing should exceed 20% of the Dynamic Capacity C.

Table 12: Selection Table For SPLIT-SPHER Spherical Roller Bearings

Shaft Size Inches	L10 Life Hrs.	Allowable Equivalent Radial Load Rating (Lbs.) At Various Revolutions Per Minute													
		50	100	250	375	450	800	950	1100	1200	1300	1700	2100	2350	2600
2-3/16	10000	7000	7000	7000	6990	6620	5570	5290	5060	4930	4815	4440	4170	4030	3910
	30000	**7000**	**7000**	**5680**	**5030**	**4760**	**4005**	**3805**	**3640**	**3545**	**3465**	**3195**	**3000**	**2900**	**2810**
	50000	7000	6415	4870	4315	4085	3435	3265	3125	3045	2970	2740	2570	2485	2415
	100000	6415	5210	3955	3505	3315	2790	2650	2535	2470	2415	2225	2090	2020	1960
2-7/16	10000	8300	8300	8300	8175	7740	6510	6185	5920	5765	5630	5195	4875	4710	
	30000	**8300**	**8300**	**6640**	**5880**	**5565**	**4685**	**4445**	**4255**	**4145**	**4050**	**3735**	**3505**	**3390**	
	50000	8300	7495	5695	5045	4775	4015	3815	3650	3555	3475	3205	3005	2905	
	100000	7495	6090	4625	4095	3880	3265	3100	2965	2890	2820	2600	2445	2360	
2-15/16 3	10000	9000	9000	9000	8860	8390	7060	705	6415	6250	6105	5630	5285		
	30000	**9000**	**9000**	**7200**	**6375**	**6035**	**5080**	**4820**	**4615**	**4495**	**4390**	**4050**	**3800**		
	50000	9000	8130	6175	5470	5175	4355	4135	3960	3855	3765	3475	3260		
	100000	8130	6605	5015	4440	4205	3540	3360	3215	3135	3060	2820	2650		
3-3/16	10000	10400	10400	10400	10240	9695	8160	7750	7415	7225	7055	6505	6105		
	30000	**10400**	**10400**	**8320**	**7365**	**6975**	**5870**	**5575**	**5335**	**5195**	**5070**	**4680**	**4390**		
	50000	10400	9395	7135	6320	5980	5035	4780	4575	4455	4350	4015	3770		
	100000	9395	7630	5795	5130	4860	4090	3885	3715	3620	3535	3260	3060		
3-7/16	10000	14200	14200	14200	13985	13240	11140	10580	10125	9865	9630	8885			
	30000	**14200**	**14200**	**11355**	**10055**	**9520**	**8010**	**7610**	**7280**	**7095**	**6925**	**6390**			
	50000	14200	12825	9745	8630	8170	6875	6530	6245	6085	5940	5480			
	100000	12825	10420	7915	7010	6635	5585	5300	5075	4945	4825	4455			
3-15/16 4	10000	18000	18000	18000	17725	16780	14120	13410	12835	12505	12205				
	30000	**18000**	**18000**	**14395**	**12750**	**12070**	**10155**	**9645**	**9230**	**8995**	**8780**				
	50000	18000	16260	12350	10935	10355	8715	8275	7920	7715	7530				
	100000	16260	13205	10030	8885	8410	7075	6720	6430	6265	6120				
4-7/16	10000	26400	26400	26400	25995	24615	20710	19670	18825	18340					
	30000	**26400**	**26400**	**21115**	**18695**	**17700**	**14895**	**14145**	**13540**	**13190**					
	50000	26400	23845	18115	16040	15185	12780	12135	11615	11315					
	100000	23845	19370	14715	13030	12335	10380	9860	9435	9190					
4-15/16	10000	30600	30600	30600	30130	28530	24005	22800	21820						
	30000	**30600**	**30600**	**24475**	**21670**	**20520**	**17265**	**16400**	**15690**						
	50000	30600	27640	20995	18590	17605	14810	14070	13460						
	100000	27640	22450	17055	15100	14300	12030	11425	10935						
5-7/16	10000	40800	40800	40800	40175	38040	32010	30400							
	30000	**40800**	**40800**	**32635**	**28895**	**27360**	**23020**	**21865**							
	50000	40800	36855	27995	24790	23470	19750	18755							
	100000	36855	29935	22740	20135	19065	16040	15235							
5-15/16 6	10000	46400	46400	46400	45690	43260	36400	34570							
	30000	**46400**	**46400**	**37115**	**32860**	**31115**	**26180**	**24865**							
	50000	46400	41915	31840	28195	26690	22460	21330							
	100000	41915	34045	25860	22900	21680	18245	17325							

SELECTION/DIMENSIONS

DODGE®

Selecting Lubrication

DODGE SPLIT-SPHER Roller Bearings are lubricated by the user at installation. DODGE SPLIT-SPHER Roller Bearings can be run with either grease or oil lubrication.

Grease Lubrication:

In order to properly protect the bearing during installation, pack the bearing insert 100% full of grease immediately after properly mounting the bearing on the shaft. If the RPM of the application falls between 20% and 80% of maximum RPM (Table 11 on page B11-78), pack the lower half of the housing one-third to one-half full. If the RPM of the application is less than 20% of maximum RPM, pack bearing housing cavity 100% full. If the RPM exceeds 80% of maximum RPM, do not add grease in the lower half of the housing nor in the cap.

At each re-greasing cycle, for applications up to 80% of maximum RPM, slowly add grease until fresh grease is seen purging at the seals. Re-greasing should be done while running. Remote re-greasing lines should be added to avoid endangering personnel. If the RPM is greater than 80% of maximum RPM, add 4 strokes of a handgun at each re-greasing cycle for bores up to 2". For bores greater than 2", up to 5", add 8" strokes of a handgun at each re-greasing cycle. For bores greater than 5", up to 6", add 16 strokes of a handgun at each re-greasing cycle. For units running above 80% of maximum RPM, running temperature should be monitored. If a drastic change in running temperature is noted, DODGE recommends removing the used grease completely and recharging with fresh grease per the above instructions. For warning before catastrophic failure, see DODGE Temperature Monitor Package on page B11-58.

Select a grease with a viscosity at an operating temperature which will provide full film lubrication (see Table 12). Use a 50°F to 100°F increase in bearing temperature above ambient, depending on RPM and load. Use Table 13 on page B11-80 as a general guide for re-greasing the bearings. A small amount of grease at frequent intervals is preferable to a large amount of grease at infrequent intervals. For special applications involving high speeds, high loads, or very low speeds, consult DODGE Application Engineering (864-284-5700 or FAX 864-281-2317).

Table 13: Viscosity Of Oil In Grease

DN Δ	Viscosity for Loads Up To 18% of Dyn. Cap. ✦ (SUS @ Oper. Temp.)	DN Δ	Viscosity for Loads Up To 18% of Dyn. Cap. ✦ (SUS. @ Oper. Temp.)
100	3500	1400	625
200	3150	1600	525
300	2750	1800	450
400	2375	2000	400
500	2000	3000	300
600	1750	4000	200
700	1500	5000	150
800	1300	6000	130
900	1075	7000	110
1000	900	8000	100

Δ DN = Bore Diameter (inches) x RPM

✦ For loads above 18% of dynamic capacity, an EP grease with the viscosity selected from above is recommended.

Table 14: Re-Greasing Intervals (Months*) (Based on 12 Hours per Day, 150-F Max.)

Shaft Size (inch)	RPM							
	250	500	750	100	1250	1500	2000	2500
1-7/16 - 1-15/16	8	6	4	3	2	1	.50	.50
2-3/16	7	5	3	2	1	1	.50	.25
2-7/16 - 3	6	4	3	2	1	.50	.25	.25
3-3/16 - 3-1/2	5	3	2	1	.50	.50	.25	
3-15/16 - 4-7/16	4	3	2	1	.50	.25		
4-15/16 - 5-1/2	3	2	1	.50	.25			
5-15/16 - 6	2	1	1	.50				

* For continuous operation, 24 hrs./day, reduce the re-greasing intervals by half.

DODGE®

USAF 500 SPLIT-SPHER Pillow Block

Shaft Dia S-1	Complete Pillow Block Part No.	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.	Max RPM (Grease)	Split LER Seal
2-3/16	P2B13-SS-203 043958	H2S-513-USAF 043998	BRG13SS203 043393	32,500	2,600	14SS203 043501
	P4B13-SS-203 046110	H4S-513-USAF 039669	BRG13SS203 043393	32,500	2,600	14SS203 043501
2-7/16	P2B15-SS-207 043959	H2S-515-USAF 044000	BRG15SS207 043400	39,000	2,350	20SS207 043502
	P4B15-SS-207 043964	H4S-515-USAF 044003	BRG15SS207 043400	39,900	2,350	20SS207 043502
2-11/16	P2B16-SS-211 043960	H2S-516-USAF 044198	BRG16SS211 043401	40,500	2,300	24SS211 043504
	P4B16-SS-211 043965	H4S-516-USAF 044007	BRG16SS211 043401	40,500	2,300	24SS211 043504
2-15/16	P2B17-SS-215 043961	H2S-517-USAF 044010	BRG17SS215 043402	41,500	2,200	28SS215 043506
	P4B17-SS-215 043966	H4S-517-USAF 044010	BRG17SS215 043402	41,500	2,200	28SS215 043506
3-3/16	P2B18-SS-303 043962	H2S-518-USAF 044199	BRG18SS303 043403	47,500	2,100	34SS303 043508
	P4B18-SS-303 043967	H4S-518-USAF 044114	BRG18SS303 043403	47,500	2,100	34SS303 043508
3-7/16	P2B20-SS-307 043963	H2S-520-USAF 044020	BRG20SS307 043404	71,000	1,700	46SS307 043509
	P4B20-SS-307 043968	H4S-520-USAF 044023	BRG20SS307 043404	71,000	1,700	46SS307 043509
3-15/16	P4B22-SS-315 043969	H4S-522-USAF 044025	BRG22SS315 043405	71,000	1,450	50SS315 043511
4	P4B22-SS-400 043970	H4S-522-USAF 044025	BRG22SS400 043406	71,000	1,450	50SS400 043512
4 3/16	P4B24-SS-403 043971	H4S-524-USAF 044202	BRG24SS403 043421	102,000	1,300	52SS403 043513
4-7/16	P4B26-SS-407 043972	H4S-526-USAF 044031	BRG26SS407 043407	132,000	1,200	54SS407 043514
4-15/16	P4B28-SS-415 043974	H4S-528-USAF 044034	BRG28SS415 043408	153,000	1,100	56SS415 043516
5-7/16	P4B32-SS-507 043976	H4S-532-USAF 044040	BRG32SS507 043410	204,000	1,000	60SS507 043519
5-15/16	P4B34-SS-515 043977	H4S-534-USAF 044043	BRG34SS515 043411	232,000	950	64SS515 043520
6	P4B34-SS-600 043978	H4S-534-USAF 044043	BRG34SS600 043412	232,000	950	64SS600 043521

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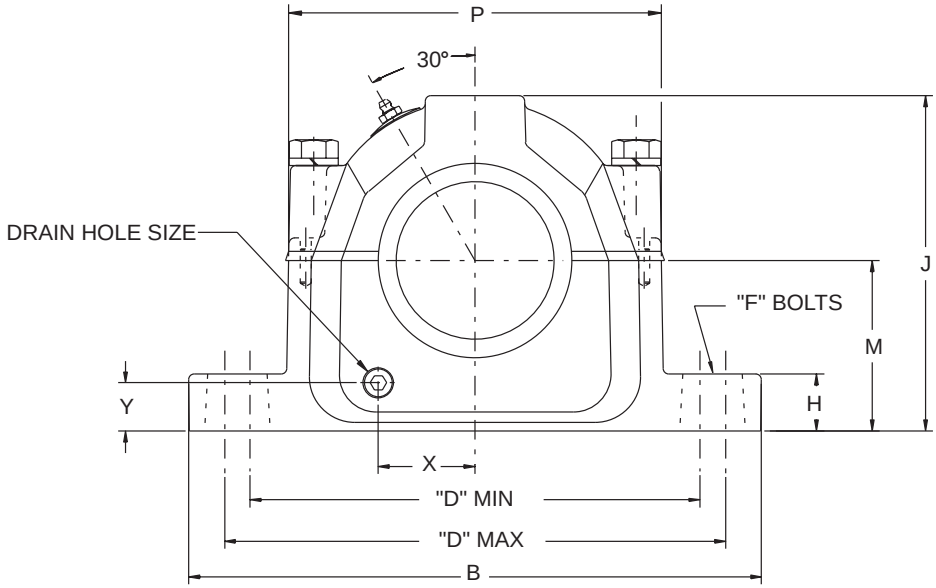
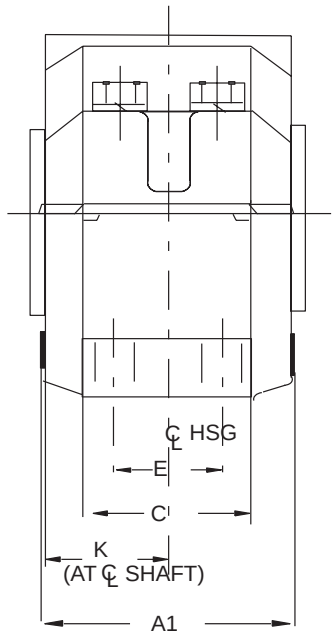
SELECTION/DIMENSIONS

USAF 500 SPLIT-SPHER Housing Dimensions





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DODGE®

USAF 500 SPLIT-SPHER Housing Dimensions

S-1 Shaft Size	Housing	▲ A1	B	C	D				E
					2-Bolt		4-Bolt		
2-3/16	513	4-41/64	11	3-1/8	8-1/8	9-1/2	8-1/8	9-1/2	1-7/8
2-7/16	515	5-13/64	11-1/8	3-1/8	8-5/8	9-5/8	8-5/8	9-5/8	1-7/8
2-15/16	517	5-25/64	12-19/32	3-1/2	9-7/8	11	9-7/8	11	2-1/8
3-3/16	518	6-5/32	13-5/8	3-7/8	10-1/4	11-3/4	10-3/8	11-5/8	2-1/8
3-7/16	520	6-25/32	15-23/64	4-11/32	11-5/8	13-1/8	11-5/8	13-1/8	2-3/8
3-15/16 4	522	7-5/64	16-1/2	4-3/4	-	-	12-19/32	14-1/2	2-3/4
4-7/16	526	8-17/64	18-3/8	5-1/8	-	-	14-1/2	16	3-1/4
4-15/16	528	8-49/64	19-11/16	5-7/8	-	-	15-5/8	17-3/8	3-3/8
5-7/16	532	9-59/64	21-21/32	6-1/4	-	-	17-3/8	19-1/4	3-3/4
5-15/16 6	534	9-23/32	24-3/4	6-3/4	-	-	19-3/8	21-5/8	4-1/4

S-1 Shaft Size	Housing	F		H	J	K	M	P
		2-Bolt	4-Bolt					
2-3/16	513	5/8	1/2	1-1/32	5-15/16	2-5/32	3	6-1/2
2-7/16	515	5/8	1/2	1-1/4	6-7/16	2-5/16	3-1/4	7-1/16
2-15/16	517	3/4	5/8	1-1/4	7-3/8	2-15/32	3-3/4	8-3/16
3-3/16	518	3/4	5/8	1-7/16	7-3/4	2-27/32	4	8-21/32
3-7/16	520	7/8	3/4	1-21/32	8-3/4	3-5/32	4-1/2	9-25/32
3-15/16 4	522	-	3/4	1-25/32	9-13/32	3-19/64	4-15/16	10-19/32
4-7/16	526	-	7/8	2-1/16	11-17/32	3-3/4	6	12-13/32
4-15/16	528	-	1	2-1/16	11-13/16	4	6	13-1/4
5-7/16	532	-	1	2-11/32	13-5/16	4-5/8	6-11/16	14-29/32
5-15/16 6	534	-	1	2-7/8	14-9/16	4-5/8	7-1/16	16-13/16

▲ Housing width with drain plugs

✦ Distance shaft should extend beyond housing centerline if pillow block is closed end style

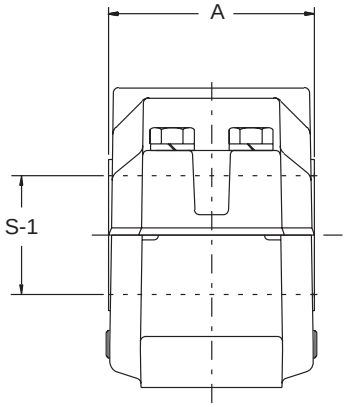
● Non-expansion bearing offset from centerline.

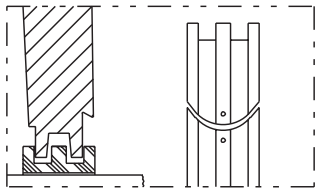
Dowel hole locations for Precision Positioning, see Page B11-29 - B11-29

SELECTION/DIMENSIONS

USAF 500 SPLIT-SPHER Pillow Block Seals

LENGTH THRU BORE W/SEALS

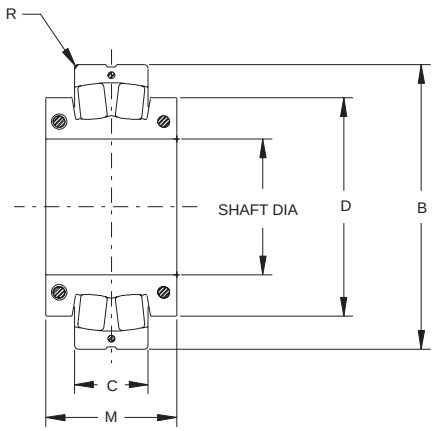




SPLIT Seal
Permits easy installation in hard-to-reach applications without removing shaft. Non-metallic split LER.

S-1 Shaft Size Inch	Housing	Seal Group	Seal Part Number	A
2-3/16	513	14	**043501**	4-23/32
2-7/16	515	20	**043502**	4-15/32
2-11/16	516	24	**043504**	4-23/32
2-15/16	517	28	**043506**	4-53/64
3-3/16	518	34	**043508**	5-45/64
3-7/16	520	46	**043509**	6-3/16
3-15/16 4	522	50	**043511** **043512**	6-19/32
4-3/16	524	52	**043513**	7-5/16
4-7/16	526	54	**043514**	7-1/2
4-15/16	528	56	**043516**	7-7/8
5-7/16	532	60	**043519**	9-13/64
5-15/16 6	534	64	**043520** **043521**	9-1/8
6-7/16	538	68	**043522**	9-11/16

USAF 22200 SPLIT-SPHER Roller Bearings



Shaft Dia. Inch	Housing	Bearing Descriptive No.	Bearing Part No.	Approx. Weight (Lbs)	B Inch (mm)	C Inch (mm)	M Inch (mm)	D Inch	R Inch
2-3/16	513	22213SS203	**043393**	5.07	4.7244 (120)	1.2205 (31)	2.1654 (55)	3.3464	0.06
2-7/16	515	22215SS207	**043400**	5.73	5.1181 (130)	1.2205 (31)	2.3622 (60)	3.4646	0.06
2-15/16	517	22217SS215	**043402**	9.04	5.9055 (150)	1.4173 (36)	2.6772 (68)	4.0157	0.08
3-3/16	518	22218SS303	**043403**	10.1	6.2992 (160)	1.5748 (40)	2.7559 (70)	4.4094	0.08
3-7/16	520	22220SS307	**043404**	14.2	7.0866 (180)	1.811 (46)	2.9921 (76)	4.6457	0.08
3-15/16	522	22222SS315	**043405**	22.0	7.874 (200)	2.0866 (53)	3.622 (92)	5.4331	0.08
4		22222SS400	**043406**	22.0					
4-7/16	526	22226SS407	**043407**	32.2	9.0551 (230)	2.5197 (64)	4.0945 (104)	5.9842	0.12
4-15/16	528	22228SS415	**043408**	43.2	9.8425 (250)	2.6772 (68)	4.3307 (110)	6.6929	0.12
5-7/16	532	22232SS507	**043410**	69.4	11.4173 (290)	3.1496 (80)	4.8819 (124)	7.4016	0.12
5-15/16	534	22234SS515	**043411**	82.2	12.2047 (310)	3.3858 (86)	5.0394 (128)	7.9527	0.12
6		22234SS600	**043412**	82.2					

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SELECTION/DIMENSIONS

USDAF Pillow Block - Spherical Roller Bearings

Table 15: Radial & Thrust Factors For USDAF Spherical Bearings

Shaft Size (in.)	Bearing Series	e	FA/FR ≤ e		FA/FR > e		Adapter Maximum Allowable Thrust Load, lbs.*	Dynamic Capacity (C), lbs.	Max. RPM	
			X	Y	X	Y			Grease	Oil
23000K SERIES										
10-15/16,11	23060K	0.25	1	2.70	0.67	4	23,875	440,000	630	800
11-7/16,11-1/2,11-15/16,12	23064K	0.25	1	2.70	0.67	4.10	26,114	455,000	600	750
12-7/16,12-1/2	23068K	0.25	1	2.70	0.67	4	30,498	530,000	560	700
12-15/16,13,13-7/16,13-1/2	23072K	0.25	1	2.70	0.67	4.10	32,535	550,000	530	670
13-15/16,14	23076K	0.24	1	2.80	0.67	4.20	34,598	570,000	500	630
15	23080K	0.24	1	2.80	0.67	4.10	39,926	680,000	450	560
15-3/4	23084K	0.24	1	2.80	0.67	4.20	42,489	710,000	450	560
23100K SERIES										
9-7/16, 9-1/2	23152K	0.33	1	2	0.67	3	19,985	490,000	670	850
10-7/16,10-1/2	23156K	0.32	1	2.10	0.67	3.20	27,571	530,000	630	800
10-15/16,11	23160K	0.33	1	2.10	0.67	3.10	32,373	600,000	600	750
11-15/16,12	23164K	0.34	1	2	0.67	2.90	37,984	720,000	530	670
12-7/16,12-1/2	23168K	0.34	1	2	0.67	2.90	43,568	830,000	500	630
13-7/16,13-1/2	23172K	0.33	1	2.10	0.67	3.10	45,617	850,000	480	600
13-15/16,14	23176K	0.32	1	2.10	0.67	3.20	49,719	915,000	450	560
23200K SERIES										
8-15/16,9	23248K	0.37	1	1.80	0.67	2.70	25,891	560,000	700	900
9-7/16,9-1/2	23252K	0.37	1	1.80	0.67	2.70	30,511	655,000	630	800
10-7/16,10-1/2	23256K	0.36	1	1.90	0.67	2.80	33,236	680,000	600	750
10-7/16,11	23260K	0.37	1	1.80	0.67	2.70	38,847	780,000	560	700
11-15/16,12	23264K	0.37	1	1.80	0.67	2.70	44,890	865,000	530	670
12-7/16,12-1/2	23268K	0.38	1	1.80	0.67	2.70	51,365	1,000,000	480	600

If the thrust load exceeds adapter maximum allowable thrust load, auxiliary methods of carrying thrust are required.

USDAF Pillow Block - Spherical Roller Bearings

Table 16: Selection Table For USDAF Spherical Bearings

Shaft Size	Bearing Series	L10 Life Hours	Allowable Equivalent Radial Load Rating (Lbs.) at Various Rpm. *												
			50	100	150	200	250	300	400	500	550	600	650	700	750
23000K SERIES															
10-15/16, 11	23060K	50,000	97865	79491	70387	64567	60386	57172	52445	49049	47666	46438	45336	44339	43431
		80,000	84995	69037	61130	56076	52445	49653	45548	42598	41397	40331	39374	38508	37719
		100,000	79491	64567	57172	52445	49049	46438	42598	39840	38717	37719	36824	36015	35277
11-7/16,11-1/2 11-15/16,12	23064K	50,000	101201	82201	72786	66768	62445	59121	54233	50721	49291	48021	46882	45851	44912
		80,000	87892	71391	63214	57987	54233	51346	47100	44050	42809	41706	40716	39821	39005
		100.000	82201	66768	59121	54233	50721	46021	44050	41198	40037	39005	38080	37243	36480
12-7/16,12-1/2	23068K	50,000	117883	95751	84784	77774	72738	68866	63172	59081	57416	55937	54609	53409	
		80,000	102380	83158	73634	67546	63172	59809	54864	51312	49665	48580	47428	46385	
		100,000	95751	77774	68866	63172	59081	55937	51312	47989	46636	45435	44357	43381	
12-15/16,13 13-7/16,13-1/2	23072K	50,000	122331	99364	87984	80709	75483	71465	65556	61311	59583	58048	56670		
		80,000	106243	86296	76413	70094	65556	62066	56934	53248	51747	50414	49217		
		100,000	102977	83643	71465	65556	61311	56048	53248	49800	48396	47149	46031		
13-15/16, 14	23076K	50,000	126780	102977	91183	83643	78227	74064	67940	63540	61749	60158			
		80,000	110107	89435	79191	72643	67940	64323	59005	55184	53629	52247			
		100,000	102977	63643	74064	67940	63540	60158	55184	51611	50156	48864			
15	23080K	50,000	151246	122850	108780	99785	93324	88357	81051	75803	73666				
		80,000	131355	106694	94474	86662	81051	76737	70392	65834	63978				
		100,000	122850	99785	88357	81051	75803	71768	65834	61571	59835				
15-3/4	23084K	50,000	157919	128270	113579	104187	97441	92255	84627	79147	76916				
		80,00	137151	111401	98642	90486	84627	80122	73497	66736	66601				
		100,000	128270	104187	92255	84627	79147	74934	68738	64287	62475				
23100K SERIES															
9-7/16, 9-1/2	23152K	50,000	108992	88529	78390	71908	67252	63672	58407	54625	53086	51718	50491	49381	48369
		80,000	94658	76886	68080	62451	58407	55299	50726	47442	46104	44916	43851	42886	42008
		100,000	88529	71908	63672	58407	54625	51718	47442	44370	43119	42008	41011	40110	39288
10-7/16, 10-1/2	23156K	50,000	117883	95751	84784	77774	72738	68866	63172	59081	57416	55937	54609	53409	52315
		80,000	102380	83158	73634	67546	63172	59809	54864	51312	49865	48580	47426	46385	45435
		100,000	95751	77774	66866	63172	59061	55937	51312	47989	46636	45435	44357	43381	42493
10-15/16, 11	23160K	50,000	133452	108397	95982	88046	82345	77962	71515	66885	64999	63325	61822	60463	59224
		80,000	115902	94142	83359	76467	71515	67709	62110	58089	56451	54997	53692	52511	51436
		100,000	108397	88046	77962	71515	66885	63325	58089	54327	52796	51436	50215	49111	46105
11-15/16,12	23164K	50,000	160143	130076	115178	105655	98814	93554	85818	80262	77999	75989	74186		
		60,000	139082	112970	100031	91760	85818	81251	74532	69706	67741	65996	64430		
		100,000	130076	105655	93554	85818	60262	75989	69706	65193	63355	61723	60258		
12-7/16,12-1/2	23168K	50,000	184609	149949	132775	121797	113910	107847	98930	92524	89916	67599			
		80,000	160331	130229	115314	105779	98930	93664	65919	80356	78091	76079			
		100,000	149949	121797	107847	96930	92524	87599	80356	75153	73034	71152			
13-7/16, 13-1/2	23172K	50,000	189058	153562	135975	124732	116655	110446	101313	94753	92062	89710			
		80,000	164194	133367	118092	108326	101313	95921	87990	62292	79972	77912			
		100,000	153562	124732	110446	101313	94753	69710	82292	76964	74794	72667			
13-15/16,14	23176K	50,000	203515	165306	146373	134270	125576	118892	109061	101999	99124				
		80,000	176750	143566	127123	116612	109061	103256	94718	88585	86086				
		100,000	165306	134270	118892	109061	101999	96570	88585	82649	80514				
23200K SERIES															
8-15/16, 9	23248K	50,000	124562	101176	89588	82180	76859	72768	66751	62429	60669	59106	57704	56435	55279
		80,000	108181	87870	77806	71373	66751	63198	57973	54219	52691	51333	50115	49013	48009
		100,000	101176	82180	72768	66751	62429	59106	54219	50708	49279	48009	46870	45839	44900
9-7/16,9-1/2	23252K	50,000	145686	118333	104780	96117	89893	85108	78071	73016	70958	69129	67469	66005	64653
		60,000	126526	102771	91001	83476	78071	73915	67804	63413	61626	60036	58613	57325	56150
		100,000	116333	96117	85108	76071	73016	69129	63413	59307	57635	56150	54816	53613	52515
10-7/16,10-1/2	23256K	50,000	151246	122850	106780	99765	93324	86357	81051	75603	73666	71768	70065	66524	67121
		80,000	131355	106694	94474	86662	81051	76737	70392	65834	63978	62330	60651	59513	58294
		100,000	122850	99785	66357	81051	75803	71768	65634	61571	59635	58294	56910	55659	54519
10-15/16,11	23260K	50,000	173488	140916	124777	114459	107048	101350	92970	66950	84499	62322	80369	76602	
		60,000	150672	122384	106367	99407	92970	68021	80743	75515	73366	71496	69799	66265	
		100,000	140916	114459	101350	92970	86950	62322	75515	70625	68635	66666	65280	63844	
11-15/16,12	23264K	50,000	192394	156272	138374	126933	118714	112395	103101	96425	93707	91293	89127		
		80,000	167092	135721	120176	110240	103101	97614	69542	83744	81364	79267	77406		
		100,000	156272	126933	112395	103101	96425	91293	63744	78322	76114	74153	72393		
12-7/16 12-1/2	23266K	50000	222421	180662	159970	146743	137241	129936	119192	111474	108332	105541			
		80,000	193170	158903	138932	127445	119192	112848	103517	96614	94085	91681			
		100,000	180662	146743	129936	119192	111474	105541	96614	90545	67993	65726			

* Oil lubrication to the right of the heavy line.

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SELECTION/DIMENSIONS

USDAF Adapter Mount Pillow Block

Shaft Dia	Housing	Open Housing Part No.**	Closed Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs.	Max RPM LER (Grease)	SNP Part No.	TRIPLE-TECT Part No.	# LER Part No.	Aux Part No.
8-15/16	3248	H4S-USDAF-3248 037464	CH4S-USDAF-3248 037465	23248K 422511	560,000	700	H3248-SNP-815 047628	90TT815 042544	90LER815 *042544	90AUX815 040899
9	3248	H4S-USDAF-3248 037464	CH4S-USDAF-3248 037465	23248K 422511	560,000	700	H3248-SNP-900 047629	90TT900 043572	90LER900 *042545	90AUX900 040995
9-7/16	3152	H4S-USDAF-3152 037461	CH4S-USDAF-3152 037462	23152K 421294	490,000	670	H3152-SNP-907 047630	84TT908 043538	84LER907 *042510	84AUX907 040900
	3252	H4S-USDAF-3252 037442	CH4S-USDAF-3252 037443	23252K 421290	665,000	630	H3252-SNP-907 047646	84TT907 043538	84LER907 *042510	84AUX907 040900
9-1/2	3152	H4S-USDAF-3152 037461	CH4S-USDAF-3152 037462	23152K 421294	490,000	670	H3152-SNP-908 047631	84TT908 422545	84LER908 *422594	84AUX908 040901
	3252	H4S-USDAF-3252 037442	CH4S-USDAF-3252 037443	23252K 421290	655,000	630	H3252-SNP-908 047647	84TT908 422545	84LER908 *422594	84AUX908 040901
10-7/16	3156	H4S-USDAF-3156 037432	CH4S-USDAF-3156 037433	23156K 421285	530,000	630	H3156SNP-1007 045431	94TT1007 047940	94LER1007 *042036	94AUX1007 045778
	3256	H4S-USDAF-3256 037444	CH4S-USDAF-3256 037446	23256K 421291	680,000	600	H325-SNP-1007 047648	94TT1007 047940	94LER1007 *042036	94AUX1007 045778
10-1/2	3156	H4S-USDAF-3156 037432	CH4S-USDAF-3156 037433	23156K 421285	530,000	630	H3156-SNP-1008 047637	94TT1008 047941	94LER1008 *422573	94AUX1008 042396
	3256	H4S-USDAF-3256 037444	CH4S-USDAF-3256 037446	23256K 421291	680,000	600	H3256-SNP-1008 047649	94TT1008 047941	94LER1008 *422573	94AUX1008 042396
10-15/16	060	H4S-USDAF-060 422580	CH4S-USDAF-060 037426	23060K 422582	440,000	630	H3060-SNP-1015 043581	96TT1015 047942	96LER1015 *042037	96AUX1015 045781
	3160	H4S-USDAF-3160 037434	CH4S-USDAF-3160 037435	23160K 421286	600,000	600	H3160-SNP-1015 047638	96TT1015 047942	96LER1015 *042037	96AUX1015 045781
	3260	H4S-USDAF-3260 037447	CH4S-USDAF-3260 037448	23260K 421292	780,000	560	H3260-SNP-1015 047678	96TT1015 047942	96LER1015 *042037	96AUX1015 045781
11	060	H4S-USDAF-060 422580	CH4S-USDAF-060 037426	23060K 422582	440,000	630	H3060-SNP-1100 422576	96TT1100 047943	96LER1100 *422588	96AUX1100 044440
	3160	H4S-USDAF-3160 037434	CH4S-USDAF-3160 037435	23160K 421286	600,000	600	H3160-SNP-1100 045464	96TT1100 047943	96LER1100 *422588	96AUX1100 044440
	3260	H4S-USDAF-3260 037447	CH4S-USDAF-3260 037448	23260K 421292	780,000	560	H3260-SNP-1100 047679	96TT1100 047943	96LER1100 *422588	96AUX1100 044440
11-7/16	064	H4S-USDAF-064 422502	CH4S-USDAF-064 037427	23064K 422531	455,000	600	H3064-SNP-1107 043582	98TT1107 047944	98LER1107 *042038	98AUX1107 045784
11-1/2	064	H4S-USDAF-064 422502	CH4S-USDAF-064 037427	23064K 422531	455,000	600	H3064-SNP-1108 043583	98TT1108 047945	98ER1108 *042039	98AUX1107 045787
11-15/16	064L	H4S-USDAF-064L 422529	CH4S-USDAF-064L 037428	23064K 422531	455,000	600	H3064L-SNP-1115 043584	100TT1115 047946	100ER1115 *042040	100AUX1115 045790
	3164	H4S-USDAF-3164 037436	CH4S-USDAF-3164 037437	23164K 421287	720,000	530	H3164-SNP-115 047639	100TT1115 047946	100ER1115 *042040	100AUX1115 045790
	3264	H4S-USDAF-3264 037441	CH4S-USDAF-3264 037450	23264K 422844	865,000	530	H3264-SNP-1115 047680	100TT115 047946	100ER1115 *042040	100AUX1115 045790

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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DODGE®

USDAF Adapter Mount Pillow Block

Shaft Dia	Housing	Open Housing Part No.**	Closed Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs.	Max RPM LER (Grease)	SNP Part No.	TRIPLE-TECT Part No.	# LER Part No.	Aux Part No.
12	064L	H4S-USDAF-064L 422529	CH4S-USDAF-064L 037428	23064K 422531	455,000	600	H3064L-SNP-1200 422525	100TT1200 047947	100ER1200 *422535	100AUX1200 045793
	3164	H4S-USDAF-3164 037436	CH4S-USDAF-3164 037437	23164K 421287	720,000	530	H3164-SNP-1200 050531	100TT1200 047947	100ER1200 *422535	100AUX1200 045793
	3264	H4S-USDAF-3264 037449	CH4S-USDAF-3264 037450	23264K 422844	865,000	530	H3264-SNP-1200 422843	100TT1200 047947	100ER1200 *422535	100AUX1200 045793
12-7/16	068	H4S-USDAF-068 035183	CH4S-USDAF-068 035185	23068K 421282	530,000	560	H3064-SNP-1207 047632	102TT1207 047948	102ER1207 *046498	102AUX1207 046567
	3168	H4S-USDAF-3168 035945	CH4S-USDAF-3168 035946	23168K 052081	830,000	500	H3168-SNP-1207 047641	102TT1207 047948	102ER1207 *046498	102AUX1207 046567
	3268	H4S-USDAF-3268 037451	CH4S-USDAF-3268 037452	23268K 421293	1,000,000	480	H328-SNP-1207 047681	102TT1207 047948	102ER1207 *046498	102AUX1207 046567
12-1/2	068	H4S-USDAF-068 035183	CH4S-USDAF-068 035185	23068K 421282	530,000	560	H3068-SNP-1208 047635	102TT1208 047949	102ER1208 *046499	102AUX1208 046568
	3168	H4S-USDAF-3168 035945	CH4S-USDAF-3168 035946	23168K 052081	830,000	500	H31680-SNP-1208 047642	102TT1208 047949	102ER1208 *046499	102AUX1208 046568
	3268	H4S-USDAF-3268 037451	CH4S-USDAF-3268 037452	23268K 421293	1,000,000	480	H3268-SNP-1208 047682	102TT1208 047949	102ER1208 *046499	102AUX1208 046568
12-15/16	072	H4S-USDAF-072 044164	CH4S-USDAF-072 037429	23072K 422036	550,000	530	H3072-SNP-1215 043635	104TT1215 047950	104ER1215 *042090	102AUX1215 045796
13	072	H4S-USDAF-072 044164	CH4S-USDAF-072 037429	23072K 422036	550,000	530	H3072-SNP-1300 043636	104TT1300 047951	072ER1300 *042091	104AUX1300 045799
13-7/16	072L	H4S-USDAF-072L 044165	CH4S-USDAF-072L 037430	23072K 422036	550,000	530	H3072L-SNP-1307 043637	106TT1307 047952	106ER1307 *042092	106AUX1307 045802
	3172	H4S-USDAF-3172 037438	CH4S-USDAF-3172 037439	23172K 421288	850,000	480	H3172-SNP-1307 047643	106TT1307 047952	106ER1307 *042092	106AUX1307 045802
13-1/2	072L	H4S-USDAF-072L 044165	CH4S-USDAF-072L 037430	23072 422036	550,000	530	H3072L-SNP-1308 043638	106TT1308 047953	106ER1308 *042093	106AUX1308 045805
	3172	H4S-USDAF-3172 037438	CH4S-USDAF-3172 037439	23172K 421288	850,000	480	H3172-SNP-1308 045434	106TT1308 047953	106ER1308 *042093	106AUX1308 045805
13-15/16	076	H4S-USDAF-076 044166	CH4S-USDAF-076 037431	23076K 422054	570,000	500	H3076-SNP-1315 043639	108TT1315 047954	108ER1315 *042094	108AUX1315 045808
	3176	H4S-USDAF-3176 037440	CH4S-USDAF-3176 037441	23176K 421289	915,000	450	H3176-SNP-1315 047644	108TT1315 047954	108ER1315 *042094	108AUX1315 045808
14	076	H4S-USDAF-076 044166	CH4S-USDAF-076 037431	23076K 422054	570,000	500	H3076-SNP-1400 043640	108TT1400 047955	108ER1400 *042095	108AUX1400 046569
	3176	H4S-USDAF-3176 037440	CH4S-USDAF-3176 037441	23176K 421289	915,000	450	H3176-SNP-1400 047645	108TT1400 047955	108ER1400 *042095	108AUX1400 046569
15	080	H4S-USDAF-080 035417	CH4S-USDAF-080 035418	23080K 421283	680,000	450	H3080-SNP-1500 040830	110TT1500 047956	080ER1500 *050474	110AUX1500 046570
15-3/4	84	H4S-USDAF-084 035943	CH4S-USDAF-084 035944	23084K 421284	710,000	450	H3084-SNP-1512 047636	112TT1512 047957	112ER1512 *046566	112AUX1512 046572

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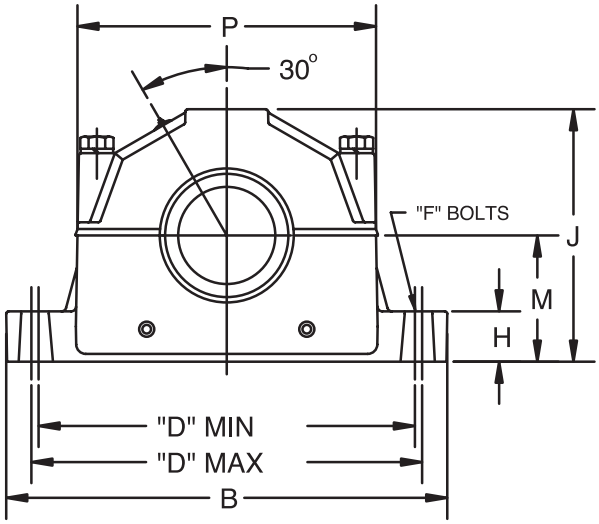
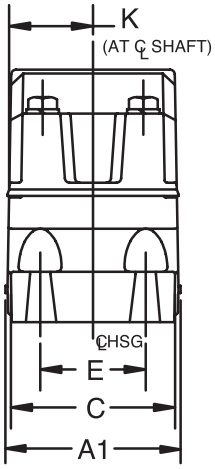
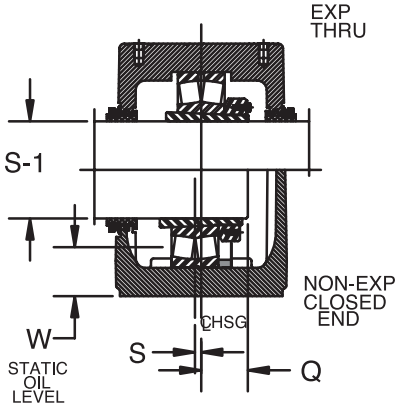
SELECTION/DIMENSIONS

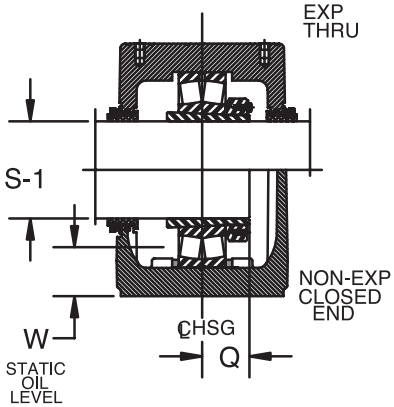
USDAF Housing Dimensions







23000 SERIES
(REQUIRES (1) STABILIZING RING)



23100, 23200 SERIES
(REQUIRES (2) STABILIZING RINGS)

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USDAF Housing Dimensions

S-1 Shaft Size	Housing	Bearing Number	A1 ▲	B	C	D		E	F Base Bolt Size 4-Req'd	H
						Min	Max			
8-15/16 9	3248	23248K	14-9/32	35	13-3/4	29	30-1/2	8-3/4	1-5/8	3-3/4
9-7/16	3152	23152K								
9-1/2	3252	23252K								
10-7/16	3156	23156K								
10-1/2	3256	23256K								
10-15/16	60	23060K								
11	3160	23160K	16-23/64	38-1/4	14-3/4	31-5/8	34-5/8	9	1-5/8	3-3/8
11-7/16 11-1/2	64	23064K								
11-15/16 12	064L									
12-7/16 12-1/2	68	23068K	15-13/16	39	15-1/4	32	34	10	1-7/8	4-3/16

S-1 Shaft Size	Housing	Bearing Number	J	K	M	P	Q ★	S •	Total Exp.
8-15/16 9	3248	23248K	20-7/8	6-53/64	10-1/4	23-15/16	4-7/8	0	3/8
9-7/16	3152	23152K					4-5/8		3/8
9-1/2	3252	23252K					5-27/64	0	3/4
10-7/16	3156	23156K					5	0	3/4
10-1/2	3256	23256K					4-37/64	0	3/4
10-15/16	60	23060K					4-5/16	3/16	3/8
11	3160	23160K	23-7/16	7-23/32	12	26-1/2	5-21/64	0	3/4
11-7/16 11-1/2	64	23064K					4-29/64	3/16	3/8
11-15/16 12	064L								3/8
12-7/16 12-1/2	68	23068K	24	7-15/32	12	26-3/8	4-13/16	3/16	3/8

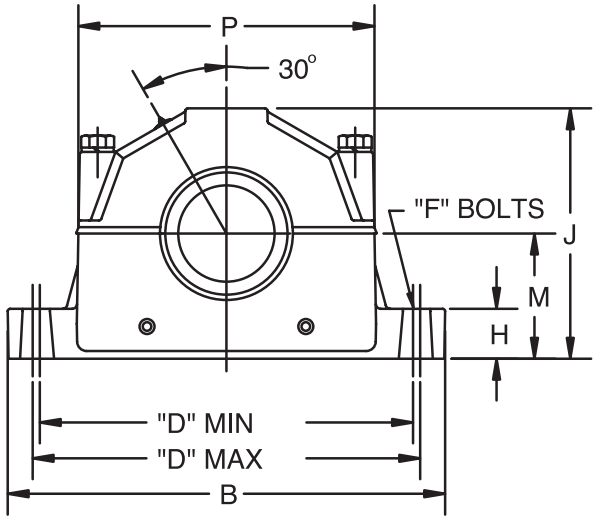
▲ Housing Width With Drain Plugs

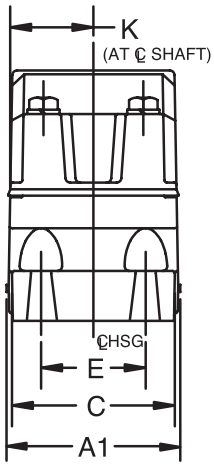
★ Distance Shaft Should Extend Beyond Housing Centerline If Pillow Block Is Closed End Style

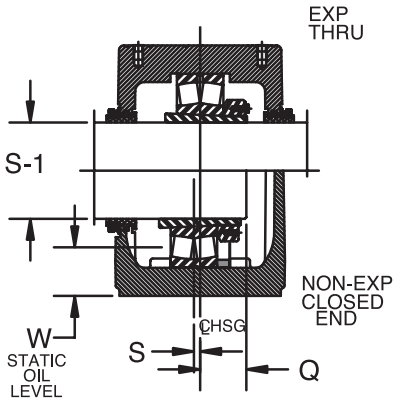
• Non-expansion Bearing Offset From Centerline. For Expansion Bearing S = 0

SELECTION/DIMENSIONS

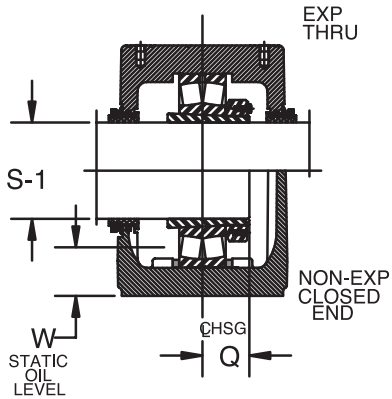
USDAF Housing Dimensions







23000 SERIES
(REQUIRES (1) STABILIZING RING)



23100, 23200 SERIES
(REQUIRES (2) STABILIZING RINGS)

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USDAF Housing Dimensions

S-1 Shaft Size	Housing	Bearing Number	A1 ▲	B	C	D		E	F Base Bolt Size 4-Req'd	H
						Min	Max			
10-15/16 11	3260	23260K	16-63/64	41-3/4	15-3/4	35	36-1/2	10-1/2	1-7/8	4-1/2
11-15/16 12	3164	23164K								
12-15/16 13	072	23072K								
13-7/16 13-1/2	072L									
13-15/16 14	076	23076K								
11-15/16 12	3264	23264K	18-5/16	43-37/64	17-3/4	36-3/4	38-1/4	10-3/4	2	5
12-7/16	3168	23168K								
12-1/2	3268	23268K	18-3/8	46	17-1/8	39-1/4	40-3/4	11	2	5-1/4
13-7/16 13-1/2	3172	23172K								
13-15/16 14	3176	23176K								
15	080	23080K								
15-3/4	084	23084K								

S-1 Shaft Size	Housing	Bearing Number	J	K	M	P	Q ★	S •	Total Exp.
10-15/16 11	3260	23260K	25-3/4	8-5/32	12-13/16	29-1/8	5-61/64	0	3/4
11-15/16 12	3164	23164K					5-23/32	0	3/4
12-15/16 13	072	23072K					4-13/16	3/16	3/8
13-7/16 13-1/2	072L								3/8
13-15/16 14	076	23076K					5-61/64	3/16	3/8
11-15/16 12	3264	23264K	28	8-45/64	14	31-1/8	6-7/32	0	1/2
12-7/16	3168	23168K					6	0	1/2
12-1/2	3268	23268K	29	8-3/4	14-1/2	33-11/64	6-21/32	0	1/2
13-7/16 13-1/2	3172	23172K					6-9/64	0	3/4
13-15/16 14	3176	23176K					6-5/16	0	3/4
15	080	23080K					5-23/64	3/16	3/8
15-3/4	084	23084K					5-25/64	3/16	3/8

▲ Housing Width With Drain Plugs

★ Distance Shaft Should Extend Beyond Housing Centerline If Pillow Block Is Closed End Style

• Non-expansion Bearing Offset From Centerline. For Expansion Bearing S = 0

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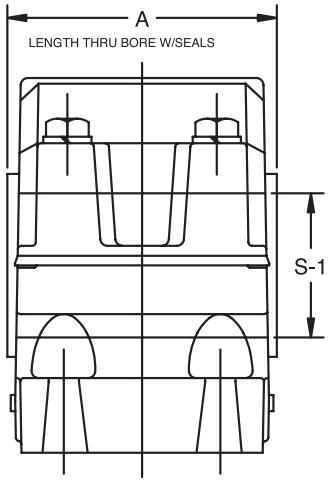
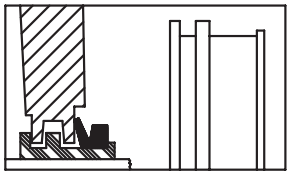
SELECTION/DIMENSIONS

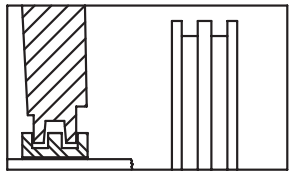
DODGE®

USDAF Pillow Block Seals

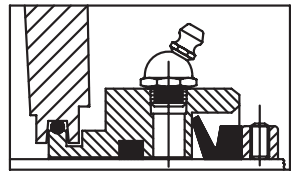




TRIPLE-TECT SEAL
General purpose seal for
wet or dirty environments



LER SEAL
High speed seal for
relatively clean environments



AUXILIARY TACONITE SEAL
For dusty environments
and low to moderate speeds

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USDAF Pillow Block Seals - Inch

S-1 Shaft Size (Inch)	Housing	Seal Group	Part Numbers			A		
			TRIPLE-TECT (TT)	Metal Labyrinth (ER)	Auxiliary (AUX)	TT	ER	AUX*
10-15/16 11	060	96	**047942** **047943**	**042037** **422588**	**045781** **044440**	16-17/32	15-1/4	19-27/32 19-19/32
11-7/16 11-1/2	064	98	**047944** **047945**	**042038** **042039**	**045784** **045787**			19-27/32
11-15/16 2	064L	100	**047946** **047947**	**042040** **422535**	**045790** **045793**			
12-7/16 12-1/2	068	102	**047948** **047949**	**046498** **046499**	**046567** **046568**	16-3/32	14-13/16	19-13/32
12-15/16 13	072	104	**047950** **047951**	**042090** **042091**	**045796** **045799**	17-7/16	16-15/64	20-33/64
13-7/16 13-1/2	072L	106	**047952** **047953**	**042092** **042093**	**045802** **045805**			
13-15/16 14	076	108	**047954** **047955**	**042094** **042095**	**045808** **046569**			20-49/64
15 15-3/4	080 084	110 112	**047956** **047957**	**050474** **046566**	**046570** **046572**	18-5/8	17-27/64	21-31-32 22-15/64
9-7/16 9-1/2	3152	84	**043538** **422545**	**042510** **422594**	**040900** **040901**	13-55/64	13-7/16	18-1/4
10-7/16 10-1/2	3156	94	**047940** **047941**	**042036** **422573**	**045778** **042396**	16-17/32	15-11/64	19-41/64
10-15/16 11	3160	96	**047942** **047943**	**042037** **422588**	**045781** **044440**		15-1/4	19-27/32 19-19/32
11-15/16 12	3164	100	**047946** **047947**	**042040** **422535**	**045790** **045793**	17-7/16	16-5/32	20-3/4
12-7/16 12-1/2	3168	102	**047948** **047949**	**046498** **046499**	**046567** **046568**	18-5/8	17-23/64	21-15/16
13-7/16 13-1/2	3172	106	**047952** **047953**	**042092** **042093**	**045802** **045805**		17-27/64	21-23/32
13-15/16 14	3176	108	**047954** **047955**	**042094** **042095**	**045808** **046569**			21-31/32
8-15/16 9	3248	90	**043571** **043572**	**042544** **042545**	**040899** **040995**	14-25/32	13-7/16	18-1/4
9-7/16	3252	84	**043538** **422545**	**042510** **422594**	**040900** **040901**	15-31/64	15-1/16	19-7/8
10-7/16 10-1/2	3256	94	**047940** **047941**	**042036** **422573**	**045778** **042396**	16-17/32	15-11/64	19-41/64
10-15/16 11	3260	96	**047942** **047943**	**042037** **422588**	**045781** **044440**	17-7/16	16-5/32	20-3/4 20-1/2
11-15/16 12	3264	100	**047946** **047947**	**042040** **422535**	**045790** **045793**	18-5/8	17-23/64	21-15/16
12-7/16 12-1/2	3268	102	**047948** **047949**	**046498** **046499**	**046557** **046568**		17-23/64	21-61/64

* Includes Collar

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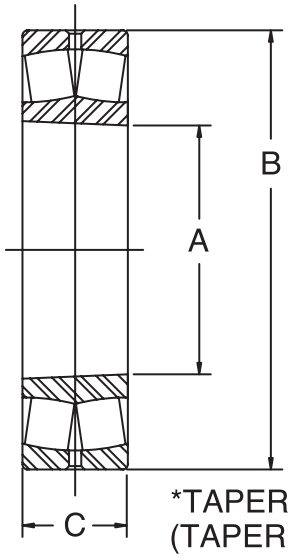
SELECTION/DIMENSIONS

USDAF 23000, 23100, 23200 Spherical Roller Bearings



*TAPERED BORE
(TAPER 1:12 ON DIAMETER)

Housing	Bearing Number	Part Number	Approx. Weight (lbs)	A* inch (mm)	B inch (mm)	C inch (mm)
060	23060K	**422582**	150	11.8110(300)	18.1102(460)	4.6457(118)
064/064L	23064K	**422531**	161	12.5984(320)	18.8976(480)	4.7638(121)
068	23068K	**421282**	218	13.3858(340)	20.4724(520)	5.2362(133)
072/072L	23072K	**422036**	226	14.1732(360)	21.2598(540)	5.2756(134)
076	23076K	**422054**	240	14.9606(380)	22.0472(560)	5.3150(135)
080	23080K	**421283**	309	15.7480(400)	23.6220(600)	5.8268(148)
084	20384K	**421284**	330	16.5354(420)	24.4094(620)	5.9055(150)
3152	23152K	**421294**	192	10.2362(260)	17.3228(440)	5.6693(144)
3156	23156K	**421285**	205	11.0236(280)	18.1102(460)	5.7488(146)
3160	23160K	**421286**	268	11.8110(300)	19.6850(500)	6.2992(160)
3164	23164K	**421287**	350	12.5984(320)	21.2598(540)	6.9291(176)
3168	23168K	**052081**	440	13.3858(340)	22.8346(580)	7.4803(190)
3172	23172K	**421288**	463	14.1732(360)	23.6220(600)	7.5590(192)
3176	23176K	**421289**	487	14.9606(380)	24.4094(620)	7.6378(194)
3248	23248K	**422511**	225	9.4488(240)	17.3228(440)	6.2992(160)
3252	23252K	**421290**	295	10.2362(260)	18.8976(480)	6.8504(174)
3256	23256K	**421291**	311	11.0236(280)	19.6850(500)	6.9291(176)
3260	23260K	**421292**	405	11.8110(300)	21.2598(540)	7.5590(192)
3264	23264K	**422844**	519	12.5984(320)	22.8346(580)	8.1890(208)
3268	23268K	**421293**	629	13.3858(340)	24.4094(620)	8.8189(224)

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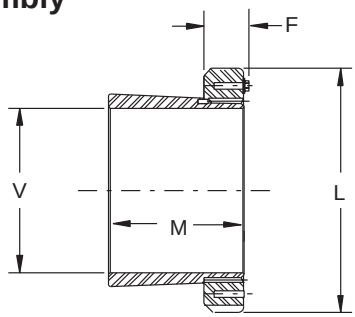
DODGE®

USDAF SNP Adapter Assembly



Housing	Bearing Number	SNP Number	Part Number	Approx Weight (Lbs)	V Shaft Size (In.)	L (In.)	F Max (In.)	M (In.)
60	23060K	SNP3060-1015 SNP3060-1100	**043581** **422576**	59.0 56.8	10-15/16 11	14.19	1.94	6.72
64	23064K	SNP3064-1107 SNP3064-1108	**043582** **043583**	82.7 80.5	11-7/16 11-1/2	15.01	2.03	6.94
064L		SNP3064-1115 SNP3064-1200	**043584** **422525**	65.0 62.5	11-15/16 12			
68	23068K	SNP3068-1207 SNP3068-1208	**047632** **047635**	78.0 75.4	12-7/16 12-1/2	15.76	2.16	7.53
72	23072K	SNP3072-1215 SNP3072-1300	**043635** **043636**	107.7 105.0	12-15/16 13			
072L		SNP3072-1307 SNP3072-1308	**043637** **043638**	86.0 83.2	13-7/16 13-1/2	16.51	2.16	7.57
76	23076K	SNP3076-1315 SNP3076-1400	**043639** **043640**	94.3 91.5	13-15/16 14	17.76	2.36	7.73
80	23080K	SNP3080-1500	**040830**	100.0	15	18.51	2.52	8.4
84	23084K	SNP3084-1512	**047636**	105.0	15-3/4	19.32	2.52	8.49
3152	23152K	SNP3152-907 SNP3152-908	**047630** **047631**	44.0 42.0	9-7/16 9-1/2	12.19	1.77	7.58
3156	23156K	H3156-SNP-1007 H3156-SNP-1008	**045431** **047637**	30.06 28.4	10-7/16 10-1/2	13.01	1.85	7.76
3160	23160K	H3160-SNP-1015 H3160-SNP-1100	**047638** **045464**	65.0 62.4	10-15/16 11	14.19	1.94	8.37
3164	23164K	H3164-SNP-1115 H3164-SNP-1200	**047639** **050531**	74.0 71.0	11-15/16 12	15.01	2.03	9.1
3168	23168K	H3168-SNP-1207 H3168-SNP-1208	**047641** **047642**	117.2 113.8	12-7/16 12-1/2	15.76	2.16	9.78
3172	23172K	H3172-SNP-1307 H3172-SNP-1308	**047643** **045434**	120.0 116.3	13-7/16 13-1/2	16.51	2.16	9.85
3176	23176K	H3176-SNP-1315 H3176-SNP-1400	**047644** **047645**	125.0 121.1	13-15/16 14	17.76	2.36	10.06
3248	23248K	SNP-148-815 SNP-148-900	**047628** **047629**	48.5 46.5	8-15/16 9	11.44	1.7	8.1
3252	23252K	H3252-SNP-907 H3252-SNP-908	**047646** **047647**	54.5 52.2	9-7/16 9-1/2	12.19	1.75	8.76
3256	23256K	H3256-SNP-1007 H3256-SNP-1008	**047648** **047649**	59.0 56.4	10-7/16 10-1/2	13.01	1.85	8.94
3260	23260K	H3260-SNP-1015 H3260-SNP-1100	**047678** **047679**	69.5 65.5	10-15/16 11	14.19	1.94	9.63
3264	23264K	H3264-SNP-1115 H3264-SNP-1200	**047680** **422843**	98.0 94.5	11-15/16 12	15.01	2.03	10.36
3268	23268K	H3268-SNP-1207 H3268-SNP-1208	**047681** **047682**	132.1 128.2	12-7/16 12-1/2	15.76	2.16	11.12

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SELECTION/DIMENSIONS

DODGE®

USAF 600 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

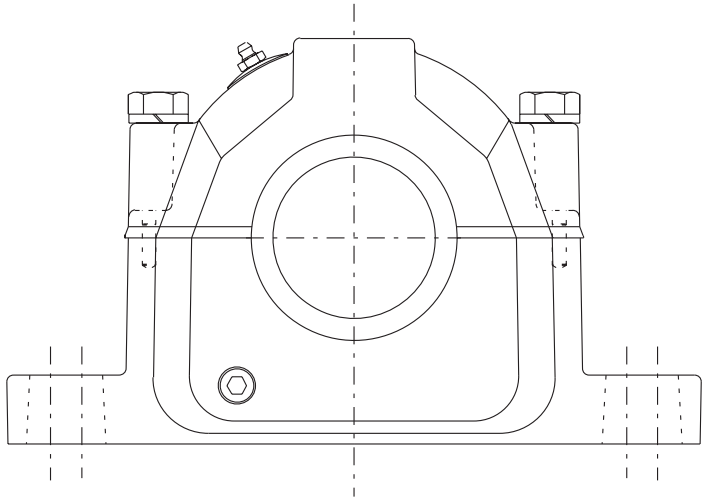

Table 17: Radial & Thrust Factors For USAF Spherical Bearings

Shaft Size		Bearing Series	e	FA/FR≤ e		FA/FR>e		Adapter Maximum Allowable Thrust Load Pound †	Dynamic Capacity (C) Pounds	Static Capacity (Co) Lbs.	Maximum RPM	
Adapter Mounted Inches	Direct Mount mm			X	Y	X	Y				Grease	Oil
1-11/16	50	22310	.36	1	1.9	0.67	2.8	1348	51,000	50,000	3400	4300
1-15/16	55	22311	.36	1	1.9	0.67	2.8	1672	60,000	58,500	3200	4000
	60	22312	.35	1	1.9	0.67	3	-	69,500	69,500	2800	3600
2-3/16	65	22313	.34	1	2	0.67	3	2104	78,000	81,500	2600	3400
	70	22314	.34	1	2	0.67	3	-	86,500	86,500	2400	3200
2-7/16	75	22315	.34	1	2	0.67	3	2782	100,000	102,000	2200	3000
2-11/16	80	22316	.34	1	2	0.67	3	3128	112,000	114,000	2200	3000
2-15/16	85	22317	.33	1	2	0.67	3	3438	122,000	125,000	2000	2800
3-7/16	100	22320	.34	1	2	0.67	3	4920	183,000	208,000	1700	2200
3-15/16	110	22322	.33	1	2.1	0.67	3.1	5934	212,000	240,000	1500	1900
4-3/16	120	22324	.33	1	2.1	0.67	3.1	6959	240,000	265,000	1400	1800
4-7/16	130	22326	.33	1	2.1	0.67	3.1	8152	280,000	310,000	1300	1700
4-15/16	140	22328	.34	1	2	0.67	3	9628	325,000	365,000	1200	1600
5-3/16	150	22330	.33	1	2	0.67	3	10923	365,000	415,000	1100	1500
5-7/16	160	22332	.37	1	1.8	0.67	2.7	12298	325,000	365,000	1000	1400
5-15/16	170	22334	.37	1	1.8	0.67	2.7	13755	360,000	475,000	950	1300
6-15/16	190	22338	.28	1	2.4	0.67	3.6	11786	270,000	415,000	1200	1300
7			.37	1	1.8	0.67	2.7	16910	415,000	570,000	850	1100

If the thrust load exceeds adapter maximum allowable thrust load, auxiliary methods of carrying thrust are required.

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DODGE®

USAF 600 Adapter Mount Pillow Block with TRIPLE-TECT Seal Assembly

Shaft Dia S-1	Complete Pillow Block Part #	Housing W/ Stab Ring Part No.	Bearing Part No.	Dynamic Capacity (C), lbs.”	Max RPM (Grease)	SNW Part No.	TRIPLE-TECT Part No.	TTDN Part No.	# LER Part No.	End Cover
1-11/16	P2B610-USAF-111TT 035929	H2S-610-USAF 035431	BRG22310KC3 423372	42,500	3,400	H2310-SNW-111 046680	10TT111 043579	---	10LER111 * 042199	EC10 040701
1-15/16	P2B611-USAF-115TT 039404	H2S-611-USAF 039760	BRG22311KC3 423102	50,000	3,200	H2311-SNW-115 046551	12TT115 043540	12TTDN115 039582	12LER115 042512	EC12 040702
	P4B611-USAF-115TT 039413	H4S-611-USAF 039762	BRG22311KC3 423102	50,000	3,200	H2311-SNW-115 046551	12TT115 043540	12TTDN115 039582	12LER115 042512	EC12 040702
2-3/16	P2B613-USAF-203TT 039405	H2S-613-USAF 039764	BRG22313KC3 423104	65,500	2,600	H2313-SNW-203 046552	14TT203 043541	14TTDN203 039583	14LER203 042513	EC14 040703
	P4B613-USAF-203TT 039414	H4S-613-USAF 039766	BRG22313KC3 423104	65,500	2,600	H2313-SNW-203 046552	14TT203 043541	14TTDN203 039583	14LER203 042513	EC14 040703
2-7/16	P2B615-USAF-207TT 039406	H2S-615-USAF 039768	BRG22315KC3 423106	83,000	2,200	H2315-SNW-207 046553	20TT207 043542	20TTDN207 039538	20LER207 042514	EC20 040704
	P4B615-USAF-207TT 039415	H4S-615-USAF 039770	BRG22315KC3 423106	83,000	2,200	H2315-SNW-207 046553	20TT207 043542	20TTDN207 039538	20LER207 042514	EC20 040704
2-11/16	P2B616-USAF-211TT 035930	H2S-616-USAF 035432	BRG22316KC3 423373	93,000	2,200	H2316-SNW-211 046682	24TT211 043544	24TTDN211 039855	24LER211 042516	EC24 040705
	P4B616-USAF-211TT 035931	H4S-616-USAF 035433	BRG22316KC3 423373	93,000	2,200	H2316-SNW-211 046682	24TT211 043544	24TTDN211 039855	24LER211 042516	EC24 040705
2-15/16	P2B617-USAF-215TT 039407	H2S-617-USAF 039772	BRG22317KC3 423108	102,000	2,000	H2317-SNW-215 046554	28TT215 043546	28TTDN215 039530	28LER215 042518	EC28 040706
	P4B617-USAF-215TT 039416	H4S-617-USAF 039774	BRG22317KC3 423108	102,000	2,000	H2317-SNW-215 046554	28TT215 043546	28TTDN215 039530	28LER215 042518	EC28 040706
3-7/16	P4B620-USAF-307TT 039417	H4S-620-USAF 039776	BRG22320KC3 423110	146,000	1,700	H2320-SNW-307 046555	46TT307 043549	46TTDN307 039859	46LER307 042521	EC46 040708
3-15/16	P4B622-USAF-315TT 039418	H4S-622-USAF 039778	BRG22322KC3 423112	180,000	1,500	H2322-SNW-315 046556	50TT315 043551	50TTDN315 039861	50LER315 042523	EC50 040709
4-3/16	P4B624-USAF-403TT 039419	H4S-624-USAF 039780	BRG22324KC3 422140	204,000	1,400	H2324-SNW-403 046557	52TT403 043553	52TTDN403 039863	52LER403 042525	EC52 040710
4-7/16	P4B626-USAF-407TT 039420	H4S-626-USAF 039781	BRG22326KC3 423114	236,000	1,300	H2326-SNW-407 046558	54TT407 043554	54TTDN407 039864	54LER407 042526	EC54 040711
4-15/16	P4B628-USAF-415TT 039421	H4S-628-USAF 039553	BRG22328KC3 422035	275,000	1,200	H2328-SNW-415 046559	56TT415 043556	56TTDN415 039866	56LER415 042528	EC56 040712
5-3/16	P4B630-USAF-503TT 039422	H4S-630-USAF 039782	BRG22330KC3 423116	310,000	1,100	H2330-SNW-503 046560	58TT503 043558	---	58LER503 042530	EC58 040713
5-7/16	P4B632-USAF-507TT 039423	H4S-632-USAF 039783	BRG22332KC3 423118	325,000	1,000	H2332-SNW-507 046561	60TT507 043559	---	60LER507 042531	EC60 040714
5-15/16	P4B634-USAF-515TT 039424	H4S-634-USAF 039784	BRG22334KC3 423120	360,000	950	H2332-SNW-515 046562	64TT515 043560	---	64LER515 042533	EC64 040681
6	P4B634-USAF-600TT 039425	H4S-634-USAF 039784	BRG22334KC3 423120	360,000	950	H2334-SNW-600 046563	64TT600 043561	---	64LER600 042534	EC64 040681
6-15/16	P4B638-USAF-615TT 039426	H4S-638-USAF 039785	BRG22338KC3 423122	415,000	850	H2338-SNW-615 046564	72TT615 043564	---	72LER615 042537	EC72 040683
7	P4B638-USAF-700TT 039427	H4S-638-USAF 039785	BRG22338KC3 423122	415,000	850	H2338-SNW-700 046565	72TT700 043565	---	72LER700 042538	EC72 040683

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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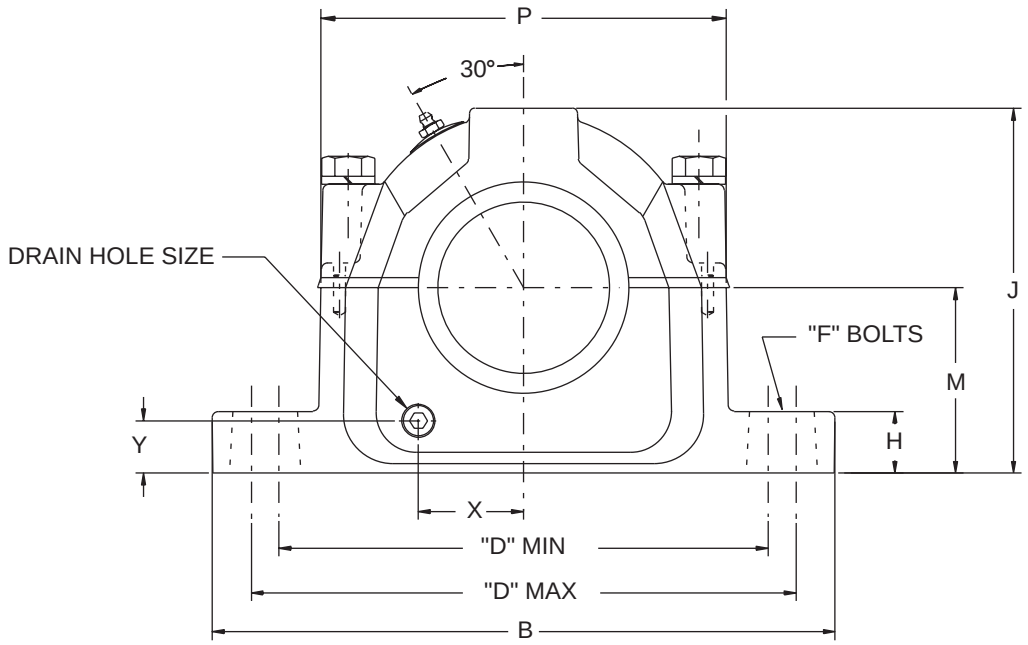
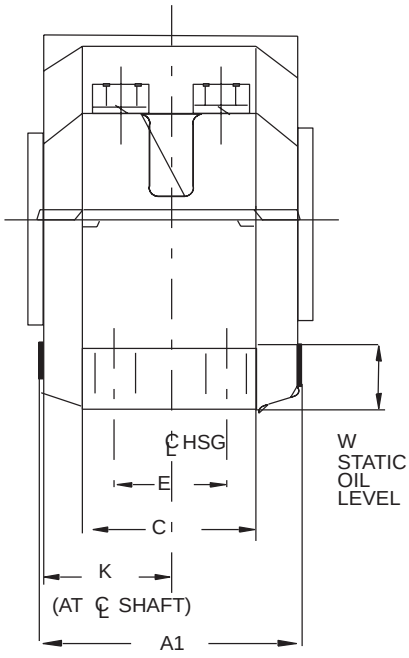
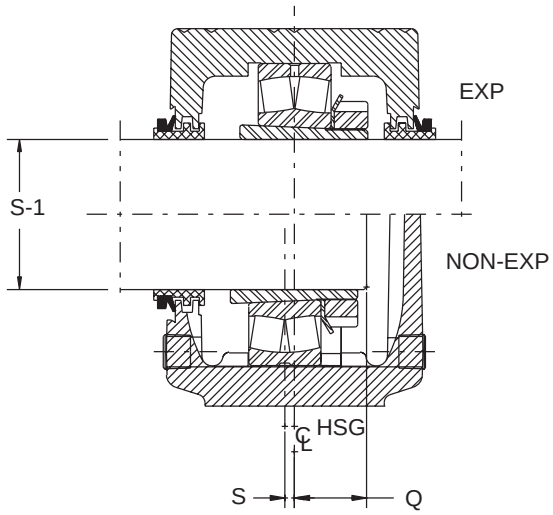
SELECTION/DIMENSIONS

USAF 600 Housing Dimensions - Inch







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USAF 600 Housing Dimensions - Inch

S1 Shaft Size	Housing	A1 ▲	B	C	D				E	F	
					2-Bolt		4-Bolt			Bolt Dia.	
					Min	Max	Min	Max		2-Bolt	4-Bolt
1-11/16	610	4-45/64	10-5/8	2-3/4	7-3/4	9	-	-	-	5/8	-
1-15/16	611	4-41/64	11	3-1/8	8-1/8	9-1/2	8-1/8	9-1/2	1-7/8	5/8	1/2
2-3/16	613	5-7/16	12-19/32	3-1/2	9-5/8	11	9-5/8	11	2-1/8	3/4	5/8
2-7/16	615	6-5/32	13-5/8	3-7/8	10-1/4	11-3/4	10-3/8	11-5/8	2-1/8	3/4	5/8
2-11/16	616	6-3/8	14-11/64	3-7/8	10-7/8	12-3/8	10-5/8	12-1/2	2-1/8	3/4	5/8
2-15/16	617	6-25/32	15-23/64	4-11/32	11-5/8	13-1/8	11-5/8	13-1/8	2-3/8	7/8	3/4
3-7/16	620	8-3/64	16-1/2	4-23/32	-	-	13-1/4	14-1/2	2-3/4	-	3/4
3-15/16	622	8-17/64	18-3/8	5-1/8	-	-	14-1/2	16	3-1/4	-	7/8
4-3/16	624	9-23/64	20-7/8	6-1/4	-	-	16-3/4	18-1/4	3-3/4	-	1
4-7/16	626	9-59/64	21-21/32	6-1/4	-	-	17-3/8	19-1/4	3-3/4	-	1
4-15/16	628	9-29/32	24-3/4	6-3/4	-	-	19-3/8	21-5/8	4-1/4	-	1
5-3/16	630	10-13/32	26-3/4	7-1/8	-	-	20-7/8	23-5/8	4-5/8	-	1
5-7/16	632	10-13/16	28	7-1/2	-	-	21-5/8	24-3/8	4-1/2	-	1-1/4
5-15/16 6	634	11-17/32	28-3/4	8	-	-	22-1/2	25	5	-	1-1/4
6-15/16 7	638	12-19/64	32-3/4	8-7/8	-	-	24-3/4	27-7/8	5-1/4	-	1-1/2

S-1 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
1-11/16	610	1-13/32	5-23/32	2-13/64	3	6-1/8	1-3/8	7/32	1-3/8	1-17/32	63/64	1/8-27NPSI
1-15/16	611	1-9/32	6-3/16	2-5/32	3-1/4	6-1/2	1-27/64	1/8	1-7/16	1-21/32	1-1/32	1/8-27NPSI
2-3/16	613	1-1/16	6-3/4	2-27/64	3-1/2	7-15/16	1-37/64	3/16	1-13/32	1-31/32	61/64	1/4-18NPSF
2-7/16	615	1-7/16	7-3/4	2-27/32	4	8-21/32	1-49/64	3/16	1-19/32	2-1/4	1-1/8	3/8-18NPSF
2-11/16	616	1-7/32	8-1/4	2-61/64	4-1/4	9-1/32	1-53/64	3/16	1-11/16	2-3/8	1-11/64	3/8-18NPSF
2-15/16	617	1-21/32	8-3/4	3-5/32	4-1/2	9-25/32	1-29/32	3/16	1-3/4	2-5/8	1-1/4	3/8-18NPSF
3-7/16	620	1-1/2	10-1/4	3-41/64	5-1/4	11-1/4	2-19/64	3/16	2-1/32	3-3/16	1-3/8	1/2-14NPSF
3-15/16	622	2-1/16	11-17/32	3-3/4	6	12-13/32	2-1/2	3/16	2-13/32	3-5/16	1-5/8	1/2-14NPSF
4-3/16	624	2-3/8	12-1/2	4-21/64	6-5/16	14-5/16	2-41/64	3/16	2-3/8	3-19/32	1-21/64	1/2-14NPSF
4-7/16	626	2-11/32	13-5/16	4-5/8	6-11/16	14-29/32	2-27/32	3/16	2-7/16	4-1/32	1-21/64	1/2-14NPSF
4-15/16	628	2-7/8	14-9/16	4-5/8	7-1/16	16-13/16	3-3/32	3/16	2-9/16	4-5/32	1-21/64	1/2-14NPSF
5-3/16	630	3	15-1/8	4-7/8	7-1/2	17-3/16	3-17/64	3/16	2-5/8	4-7/32	1-5/8	1/2-14NPSF
5-7/16	632	3-1/8	15-13/16	5-1/16	7-7/8	18	3-7/16	3/16	2-11/16	4-3/4	1-39/64	1/2-14NPSF
5-15/16 6	634	3-3/8	16-5/8	5-7/16	8-1/4	19	3-19/32	3/16	2-3/4	4-29/32	1-17/32	1/2-14NPSF
6-15/16 7	638	3-3/4	18-7/8	5-13/16	9-1/2	21-1/4	3-57/64	3/16	3-3/8	5-7/16	2-1/32	1/2-14NPSF

▲ Housing width with drain plugs

★ Distance shaft should extend beyond housing centerline if pillow block is closed end style

● Non-expansion bearing offset from centerline. For expansion bearing S = 0.

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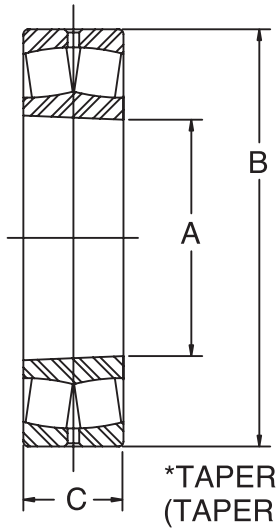
SELECTION/DIMENSIONS

DODGE®

USAF 22300K Spherical Roller Bearings



*TAPERED BORE
(TAPER 1:12 ON DIAMETER)

Shaft Size (Inch)	Housing	Bearing No.	Part No.	Approx. Wt (lbs)	A* Inch (mm)	B Inch (mm)	C Inch (mm)
1-7/16	609	22309K	**423100**	3.0	1.7717 (45)	3.9370 (100)	1.4171 (36)
1-11/16	610	22310K	**423372**	3.9	1.9685 (50)	4.3307 (110)	1.5748 (40)
1-15/16	611	22311K	**423102**	5.1	2.1654 (55)	4.7244 (120)	1.6929 (43)
2-3/16	613	22313K	**423104**	7.8	2.5591 (65)	5.5118 (140)	1.8898 (48)
2-7/16	615	22315K	**423106**	11.5	2.9528 (75)	6.2992 (160)	2.1654 (55)
2-11/16	616	22316K	**423373**	13.1	3.1496 (80)	6.6929 (170)	2.2835 (58)
2-15/16	617	22317K	**423108**	15.7	3.3465 (85)	7.0866 (180)	2.3622 (60)
3-7/16	620	22320K	**423110**	28.0	3.9370 ((100)	8.4646 (215)	2.8740 (73)
3-15/16	622	22322K	**423112**	38.8	4.3307 (110)	9.4488 (240)	3.1496 (80)
4-3/16	624	22324K	**422140**	48.3	4.7244 (120)	10.2362 (260)	3.3858 (86)
4-7/16	626	22326K	**423114**	59.7	5.1181 (130)	11.0236 (280)	3.6614 (93)
4-15/16	628	22328K	**422035**	75.4	5.5118 (140)	11.8110 (300)	4.0157 (102)
5-3/16	630	22330K	**423116**	90.4	5.9055 (150)	12.5984 (320)	4.2520 (108)
5-7/16	632	22332K	**423118**	113.0	6.2992 (160)	13.3858 (340)	4.4882 (114)
5-15/16 6	634	22334K	**423120**	132.0	6.6929 (170)	14.1732 (360)	4.7244 (120)
6-15/16 7	638	22338K	**423122**	179.0	7.4803 (190)	15.7480 (400)	5.1969 (132)

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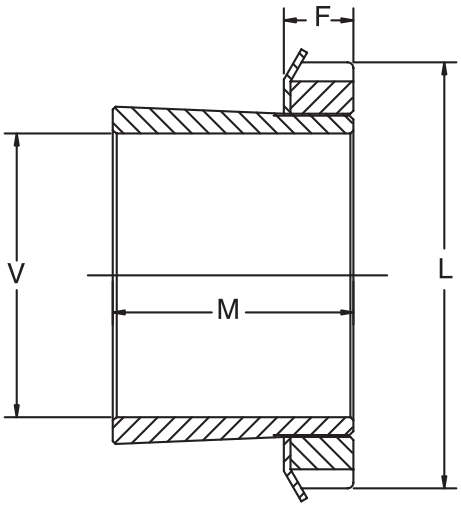
DODGE®

USAF 600 Adapter Assembly (SNW)



V Shaft Dia. (Inch)	Housing	Adapter Number	Part Number	Aprox. Wt (Lbs)	L (in)	F Max (In)	M (In)
1-7/16	609	H2309-107	**046550**	.63	2.53	.52	1.97
1-11/16	610	H2310-111	**046680**	.80	2.69	.58	2.17
1-15/16	611	H2311-115	**046551**	.86	2.97	.58	2.32
2-3/16	613	H2313-203	**046552**	1.5	3.38	.64	2.56
2-7/16	615	H2315-207	**046553**	2.55	3.88	.69	2.87
2-11/16	616	H2316-211	**046682**	3.0	4.16	.69	3.07
2-15/16	617	H2317-215	**046554**	3.2	4.41	.72	3.23
3-7/16	620	H2320-307	**046555**	5.3	5.19	.83	3.82
3-15/16	622	H2322-315	**046556**	5.75	5.72	.86	4.13
4-3/16	624	H2324-403	**046557**	7.4	6.12	.92	4.41
4-7/16	626	H2326-407	**046558**	10.7	6.75	.95	4.76
4-15/16	628	H2328-415	**046559**	12.0	7.09	1.02	5.16
5-3/16	630	H2330-503	**046560**	15.6	7.69	1.08	5.47
5-7/16	632	H2332-507	**046561**	21.7	8.06	1.14	5.79
5-15/16	634	H2334-515	**046562**	22.0	8.66	1.23	8.06
6		H2334-600	**046563**	21.0			
6-15/16	638	H2338-615	**046564**	22.9	9.47	1.30	6.65
7		H2338-700	**046565**	21.6			

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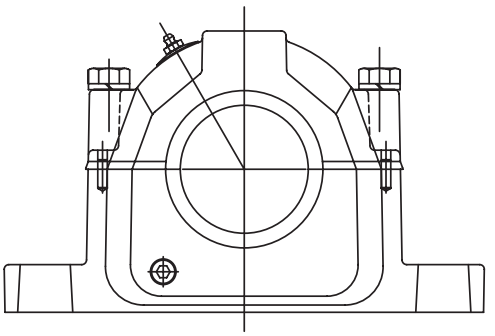
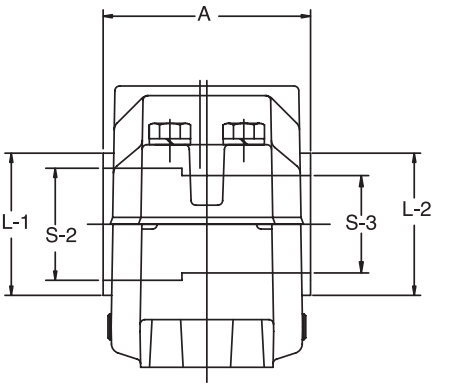
SELECTION/DIMENSIONS

USAF 200 Direct Mount Pillow Block with TRIPLE-TECT Seal Assembly





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DODGE®

USAF 200 Direct Mount Pillow Block with TRIPLE-TECT Seal Assembly

Shaft Dia. S-2	Shaft Dia. S-3	Bearing Bore mm.	Complete Pillow Block Part #	Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs.	Max RPM (Grease)	Locknut Part No.
3-7/16	2-13/16	75	P2B215-USAF-307TT 039175	H2S-215-USAF 039682	BRG22215C3 421265	41,500	3,400	AN15 460901
			P4B215-USAF-307TT 039177	H4S-215-USAF 039684	BRG22215C3 421265	41,500	3,400	AN15 460901
3-5/8	3	80	P2B216-USAF-310TT 039179	H2S-216-USAF 039686	BRG22216C3 421266	46,500	3,200	AN16 460902
			P4B216-USAF-310TT 039181	H4S-216-USAF 039688	BRG22216C3 421266	46,500	3,200	AN16 460902
3-15/16	3-3/16	85	P2B217-USAF-315TT 039183	H2S-217-USAF 039690	BRG22217C3 421267	58,500	3,000	AN17 460903
			P4B217-USAF-315TT 039185	H4S-217-USAF 039692	BRG22217C3 421267	58,500	3,000	AN17 460903
4-1/8	3-3/8	90	P2B218-USAF-402TT 039187	H2S-218-USAF 039694	BRG22218C3 421268	64,000	2,600	AN18 460904
			P4B218-USAF-402TT 039189	H4S-218-USAF 039696	BRG22218C3 421268	64,000	2,600	AN18 460904
4-1/2	3-13/16	100	P2B220-USAF-408TT 039191	H2S-220-USAF 039698	BRG22220C3 421269	80,000	2,200	AN20 460905
			P4B220-USAF-408TT 039193	H4S-220-USAF 039700	BRG22220C3 421269	80,000	2,200	AN20 460905
4-7/8	4-3/16	110	P4B222-USAF-414TT 039195	H4S-222-USAF 039702	BRG22222C3 421270	102,000	2,000	AN22 460906
5-5/16	4-9/16	120	P4B224-USAF-505TT 039197	H4S-224-USAF 039704	BRG22224C3 421271	120,000	1,900	AN24 041071
5-7/8	4-15/16	130	P4B226-USAF-514TT 039199	H4S-226-USAF 039706	BRG22226C3 421272	143,000	1,800	AN26 041064
6-1/4	5-5/16	140	P4B228-USAF-604TT 039201	H4S-228-USAF 039708	BRG22228C3 421273	166,000	1,700	AN28 041065
6-5/8	5-3/4	150	P4B230-USAF-610TT 039203	H4S-230-USAF 039710	BRG22230C3 421274	190,000	1,600	AN30 041072
7	6-1/16	160	P4B232-USAF-700TT 039205	H4S-232-USAF 039711	BRG22232C3 421275	216,000	1,500	AN32 041066
7-7/16	6-7/16	170	P4B234-USAF-707TT 039207	H4S-234-USAF 039712	BRG22234C3 421276	250,000	1,300	AN34 041067
7-13/16	6-7/8	180	P4B236-USAF-713TT 039209	H4S-236-USAF 039713	BRG22236C3 421277	255,000	1,300	AN36 041070
8-3/8	7-1/4	190	P4B238-USAF-806TT 039211	H4S-238-USAF 039714	BRG22238C3 421278	270,000	1,200	AN38 041068
8-3/4	7-5/8	200	P4B240-USAF-812TT 039213	H4S-240-USAF 039715	BRG22240C3 421279	300,000	900	AN40 040838
9-9/16	8-5/16	220	P4B244-USAF-909TT 039215	H4S-244-USAF 039716	BRG22244C3 421280	365,000	950	AN44 041069

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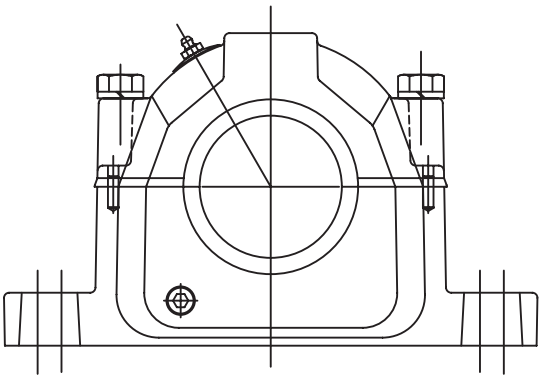
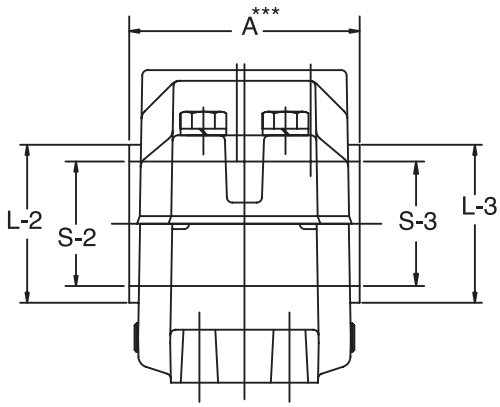
SELECTION/DIMENSIONS

USAF 200 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly





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USAF 200 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly

Shaft Dia.		Bearing Bore	Lock washer	TRIPLE-TECT Part No.		TTDN Part No.		# LER Part No.		End Cover
S-2	S-3	mm.	Part No.	S2	S3	S2	S3	S2	S3	Part No.
3-7/16	2-13/16	75	W15 419150	33TT307 046401	24TT213 046400	33TTDN307 039568	24TTDN213 039289	33LER307 *045928	24LER213 *045927	EC24 040705
			W15 419150	33TT307 046401	24TT213 046400	33TTDN307 039568	24TTDN213 039289	33LER307 045928	24LER213 045927	EC24 040705
3-5/8	3	80	W16 419152	38TT310 046402	28TT300 043547	38TTDN310 039291	28TTDN300 039857	38LER310 045931	28LER300 042519	EC28 040706
			W16 419152	38TT310 046402	28TT300 043547	38TTDN310 039291	28TTDN300 039857	38LER310 045931	28LER300 042519	EC28 040706
3-15/16	3-3/16	85	W17 419154	42TT315 046404	32TT303 046403	42TTDN315 039515	32TTDN303 039292	42LER315 042089	32LER303 042088	---
			W17 419154	42TT315 046404	32TT303 046403	42TTDN315 039515	32TTDN303 039292	42LER315 042089	32LER303 042088	---
4-1/8	3-3/8	90	W18 419156	44TT402 046406	36TT306 046405	---	---	44LER402 *045936	36LER306 *045934	---
			W18 419156	44TT402 046406	36TT306 046405	---	---	44LER402 *045936	36LER306 *045934	---
4-1/2	3-13/16	100	W20 419158	54TT408 043555	50TT313 046407	---	---	54LER408 042527	50LER313 045939	EC50 040709
			W20 419158	54TT408 043555	50TT313 046407	---	---	54LER408 042527	50LER313 045939	EC50 040709
4-7/8	4-3/16	110	W22 419160	56TT414 046408	52TT403 043553	56TTDN414 039297	52TTDN403 039863	56LER414 042098	52LER403 042525	EC52 040710
5-5/16	4-9/16	120	W24 419162	58TT510 046411	54TT409 046409	---	---	58LER505 042248	54LER409 045943	EC54 040711
5-7/8	4-18/16	130	W26 419164	62TT514 046410	56TT415 043556	---	---	62LER514 042085	56LER415 042528	EC56 040712
6-1/4	5-5/16	140	W28 419166	66TT604 046412	58TT505 046411	---	---	66LER604 042249	58LER505 042248	EC58 040713
6-5/8	5-3/4	150	W30 419168	70TT610 046414	62TT512 046413	---	---	70LER610 045951	62LER512 045949	---
7	6-1/16	160	W32 419170	72TT700 043565	64TT601 046415	---	---	72LER700 042538	64LER601 042953	EC64 040681
7-7/16	6-7/16	170	W34 419172	76TT707 046416	68TT607 043562	---	---	76LER707 042049	68LER607 042535	EC68 040682
7-13/16	6-7/8	180	W36 419174	78TT711 046417	72TT614 046418	---	---	78LER711 042221	72LER614 042220	EC72 040683
8-3/8	7-1/4	190	W38 419176	80TT806 046420	74TT704 046419	---	---	*80LER806 042031	*74LER704 042032	---
8-3/4	7-5/8	200	W40 419171	82TT812 046423	76TT710 046422	---	---	*82LER812 045956	*76LER710 045955	EC76 040684
9-9/16	8-5/16	220	W44 419178	84TT909 046425	80TT805 046424	---	---	*84LER909 042029	*80LER805 042028	---

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.

If an * appears by the part number, the LER seal is manufactured from Steel.

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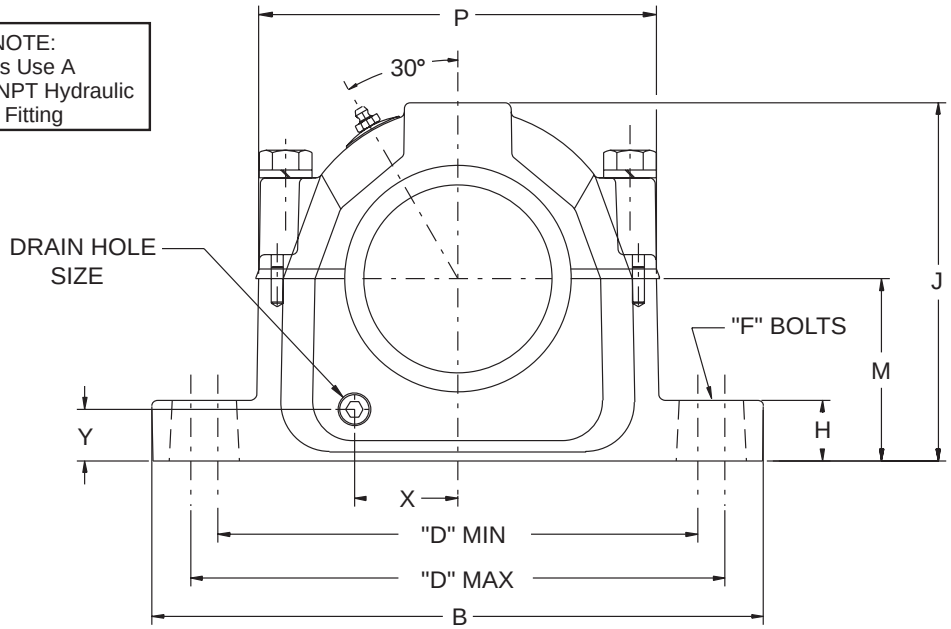
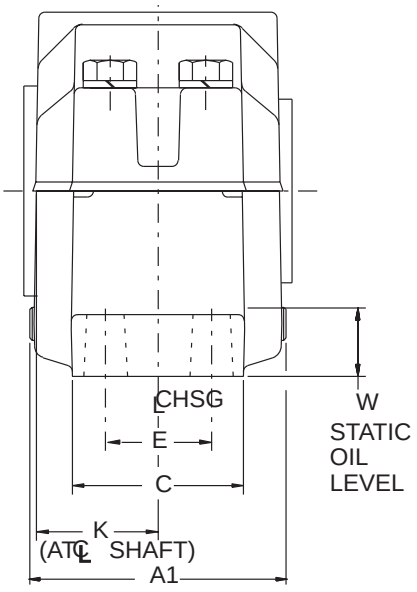
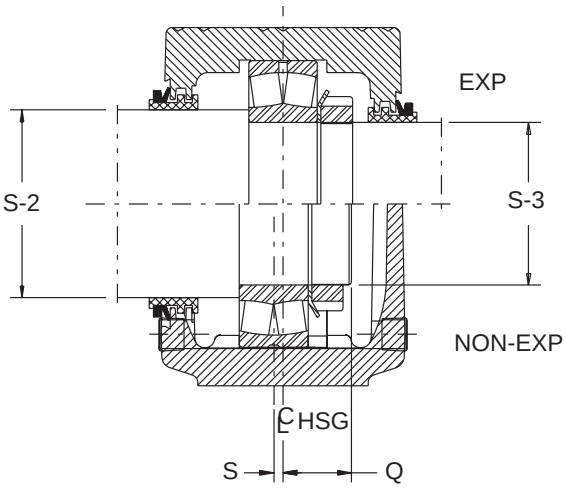
SELECTION/DIMENSIONS

USAF 200 Housing Dimensions - Inch

LUBE NOTE:
All Sizes Use A
1/8-27 NPT Hydraulic
Grease Fitting







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DODGE®

USAF 200 Housing Dimensions - Inch

S-2 Shaft Size	S-3 Shaft Size	Housing	A1 ▲	B	C	D				E	F	
						2-Bolt		4-Bolt			Bolt Dia.	
						Min	Max	Min	Max		H	J
3-7/16	2-13/16	215	5-13/64	11-1/8	3-1/8	8-5/8	9-5/8	8-5/8	9-5/8	1-7/8	5/8	1/2
3-5/8	3	216	5-7/16	12-19/32	3-1/2	9-5/8	11	9-5/8	11	2-1/8	3/4	5/8
3-15/16	3-3/16	217	5-25/64	12-19/32	3-1/2	9-7/8	11	9-7/8	11	2-1/8	3/4	5/8
4-1/8	3-3/8	218	6-5/32	13-5/8	3-7/8	10-1/4	11-3/4	10-3/8	11-5/8	2-1/8	3/4	5/8
4-1/2	3-13/16	220	6-25/32	15-23/64	4-11/32	11-5/8	13-1/8	11-5/8	13-1/8	2-3/8	7/8	3/4
4-7/8	4-3/16	222	7-5/64	16-1/2	4-3/4	-	-	12-19/32	14-1/2	2-3/4	-	3/4
5-5/16	4-9/16	224	8-3/64	16-1/2	4-23/32	-	-	13-1/4	14-1/2	2-3/4	-	3/4
5-7/8	4-15/16	226	8-17/64	18-3/8	5-1/8	-	-	14-1/2	16	3-1/4	-	7/8
6-1/4	5-5/16	228	8-49/64	19-11/16	5-7/8	-	-	15-5/8	17-3/8	3-3/8	-	1
6-5/8	5-3/4	230	9-23/64	20-7/8	6-1/4	-	-	16-3/4	18-1/4	3-3/4	-	1
7	6-1/16	232	9-59/64	21-21/32	6-1/4	-	-	17-3/8	19-1/4	3-3/4	-	1
7-7/16	6-7/16	234	9-29/32	24-3/4	6-3/4	-	-	19-3/8	21-5/8	4-1/4	-	1
7-13/16	6-7/8	236	10-13/32	26-3/4	7-1/8	-	-	20-7/8	23-5/8	4-5/8	-	1
8-3/8	7-1/4	238	10-13/16	28	7-1/2	-	-	21-5/8	24-3/8	4-1/2	-	1-1/4
8-3/4	7-5/8	240	11-17/32	28-3/4	8	-	-	22-1/2	25	5	-	1-1/4
9-9/16	8-5/16	244	12-19/64	32-3/4	8-7/8	-	-	24-3/4	27-7/8	5-1/4	-	1-1/2

S-2 Shaft Size	S-3 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
3-7/16	2-13/16	215	1-1/4	6-7/16	2-5/16	3-1/4	7-1/16	1-25/64	1/8	1-5/32	1-25/32	7/8	1/4-18NPSF
3-5/8	3	216	1-1/16	6-3/4	2-27/64	3-1/2	7-15/16	1-7/16	3/16	1-1/4	1-31/32	61/64	1/4-18NPSF
3-15/16	3-3/16	217	1-1/4	7-3/8	2-15/32	3-3/4	8-3/16	1-1/2	3/16	1-3/8	2-1/8	1-1/16	3/8-18NPSF
4-1/8	3-3/8	218	1-7/16	7-3/4	2-27/32	4	8-21/32	1-23/32	3/16	1-15/32	2-1/4	1-1/8	3/8-18NPSF
4-1/2	3-13/16	220	1-21/32	8-3/4	3-5/32	4-1/2	9-25/32	1-59/64	3/16	1-41/64	2-5/8	1-1/4	3/8-18NPSF
4-7/8	4-3/16	222	1-25/32	9-13/32	3-19/64	4-15/16	10-19/32	2-3/32	3/16	1-51/64	2-7/8	1-11/32	3/8-18NPSF
5-5/16	4-9/16	224	1-1/2	10-1/4	3-41/64	5-1/4	11-1/4	2-9/32	3/16	1-27/32	3-3/16	1-3/8	1/2-14NPSF
5-7/8	4-15/16	226	2-1/16	11-17/32	3-3/4	6	12-13/32	2-15/32	3/16	2-11/32	3-5/16	1-5/8	1/2-14NPSF
6-1/4	5-5/16	228	2-1/16	11-13/16	4	6	13-1/4	2-29/64	3/16	2-1/32	3-5/8	1-15/32	1/2-14NPSF
6-5/8	5-3/4	230	2-3/8	12-1/2	4-21/64	6-5/16	14-5/16	2-39/64	3/16	2-1/32	3-19/32	1-21/64	1/2-14NPSF
7	6-1/16	232	2-11/32	13-5/16	4-5/8	6-11/16	14-29/32	2-31/32	3/16	2-3/32	4-1/32	1-21/64	1/2-14NPSF
7-7/16	6-7/16	234	2-7/8	14-9/16	4-5/8	7-1/16	16-13/16	3-1/8	3/16	2-3/16	4-5/32	1-21/64	1/2-14NPSF
7-13/16	6-7/8	236	3	15-1/8	4-7/8	7-1/2	17-3/16	3-5/32	3/16	2-27/64	4-7/32	1-5/8	1/2-14NPSF
8-3/8	7-1/4	238	3-1/8	15-13/16	5-1/16	7-7/8	18	3-19/64	3/16	2-17/32	4-3/4	1-39/64	1/2-14NPSF
8-3/4	7-5/8	240	3-3/8	16-5/8	5-7/16	8-1/4	19	3-1/2	3/16	2-15/32	4-29/32	1-17/32	1/2-14NPSF
9-9/16	8-5/16	244	3-3/4	18-7/8	5-13/16	9-1/2	21-1/4	3-27/64	3/16	3-1/4	5-7/16	2-1/32	1/2-14NPSF

▲ Housing width with drain plugs

★ Distance shaft should extend beyond housing centerline if pillow block is closed end style

● Non-expansion bearing offset from centerline. For expansion bearing S = 0.

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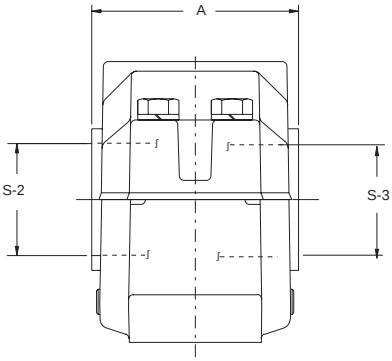
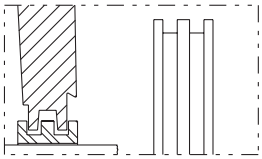
SELECTION/DIMENSIONS

DODGE®

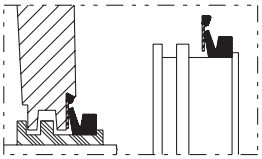
USAF 200 Pillow Block Seals

LENGTH THRU BORE W/SEALS

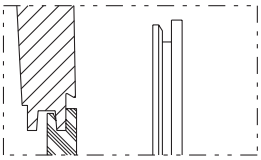




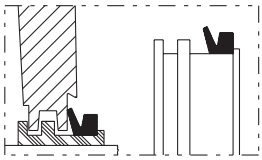
LER SEAL
High speed seal for relatively clean environments



DROP-IN TRIPLE-TECT Seal
DODGE exclusive. popular TRIPLE-TECT features with simplified installation.



END COVER Seal
Allows use of open shaft housing as closed-end



TRIPLE-TECT Seal
General purpose seal for wet or dirty environments

S-2 Shaft Size (Inch)	S-3 Shaft Size (Inch)	Housing	Seal Group		Part Number							A		
					TRIPLE-TECT (TT)		TRIPLE-TECT Drop-in (TTDN)		#Metal Labyrinth (LER)		End Cover Part No.	TT (Inch)	TTDN (Inch)	LER (Inch)
			S-2	S-3	S-2	S-3	S-2	S-3	S-2	S-3	S-2			
3-7/16	2-13/16	215	33	24	**046401**	**046400**	**039568**	**039289**	***045928**	***045927**	**040705**	5-3/32	5-3/32	4-15/32
3-5/8	3	216	38	28	**046402**	**043547**	**039291**	**039857**	**045931**	**042519**	**040706**	5-21/64	5-21/64	4-23/32
3-15/16	3-3/16	217	42	32	**046404**	**046403**	**039515**	**039292**	**042089**	**042088**	-	5-7/16	5-7/16	4-53/64
4-1/8	3-3/8	218	44	36	**046406**	**046405**	-	-	***045936**	***045934**	-	6-17/64	6-17/64	5-45/64
4-1/2	3-13/16	220	54	50	**043555**	**046407**	-	-	**042527**	**045939**	**040709**	6-27/32	6-27/32	6-5/16
4-7/8	4-3/16	222	56	52	**046408**	**043553**	**039297**	**039863**	**042098**	**042525**	**040710**	7-3/16	7-3/16	6-19/32
5-5/16	4-9/16	224	58	54	**046411**	**046409**	-	-	**042248**	**045943**	**040711**	7-29/32	7-29/32	7-5/16
5-7/8	4-15/16	226	62	56	**046410**	**043556**	-	-	**042085**	**042528**	**040712**	8-9/64	8-9/64	7-1/2
6-1/4	5-5/16	228	66	58	**046412**	**046411**	-	-	**042249**	**042248**	**040713**	8-17/32	8-17/32	7-7/8
6-5/8	5-3/4	230	70	62	**046414**	**046413**	-	-	**045951**	**045949**	-	9-13/32	9-13/32	8-45/64
7	6-1/16	232	72	64	**043565**	**046415**	-	-	**042538**	**045953**	**040681**	9-29/32	9-29/32	9-13/64
7-7/16	6-7/16	234	76	68	**046416**	**043562**	-	-	**042049**	**042535**	**040682**	9-53/64	9-53/64	9-1/8
7-13/16	6-7/8	236	78	72	**046417**	**046418**	-	-	**042221**	**042220**	**040683**	10-13/32	10-13/32	9-11/16
8-3/8	7-1/4	238	80	74	**046420**	**046419**	-	-	***042031**	***042032**	-	11	11	9-63/64
8-3/4	7-5/8	240	82	76	**046423**	**046422**	-	-	***045956**	***045955**	**040684**	11-25/32	11-25/32	10-23/32
9-9/16	8-5/16	244	84	80	**046425**	**046424**	-	-	***042029**	***042028**	-	12-19/64	12-19/64	11-13/32

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.

If an * appears by the part number, the LER seal is manufactured from Steel.

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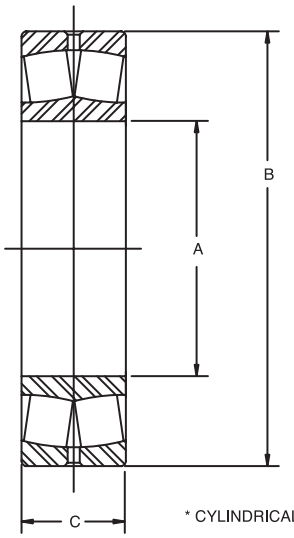
USAF 22200 Spherical Roller Bearings



Bearing Bore mm	Housing	Bearing No.	Part No.	Approx. Wt. (lbs)	A Inch (mm)	B Inch (mm)	C Inch (mm)
75	215	22215	**421265**	3.6	2.9528 (75)	5.1181 (130)	1.2205 (31)
80	216	22216	**421266**	4.4	3.1496 (80)	5.5118 (140)	1.2992 (33)
85	217	22217	**421267**	5.5	3.3465 (85)	5.9055 (150)	1.4173 (36)
90	218	22218	**421268**	7.1	3.5433 (90)	6.2992 (160)	1.5748 (40)
100	220	22220	**421269**	10.4	3.9370 (100)	7.0866 (180)	1.8110 (46)
110	222	22222	**421270**	14.8	4.3307 (110)	7.8740 (200)	2.0866 (53)
120	224	22224	**421271**	18.7	4.7244 (120)	8.4646 (215)	2.2835 (58)
130	226	22226	**421272**	23.1	5.1181 (130)	9.0551 (230)	2.5197 (64)
140	228	22228	**421273**	29.8	5.5118 (140)	9.8425 (250)	2.6772 (68)
150	230	22230	**421274**	35.5	5.9055 (150)	10.6299 (270)	2.8740 (73)
160	232	22232	**421275**	47.8	6.2992 (160)	11.4173 (290)	3.1496 (80)
170	234	22234	**421276**	58.0	6.6929 (170)	12.2047 (310)	3.3858 (86)
180	236	22236	**421277**	60.8	7.0866 (180)	12.5984 (320)	3.3858 (86)
190	238	22238	**421278**	82.2	7.4803 (190)	13.3858 (340)	3.6220 (92)
200	240	22240	**421279**	97.9	7.8740 (200)	14.1732 (360)	3.8583 (98)
220	244	22244	**421280**	135.0	8.6614 (220)	15.7480 (400)	4.2520 (108)

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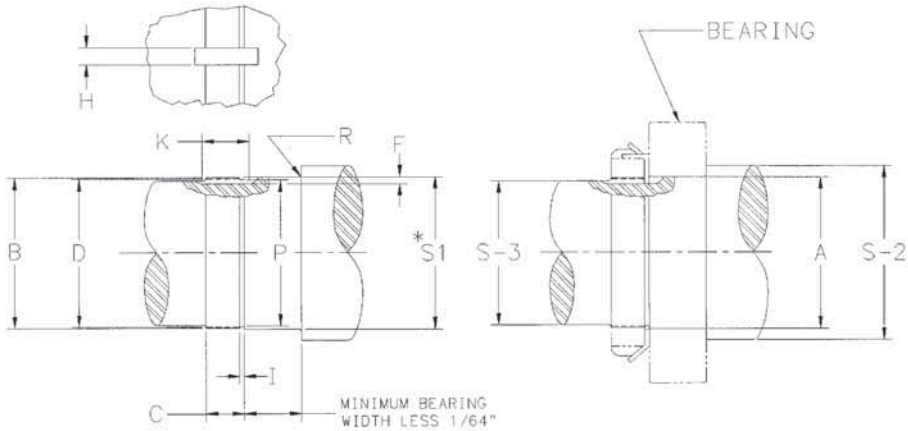
SELECTION/DIMENSIONS

DODGE®

USAF 200 Series Bearing Shaft Details



Nominal Bearing Bore Dia. (mm)	Shaft Bearing Seat Diameters (Inch)					
	Normal Load			High Load		
	* S-I		Mean Fit	* S-I		Mean Fit
	Max	Min		Max	Min	
75	2.9540	2.9532	.0011T	2.9543	2.9536	.0014T
80	3.1508	3.1501	.0012T	3.1511	3.1504	.0015T
85	3.3479	3.3470		3.3484	3.3475	
90	3.5447	3.5438		3.5452	3.5443	
95	3.7416	3.7407		3.7421	3.7412	
100	3.9384	3.9375	.0014T	3.9389	3.9380	.0019T
105	4.1353	4.1344		4.1358	4.1349	
110	4.3321	4.3312		4.33Z6	4.3317	
120	4.7258	4.7249		4.7263	4.7254	
125	4.9229	4.9219		4.9235	4.9225	
130	5.1197	5.1187		5.1203	5.1193	
140	5.5134	5.5124		5.5140	5.5130	
150	5.9071	5.9061	.0016T	5.9077	5.9067	.0022T
160	6.3008	6.2998		6.3014	6.3004	
170	6.6945	6.6935		6.6951	6.6941	
180	7.0882	7.0872		7.0888	7.0878	
190	7.4821	7.4809		7.4829	7.4817	.0026T
200	7.8758	7.8746	.0019T	7.8772	7.8760	.0032T
220	8.6632	8.6620		8.6646	8.6634	

Normal Load
P/C = 0.10 TO 0.18

High Load
P/C > 0.18

Where P= Equivalent dynamic load on the bearing (lbs.)
C= Basic dynamic load rating of bearing (lbs.)

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USAF 200 Series Bearing Shaft Details

USAF 22200 BEARING SHAFT DIMENSIONS - INCH								
Housing	Locknut & Washer Kit Part No.	A Brg Bore	S-2	S-3	Keyway			R Max Radius
					F Depth +1/64 -Ø	H Width +1/64 -Ø	K Full Depth Length	
215	**046756**	2.9528 (75mm)	3-7/16	2-13/16	1/8	5/16	15/16	0.059
216	**046757**	3.1496 (80 mm)	3-5/8	3	1/8	3/8	15/16	0.079
217	**046758**	3.3465 (85 mm)	3-15/16	3-3/16	1/8	3/8	31/32	0.079
218	**046759**	3.5433 (90 mm)	4-1/8	3-3/8	5/32	3/8	1-1/16	0.079
220	**046760**	3.9370 (100 mm)	4-1/2	3-13/16	5/32	3/8	1-3/16	0.079
222	**046761**	4.3307 (110 mm)	4-7/8	4-3/16	3/16	3/8	1-7/32	0.079
224	**046762**	4.7244 (120 mm)	5-5/16	4-9/16	3/16	3/8	1-1/4	0.079
226	**046763**	5.1181 (130 mm)	5-7/8	4-15/16	3/16	1/2	1-5/16	0.098
228	**046764**	5.5118 (140 mm)	6-1/4	5-5/16	3/16	5/8	1-3/8	0.098
230	**046765**	5.9055 (150 mm)	6-5/8	5-3/4	7/32	5/8	1-1/2	0.098
232	**046766**	6.2992 (160 mm)	7	6-1/16	15/64	5/8	1-9/16	0.098
234	**046767**	6.6929 (170 mm)	7-7/16	6-7/16	15/64	3/4	1-19/32	0.118
236	**046768**	7.0866 (180 mm)	7-13/16	6-7/8	15/64	3/4	1-5/8	0.118
238	**046769**	7.4803 (190 mm)	8-3/8	7-1/4	15/64	3/4	1-21/32	0.118
240	**046770**	7.8740 (200 mm)	8-3/4	7-5/8	15/64	7/8	1-23/32	0.118
244	**046771**	8.6614 (220 mm)	9-9/16	8-5/16	3/8	1-1/16	1-9/16	0.118

USAF 22200 BEARING SHAFT DIMENSIONS - INCH								
Housing	Threads Per Inch	B Thread Major Dia		D Thread Pitch Dia		C Thread Length +1/64 -0	I Thread Relief +1/64 -0	P † Thread Relief DIA.
		Max	Min	Max	Min			
215	12	2.9330	2.9218	2.8789	2.8735	11/16	5/32	2.7995
216	12	3.1370	3.1258	3.0829	3.0770	11/16	5/32	3.0035
217	12	3.3400	3.3288	3.2859	3.2800	23/32	5/32	3.2065
218	12	3.5270	3.5158	3.4729	3.4655	13/16	5/32	3.3935
220	12	3.9180	3.9068	3.8639	3.8565	7/8	5/32	3.7845
222	12	4.325	4.3138	4.2709	4.2626	29/32	5/32	4.1915
224	12	4.716	4.7048	4.6619	4.6536	15/16	5/32	4.5825
226	12	5.106	5.0948	5.0519	5.0436	1	5/32	4.9725
228	12	5.497	5.4858	5.4429	5.4346	1-1/16	5/32	5.3635
230	12	5.888	5.8768	5.8339	5.8256	1-1/8	5/32	5.7545
232	8	6.284	6.2688	6.2028	6.1937	1-3/16	1/4	6.0993
234	8	6.659	6.6438	6.5778	6.5687	1-7/32	1/4	6.4743
236	8	7.066	7.0508	6.9848	6.9757	1-1/4	1/4	6.8813
238	8	7.472	7.4568	7.3908	7.3817	1-9/32	1/4	7.2873
240	8	7.847	7.8318	7.7658	7.7544	1-11/32	1/4	7.6623
244	8	8.628	8.6128	8.5468	8.5347	1-3/8	1/4	8.4433

† Tolerance ±.005 through 2.6672 dia.; ±.010 for larger sizes

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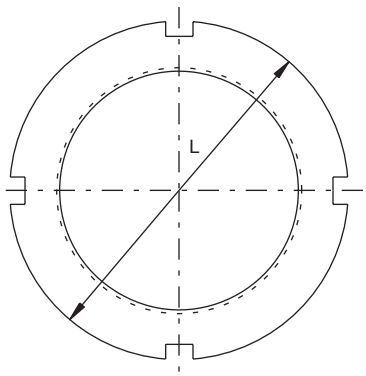
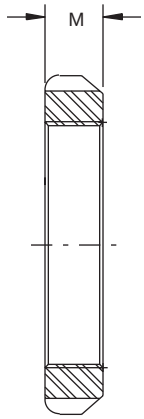
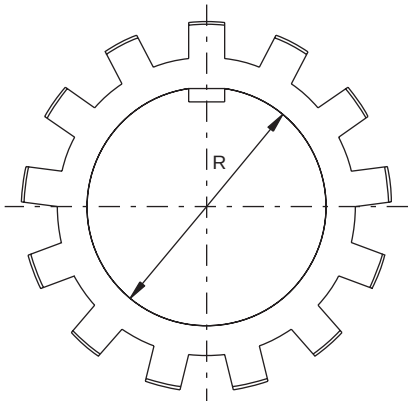
SELECTION/DIMENSIONS

USAF 200 Series Locknuts & Washers

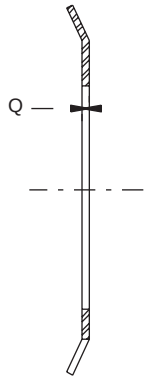


LOCKNUT





LOCKWASHER



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DODGE®

USAF 200 Series Locknuts & Washers

Housing	Locknut		Lockwasher		L	M	R	Q
	Descrip.	Part No.	Descrip.	Part No.	Inch	Inch	Inch	Inch
215	AN15	**460901**	W15	**419150**	3.88	0.59	2.988	0.072
216	AN16	**460902**	W16	**419152**	4.16	0.59	3.192	0.072
217	AN17	**460903**	W17	**419154**	4.41	0.62	3.410	0.072
218	AN18	**460904**	W18	**419156**	4.66	0.69	3.597	0.094
220	AN20	**460905**	W20	**419158**	5.19	0.75	4.003	0.094
222	AN22	**460906**	W22	**419160**	5.72	0.78	4.410	0.125
224	AN24	**041071**	W24	**419162**	6.12	0.81	4.816	0.125
226	AN26	**041064**	W26	**419164**	6.75	0.88	5.209	0.125
228	AN28	**041065**	W28	**419166**	7.09	0.94	5.600	0.125
230	AN30	**041072**	W30	**419168**	7.69	0.97	6.001	0.156
232	AN32	**041066**	W32	**419170**	8.06	1.03	6.407	0.156
234	AN34	**041067**	W34	**419172**	8.66	1.06	6.782	0.156
236	AN36	**041070**	W36	**419174**	9.06	1.09	7.189	0.156
238	AN38	**041068**	W38	**419176**	9.47	1.12	7.595	0.156
240	AN40	**040838**	W40	**419171**	9.84	1.19	8.000	0.156
244	N44	**041069**	W44	**419178**	11.00	1.25	8.719	0.156

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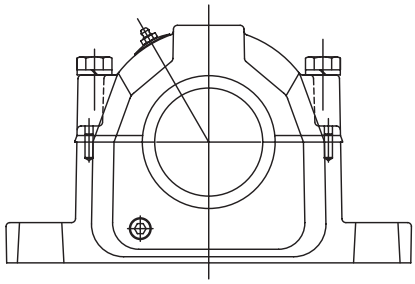
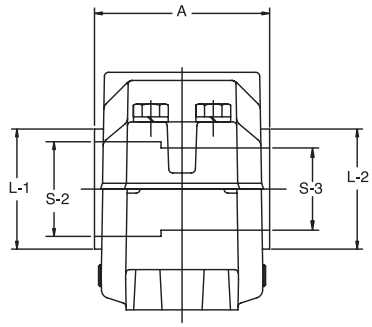
SELECTION/DIMENSIONS

DODGE®

USAF 300 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly





Shaft Dia. S-2	Shaft Dia. S-3	Bearing Bore mm.	Complete Pillow Block Part No.	Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs."	Max Rpm (Grease)	Shaft Locknut Part No.
1-15/16	1-7/16	40	P2B308-USAF-115TT 039355	H2S-308-USAF 039717	BRG22308C3 423124	29,000	4,300	N08 407305
2-1/8	1-11/16	45	P2B309-USAF-202TT 039356	H2S-309-USAF 039719	BRG22309C3 423125	35,500	3,800	N09 419187
2-3/8	1-7/8	50	P2B310-USAF-206TT 035915	H2S-310-USAF 035437	BRG22310C3 423143	42,500	3,400	N10 419188
2-9/16	2-1/16	55	P2B311-USAF-209TT 039357	H2S-311-USAF 039721	BRG22311C3 423126	50,000	3,200	N11 419184
			P4B311-USAF-209TT 039371	H4S-311-USAF 039723	BRG22311C3 423126	50,000	3,200	N11 419184
2-7/8	2-1/4	60	P2B312-USAF-214TT 039358	H2S-312-USAF 039725	BRG22312C3 423127	58,200	2,800	N12 407302
			P4B312-USAF-214TT 039372	H4S-312-USAF 039727	BRG22312C3 423127	58,200	2,800	N12 407302
3-1/6	2-7/16	65	P2B313-USAF-301TT 039359	H2S-313-USAF 039729	BRG22313C3 423128	65,500	2,600	N13 419185
			P4B313-USAF-301TT 039373	H4S-313-USAF 039731	BRG22313C3 423128	65,500	2,600	N13 419185
3-1/4	2-5/8	70	P2B314-USAF-304TT 039360	H2S-314-USAF 039733	BRG22314C3 423129	72,000	2,400	N14 407036
			P4B314-USAF-304TT 039374	H4S-314-USAF 039735	BRG22314C3 423129	72,000	2,400	N14 407036
3-7/16	2-13/16	75	P2B315-USAF-307TT 039361	H2S-315-USAF 039737	BRG22315C3 423130	83,000	2,200	AN15 460901
			P4B315-USAF-307TT 039375	H4S-315-USAF 039739	BRG22315C3 423130	83,000	2,200	AN15 460901
3-5/8	3	80	P2B316-USAF-310TT 035916	H2S-316-USAF 035438	BRG22316C3 423144	93,000	2,200	AN16 460902
			P4B316-USAF-310TT 035917	H4S-316-USAF 035439	BRG22316C3 423144	93,000	2,200	AN16 460902
3-15/16	3-3/16	85	P2B317-USAF-315TT 039362	H2S-317-USAF 039741	BRG22317C3 423131	102,000	2,000	AN17 460903
			P4B317-USAF-315TT 039376	H4S-317-USAF 039743	BRG22317C3 423131	102,000	2,000	AN17 460903

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DODGE®

USAF 300 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly

Shaft Dia.		Bearing Bore	Lockwasher	TRIPLE-TECT Part No.		TTDN Part No.		# LER Part No.		End Cover
S-2	S-3	mm.	Part No.	S-2	S-3	S2	S3	S-2	S-3	Part No.
1-15/16	1-7/16	40	W08 419151	12TT115 043540	08TT107 043578	---	---	12LER115 042512	08LER107 042193	EC-08 040700
2-1/8	1-11/16	45	W09 419180	14TT202 046464	10TT111 043579	---	---	14LER202 *046472	10LER111 *042199	EC-10 040701
2-3/8	1-7/8	50	W10 419181	18TT206 046166	12TT114 046167	---	---	18LER206 046175	12LER114 046176	EC-12 040702
2-9/16	2-1/16	55	W11 419182	22TT209 046466	14TT201 046463	22TTDN209 035748	14TTDN201 035745	22LER209 *046474	14LER201 *046471	EC-14 040703
			W11 419182	22TT209 046466	14TT201 046463	22TTDN209 035748	14TTDN201 035745	22LER209 *046474	14LER201 *046471	EC-14 040703
2-7/8	2-1/4	60	W12 419008	26TT214 046468	14TT204 046465	26TTDN214 035750	14TTDN204 035747	26LER214 046476	14LER204 046473	EC-14 040703
			W12 419008	26TT214 046468	14TT204 046465	26TTDN214 035750	14TTDN204 035747	26LER214 046476	14LER204 046473	EC-14 040703
3-1/6	2-7/16	65	W13 419183	28TT301 046469	22TT207 046168	28TTDN301 035751	22TTDN207 035744	28LER301 *046477	22LER207 *046177	---
			W13 419183	28TT301 046469	22TT207 046168	28TTDN301 035751	22TTDN207 035744	28LER301 *046477	22LER207 *046177	---
3-1/4	2-5/8	70	W14 419153	32TT304 046470	22TT210 046467	32TTDN304 035752	22TTDN210 035749	32LER304 046478	22LER210 046475	---
			W14 419153	32TT304 046470	22TT210 046467	32TTDN304 035752	22TTDN210 035749	32LER304 046478	22LER210 046475	---
3-7/16	2-13/16	75	W15 419150	33TT307 046401	24TT213 046400	33TTDN307 039568	24TTDN213 039289	33LER307 *045928	24LER213 *045927	EC24 040705
			W15 419150	33TT307 046401	24TT213 046400	33TTDN307 039568	24TTDN213 039289	33LER307 *045928	24LER213 *045927	EC24 040705
3-5/8	3	80	W16 419152	38TT310 046402	28TT300 042547	38TTDN310 039291	28TTDN300 039857	38LER310 045931	28LER300 042519	EC28 040706
			W16 419152	38TT310 046402	28TT300 042547	38TTDN310 039291	28TTDN300 039857	38LER310 045931	28LER300 042519	EC28 040706
3-15/16	3-3/16	85	W17 419154	42TT315 046404	32TT303 046403	42TTDN315 039515	32TTDN303 039292	42LER315 042089	32LER303 042088	---
			W17 419154	42TT315 046404	32TT303 046403	42TTDN315 039515	32TTDN303 039292	42LER315 042089	32LER303 042088	---

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

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SELECTION/DIMENSIONS

DODGE®

USAF 300 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly

Shaft Dia. S-2	Shaft Dia. S-3	Bearing Bore mm.	Complete Pillow Block Part No.	Housing Part No.**	Bearing Part No.	Dynamic Capacity (C), lbs.	Max Rpm (Grease)	Locknut Part No.
4-1/2	3-13/16	100	**P4B320-USAF-408TT 039377**	**H4S-320-USAF 039745**	**BRG22320C3 423132**	146,000	1,700	**AN204 060905**
4-7/8	4-3/16	110	**P4B322-USAF-414TT 039378**	**H4S-322-USAF 039747**	**BRG22322C3 423133**	180,000	1,500	**AN224 060906**
5-5/16	4-9/16	120	**P4B324-USAF-505TT 039380**	**H4S-324-USAF 039749**	**BRG22324C3 423134**	204,000	1,400	**AN24 041071**
5-7/8	4-15/16	130	**P4B326-USAF-514TT 039381**	**H4S-326-USAF 039750**	**BRG22326C3 423135**	236,000	1,300	**AN26 041064**
6-1/4	5-5/16	140	**P4B328-USAF-604TT 039382**	**H4S-328-USAF 039751**	**BRG22328C3 423136**	275,000	1,200	**AN28 041065**
6-5/8	5-3/4	150	**P4B330-USAF-610TT 039383**	**H4S-330-USAF 039752**	**BRG22330C3 423137**	310,000	1,100	**AN30 041072**
7	6-1/16	160	**P4B332-USAF-700TT 039384**	**H4S-332-USAF 039753**	**BRG22332C3 423138**	325,000	1,000	**AN32 041066**
7-7/16	6-7/16	170	**P4B334-USAF-707TT 039385**	**H4S-334-USAF 039754**	**BRG22334C3 423139**	360,000	950	**AN34 041067**
8-3/8	7-1/4	190	**P4B338-USAF-806TT 039386**	**H4S-338-USAF 039755**	**BRG22338C3 423140**	415,000	850	**AN38 041068**

DODGE®

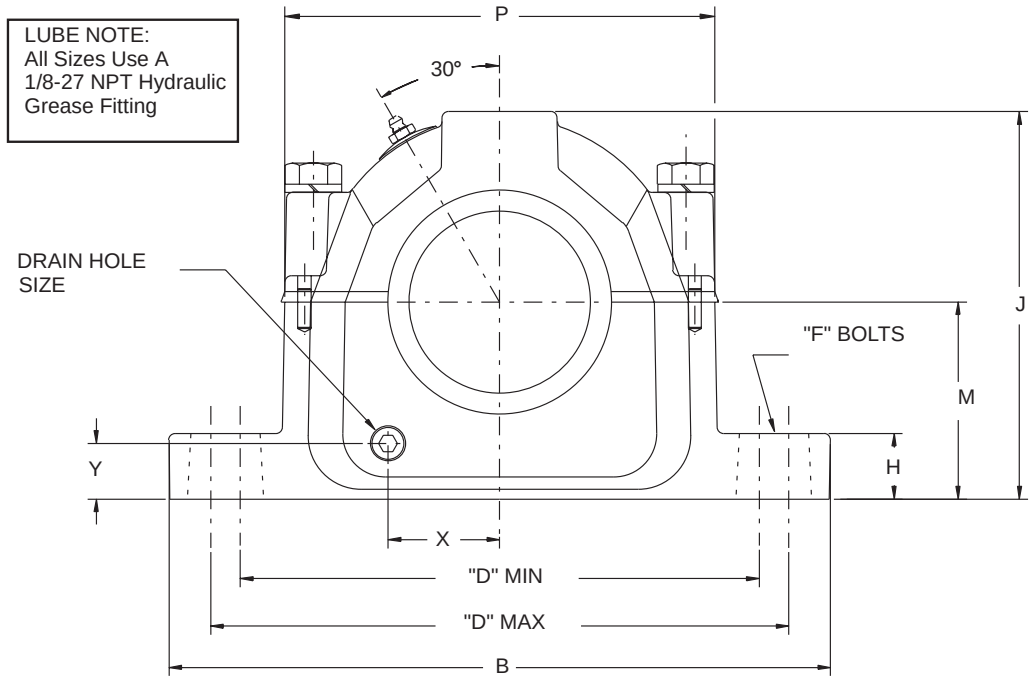
USAF 300 Direct Mount Pillow Block With TRIPLE-TECT Seal Assembly

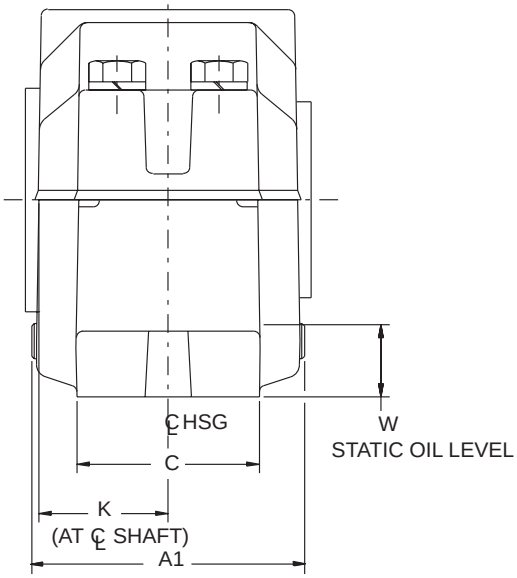
Shaft Dia.		Bearing Bore	Lock-washer	TRIPLE-TECT Part No.		TTDN Part No.		# LER Part No.		End Cover
S2	S3	mm.	Part No.	S-2	S-3	S-2	S-3	S2	S3	Part No.
4-1/2	3-13/16	100	W20 419158	54TT408 043555	50TT313 046407	---	---	54LER408 042527	50LER313 045939	EC50 040709
4-7/8	4-3/16	110	W22 419160	56TT414 046408	52TT403 043553	56TTDN414 039297	52TTDN403 039863	56LER414 042098	52LER403 042525	EC52 040710
5-5/16	4-9/16	120	W24 419162	58TT510 046411	54TT409 046409	---	---	58LER510 042248	54LER409 042943	EC54 040711
5-7/8	4-15/16	130	W26 419164	62TT514 046410	56TT415 043556	---	---	62LER514 042085	56LER415 042528	EC56 040712
6-1/4	5-5/16	140	W28 419166	66TT604 046412	58TT505 046411	---	---	66LER604 042249	58LER505 042248	EC58 040713
6-5/8	5-3/4	150	W30 419168	70TT610 046414	62TT512 046413	---	---	70LER610 045951	62LER512 045949	---
7	6-1/16	160	W32 419170	72TT700 043565	64TT601 046415	---	---	72LER700 042538	64LER601 042953	EC64 040681
7-7/16	6-7/16	170	W34 419172	76TT707 046416	68TT607 043562	---	---	76LER707 042049	68LER607 042535	EC68 040682
8-3/8	7-1/4	190	W38 419176	80TT806 046420	74TT704 046419	---	---	80LER806 *042031	74LER704 *042032	---

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.
If an * appears by the part number, the LER seal is manufactured from Steel.

SELECTION/DIMENSIONS

USAF 300 Housing Dimensions - Inch





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DODGE®

USAF 300 Housing Dimensions - Inch

S-2 Shaft Size	S-3 Shaft Size	Housing	A1 ▲	B	C	D				E	F	
						2-Bolt		4-Bolt			Bolt Dia.	
						Min	Max	Min	Max		2-Bolt	4-Bolt
1-15/16	1-7/16	308	4-1/16	8-1/4	2-11/32	6-1/2	7	-	-	-	1/2	-
2-1/8	1-11/16	309	4-1/4	9-5/8	2-3/4	7-3/8	8-1/4	-	-	-	5/8	-
2-3/8	1-7/8	310	4-45/64	10-5/8	2-3/4	7-3/4	9	-	-	-	5/8	-
2-9/16	2-1/16	311	4-41/64	11	3-1/8	8-1/8	9-1/2	8-1/8	9-1/2	1-7/8	5/8	1/2
2-7/8	2-1/4	312	5-13/64	11-1/8	3-1/8	8-5/8	9-5/8	8-5/8	9-5/8	1-7/8	5/8	1/2
3-1/16	2-7/16	313	5-7/16	12-19/32	3-1/2	9-5/8	11	9-5/8	11	2-1/8	3/4	5/8
3-1/4	2-5/8	314	5-25/64	12-19/32	3-1/2	9-7/8	11	9-7/8	11	2-1/8	3/4	5/8
3-7/16	2-13/16	315	6-5/32	13-5/8	3-7/8	10-1/4	11-3/4	10-3/8	11-5/8	2-1/8	3/4	5/8
3-5/8	3	316	6-3/8	14-11/64	3-7/8	10-7/8	12-3/8	10-5/8	12-1/2	2-1/8	3/4	5/8
3-15/16	3-3/16	317	6-25/32	15-23/64	4-11/32	11-5/8	13-1/8	11-5/8	13-1/8	2-3/8	7/8	3/4
4-1/2	3-13/16	320	8-3/64	16-1/2	4-23/32	-	-	13-1/4	14-1/2	2-3/4	-	3/4
4-7/8	4-3/16	322	8-17/64	18-3/8	5-1/8	-	-	14-1/2	16	3-1/4	-	7/8
5-5/16	4-9/16	324	9-23/64	20-7/8	6-1/4	-	-	16-3/4	18-1/4	3-3/4	-	1
5-7/8	4-15/16	326	9-59/64	21-21/32	6-1/4	-	-	17-3/8	19-1/4	3-3/4	-	1
6-1/4	5-5/16	328	9-29/32	24-3/4	6-3/4	-	-	19-3/8	21-5/8	4-1/4	-	1
6-5/8	5-3/4	330	10-13/32	26-3/4	7-1/8	-	-	20-7/8	23-5/8	4-5/8	-	1
7	6-1/16	332	10-13/16	28	7-1/2	-	-	21-5/8	24-3/8	4-1/2	-	1-1/4
7-7/16	6-7/16	334	11-17/32	28-3/4	8	-	-	22-1/2	25	5	-	1-1/4
8-3/8	7-1/4	338	12-19/64	32-3/4	8-7/8	-	-	24-3/4	27-7/8	5-1/4	-	1-1/2

S-2 Shaft Size	S-3 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
1-15/16	1-7/16	308	1-1/32	4-37/64	1-7/8	2-1/2	5-1/8	1-11/64	1/8	1-3/16	1-1/4	13/16	1/8-27NPSI
2-1/8	1-11/16	309	1-1/32	5-1/4	1-31/32	2-3/4	5-25/32	1-15/64	1/8	1-9/32	1-15/16	53/64	1/8-27NPSI
2-3/8	1-7/8	310	1-13/32	5-23/32	2-13/64	3	6-1/8	1-3/8	7/32	1-3/8	1-17/32	63/64	1/8-27NPSI
2-9/16	2-1/16	311	1-1/32	5-15/16	2-5/32	3	6-1/2	1-27/64	1/8	1-7/16	1-21/32	25/32	1/8-27NPSI
2-7/8	2-1/4	312	1-1/4	6-7/16	2-5/16	3-1/4	7-1/16	1-33/64	1/8	1-5/16	1-25/32	7/8	1/4-18NPSF
3-1/16	2-7/16	313	1-1/16	6-3/4	2-27/64	3-1/2	7-15/16	1-37/64	3/16	1-13/32	1-31/32	61/64	1/4-18NPSF
3-1/4	2-5/8	314	1-1/4	7-3/8	2-15/32	3-3/4	8-3/16	1-41/64	3/16	1-15/32	2-1/8	1-1/16	3/8-18NPSF
3-7/16	2-13/16	315	1-7/16	7-3/4	2-27/32	4	8-21/32	1-49/64	3/16	1-19/32	2-1/4	1-1/8	3/8-18NPSF
3-5/8	3	316	1-7/32	8-1/4	2-61/64	4-1/4	9-1/32	1-53/64	3/16	1-11/16	2-3/8	1-11/64	3/8-18NPSF
3-15/16	3-3/16	317	1-21/32	8-3/4	3-5/32	4-1/2	9-25/32	1-29/32	3/16	1-3/4	2-5/8	1-1/4	3/8-18NPSF
4-1/2	3-13/16	320	1-1/2	10-1/4	3-41/64	5-1/4	11-1/4	2-19/64	3/16	2-1/32	3-3/16	1-3/8	1/2-14NPSF
4-7/8	4-3/16	322	2-1/16	11-17/32	3-3/4	6	12-13/32	2-1/2	3/16	2-13/32	3-5/16	1-5/8	1/2-14NPSF
5-5/16	4-9/16	324	2-3/8	12-1/2	4-21/64	6-5/16	14-5/16	2-41/64	3/16	2-3/8	3-19/32	1-21/64	1/2-14NPSF
5-7/8	4-15/16	326	2-11/32	13-5/16	4-5/8	6-11/16	14-29/32	2-27/32	3/16	2-7/16	4-1/32	1-21/64	1/2-14NPSF
6-1/4	5-5/16	328	2-7/8	14-9/16	4-5/8	7-1/16	16-13/16	3-3/32	3/16	2-9/16	4-5/32	1-21/64	1/2-14NPSF
6-5/8	5-3/4	330	3	15-1/8	4-7/8	7-1/2	17-3/16	3-17/64	3/16	2-5/8	4-7/32	1-5/8	1/2-14NPSF
7	6-1/16	332	3-1/8	15-13/16	5-1/16	7-7/8	18	3-7/16	3/16	2-11/16	4-3/4	1-39/64	1/2-14NPSF
7-7/16	6-7/16	334	3-3/8	16-5/8	5-7/16	8-1/4	19	3-19/32	3/16	2-3/4	4-29/32	1-17/32	1/2-14NPSF
8-3/8	7-1/4	338	3-3/4	18-7/8	5-13/16	9-1/2	21-1/4	3-57/64	3/16	3-3/8	5-7/16	2-1/32	1/2-14NPSF

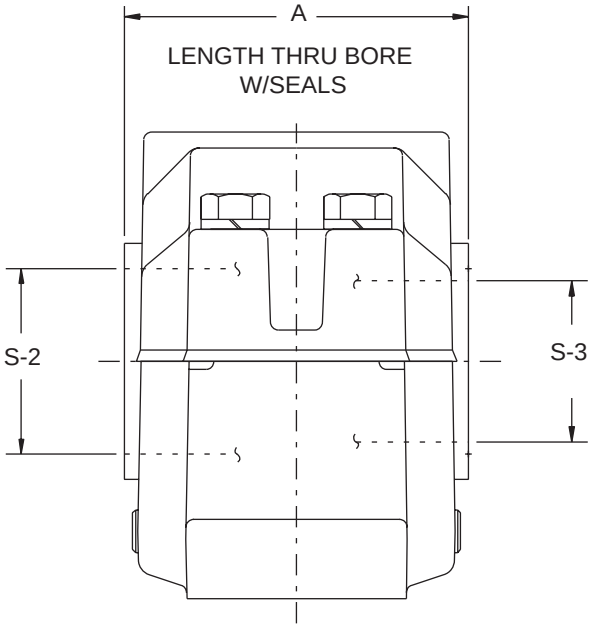
▲ Housing width with drain plugs. Length thru bore page B11-122.

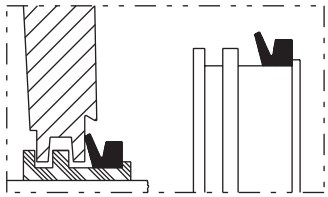
★ Distance shaft should extend beyond housing centerline if pillow block is closed end style

● Non-expansion bearing offset from centerline. For expansion bearing S = 0.

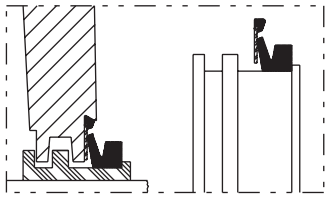
SELECTION/DIMENSIONS

USAF 300 Pillow Block Seals

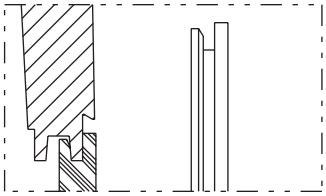




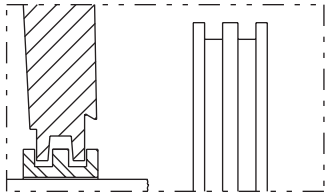
TRIPLE-TECT Seal
General purpose seal for wet or dirty environments



DROP-IN TRIPLE-TECT Seal
DODGE exclusive. Popular TRIPLE-TECT features simplify installation.



END COVER Seal
Allows use of open shaft housing as closed-end



LER Seal
High speed seal for relatively clean environments

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USAF 300 Pillow Block Seals

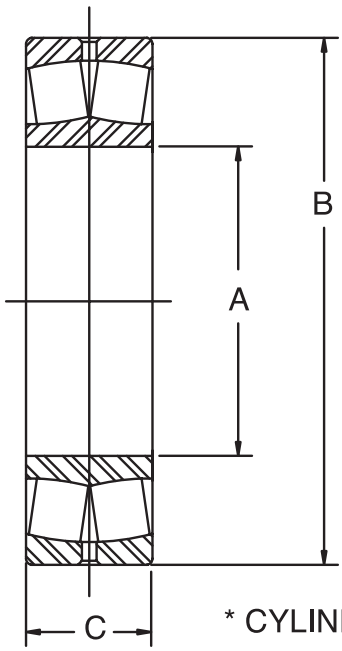
S-2 Shaft Size (Inch)	S-3 Shaft Size (Inch)	Housing	Seal Group		Part Number							A		
					TRIPLE-TECT (TT)		TRIPLE-TECT Drop-In (TTDN)		# Metal Labyrinth (LER)		End Cover	TT (Inch)	TTDN (Inch)	LER (Inch)
			S-2	S-3	S-2	S-3	S-2	S-3	S-2	S-3				
1-15/16	1-7/16	308	12	8	**043540**	**043578**	-	-	**042512**	**042193**	**040700**	4-3/16	-	3-41/64
2-1/8	1-11/16	309	14	10	**046464**	**043579**	-	-	***046472**	***042199**	**040701**	4-23/64	-	3-53/64
2-3/8	1-7/8	310	18	12	**046166**	**046167**	-	-	**046175**	**046176**	**040702**	4-13/16	-	4-9/32
2-9/16	2-1/16	311	22	14	**046466**	**046463**	**035748**	**035745**	***046474**	***046471**	**040703**	4-51/64	4-51/64	4-3/16
2-7/8	2-1/4	312	26	14	**046468**	**046465**	**035750**	**035747**	**046476**	**046473**	**040703**	5-1/64	5-1/64	4-27/64
3-1/16	2-7/16	313	28	22	**046469**	**046168**	**035751**	**035744**	***046477**	***046177**	-	5-11/32	5-11/32	4-11/16
3-1/4	2-5/8	314	32	22	**046470**	**046467**	**035752**	**035749**	**046478**	**046475**	-	5-7/16	5-7/16	4-51/64
3-7/16	2-13/16	315	38	24	**046401**	**046400**	**039290**	**039289**	***045928**	***045927**	**040705**	6-13/64	6-13/64	5-19/32
3-5/8	3	316	38	28	**046402**	**043547**	**039291**	**039857**	**045931**	**042519**	**040706**	6-27/64	6-27/64	5-13/16
3-15/16	3-3/16	317	42	32	**046404**	**046403**	**039515**	**039292**	**042089**	**042088**	-	6-25/64	6-25/32	6-11/64
4-1/2	3-13/16	320	54	50	**043555**	**046407**	-	-	**042527**	**045939**	**040709**	7-55/64	-	7-21/64
4-7/8	4-3/16	322	56	52	**046408**	**043553**	**039297**	**039863**	**042098**	**042525**	**040710**	8-3/32	8-3/32	7-1/2
5-5/16	4-9/16	324	58	54	**046411**	**046409**	-	-	**042248**	**045943**	**040711**	9-9/32	-	8-11/16
5-7/8	4-15/16	326	62	56	**046410**	**043556**	-	-	**042085**	**042528**	**040712**	9-27/32	-	9-13/64
6-1/4	5-5/16	328	66	58	**046412**	**046411**	-	-	**042249**	**042248**	**040713**	9-25/32	-	9-1/8
6-5/8	5-3/4	330	70	62	**046414**	**046413**	-	-	**045951**	**045949**	-	10-25/64	-	9-45/64
7	6-1/16	332	72	64	**043565**	**046415**	-	-	***042538**	***045953**	**040681**	10-11/16	-	9-63/64
7-7/16	6-7/16	334	76	68	**046416**	**043562**	-	-	**042049**	**042535**	**040682**	11-7/16	-	10-47/64
8-3/8	7-1/4	338	80	74	**046420**	**046419**	-	-	**042031**	**042032**	-	12-7/16	-	11-45/64

 # NOTE: LER seals are made from Aluminum unless otherwise noted by the * symbol.

If an * appears by the part number, the LER seal is manufactured from Steel.

SELECTION/DIMENSIONS

USAF 22300 Spherical Roller Bearings



* CYLINDRICAL BORE

USAF 22300 Spherical Roller Bearings

Shaft Size Under Brg. mm	Housing	Bearing No	Part No	Approx. Wt (Lbs.)	A	B	C
					Inch	Inch	Inch
40	308	22308	**423124**	2.3	1.5748 (40)	3.5433 (90)	1.2992 (33)
45	309	22309	**423125**	3.0	1.7717 (45)	3.9370 (100)	1.4173 (36)
50	310	22310	**423143**	3.9	1.9685 (50)	4.3307 (110)	1.5758 (40)
55	311	22311	**423126**	5.1	2.1654 (55)	4.7244 (120)	1.6929 (43)
60	312	22312	**423127**	6.5	2.3622 (60)	5.1181 (130)	1.8110 (46)
65	313	22313	**423128**	7.8	2.5591 (65)	5.5118 (140)	1.8898 (48)
70	314	22314	**423129**	9.3	2.7559 (70)	5.9055 (150)	2.0079 (51)
75	315	22315	**423130**	11.5	2.9528 (75)	6.2992 (160)	2.1654 (55)
80	316	22316	**423144**	13.1	3.1496 (80)	6.6929 (170)	2.2835 (58)
85	317	22317	**423131**	15.7	3.3465 (85)	7.0866 (180)	2.3622 (60)
100	320	22320	**423132**	28.0	3.9370 (100)	8.4646 (215)	2.8740 (73)
110	322	22322	**423133**	38.8	4.3307 (110)	9.4488 (240)	3.1496 (80)
120	324	22324	**423134**	48.3	4.7244 (120)	10.2362 (260)	3.3858 (86)
130	326	22326	**423135**	59.7	5.1181 (130)	11.0236 (280)	3.6614 (93)
140	328	22328	**423136**	75.4	5.5118 (140)	11.8110 (300)	4.0157 (102)
150	330	2230	**423137**	90.4	5.9055 (150)	12.5984 (320)	4.2520 (108)
160	332	22332	**423138**	113.0	6.2992 (160)	13.3858 (350)	4.4882 (114)
170	334	22334	**423139**	132.0	6.6929 (170)	14.1732 (360)	4.7244 (120)
190	338	22338	**423140**	179.0	7.4803 (190)	15.7480 (400)	5.1969 (132)

SELECTION/DIMENSIONS

USAF 300 Series Bearing Shaft Details

Nominal Bearing Bore Dia. (mm)	Shaft Bearing Seat Diameters (Inch)					
	Normal Load			High Load		
	* S-1		Mean Fit	* S-1		Mean Fit
	Max	Min		Max	Min	
40	1.5758	1.5752	.0009T	1.5761	1.5655	.0012T
45	1.7727	1.7721		1.7730	1.7724	
50	1.9697	1.9689	.0011T	1.9700	1.9693	.0014T
55	2.1666	2.1658		2.1669	2.1662	
60	2.3634	2.3626		2.3637	2.3630	
65	2.5603	2.5595		2.5606	2.5599	
70	2.7571	2.7563		2.7574	2.7567	
75	2.9540	2.9532		2.9543	2.9536	
80	3.1508	3.1501	.0012T	3.1511	3.1504	.0015T
85	3.3479	3.3470	.0014T	3.3484	3.3475	.0019T
100	3.9384	3.9375		3.9389	3.9380	
110	4.3321	4.3312		4.3326	4.3317	
120	4.7258	4.7249		47263	4.7254	
130	5.1197	5.1187	.0016T	5.1203	5.1193	.0022T
140	5.5134	5.5124		5.5140	5.5130	
150	5.9071	5.9061		5.9077	5.9067	
160	6.3008	6.2998		6.3014	6.3004	
170	6.6945	6.6935		6.6951	6.6941	
190	7.4821	7.4809	.0019T	7.4829	7.4817	.0026T

Normal Load
P/C = 0.10 TO 0.18

High Load
P/C > 0.18

Where P = Equivalent dynamic load on the bearing (lbs.)
C = Basic dynamic load rating of bearing (lbs.)

FEATURES/BENEFITS PAGE B11-3	HOW TO ORDER PAGE B11-9	NOMENCLATURE PAGE B11-10	SELECTION/DIMENSIONS PAGE B11-30

DODGE®

USAF 300 Series Bearing Shaft Details

Housing	Locknut & Washer Kit Part No.	A Brg Bore	S-2	S-3	Keyway			
					F Depth +1/64 - 0	H Width +1/64 - 0	K Full Depth Length	R Max Radius
308	**046751**	1.5748 (40 mm)	1-15/16	1-7/16	3/32	5/16	21/32	0.059
309	**046752**	1.7717 (45 mm)	2-1/8	1-11/16	3/32	5/16	11/16	0.059
310	**046753**	1.9685 (50 mm)	2-3/8	1-7/8	3/32	5/16	3/4	0.079
311	**046754**	2.1654 (55 mm)	2-9/16	2-1/16	1/8	5/16	3/4	0.079
312	**046772**	2.3622 (60 mm)	2-7/8	2-1/4	1/8	5/16	25/32	0.079
313	**046755**	2.5591 (65 mm)	3-1/16	2-7/16	1/8	5/16	13/16	0.079
314	**046773**	2.7559 (70 mm)	3-1/4	2-5/8	1/8	5/16	29/32	0.079
315	**046756**	2.9528 (75 mm)	3-7/16	2-13/16	1/8	5/16	15/16	0.079
316	**046757**	3.1496 (80 mm)	3-5/8	3	1/8	3/8	15/16	0.079
317	**046758**	3.3465 (85 mm)	3-15/16	3-3/16	1/8	3/8	31/32	0.098
320	**046760**	3.9370 (100 mm)	4-1/2	3-13/16	5/32	3/8	1-3/16	0.098
322	**046761**	4.3307 (110 mm)	4-7/8	4-3/16	3/16	3/8	1-7/32	0.098
324	**046762**	4.7244 (120 mm)	5-5/16	4-9/16	3/16	3/8	1-1/4	0.098
326	**046763**	5.1181 (130 mm)	5-7/8	4-15/16	3/16	1/2	1-5/16	0.118
328	**046764**	5.5118 (140 mm)	6-1/4	5-5/16	3/16	5/8	1-3/8	0.118
330	**046765**	5.9055 (150 mm)	6-5/8	5-3/4	7/32	5/8	1-1/2	0.118
332	**046766**	6.2992 (160 mm)	7	6-1/16	15/64	5/8	1-9/16	0.118
334	**046767**	6.6929 (170 mm)	7-7/16	6-7/16	15/64	3/4	1-19/32	0.118
338	**046769**	7.4803 (190 mm)	8-3/8	7-1/4	15/64	3/4	1-21/32	0.157

Housing	Threads Per Inch	B Thread Major Dia		D Thread Pitch Dia		C Thread Length +1/64 -0	I Thread Relief +1/64 -0	P† Thread Relief Dia.
		Max	Min	Max	Min			
308	18	1.5630	1.5548	1.5269	1.5224	17/32	3/32	1.4792
309	18	1.7670	1.7588	1.7309	1.7204	17/32	1/8	1.6832
310	18	1.9670	1.9588	1.9309	1.9264	19/32	1/8	1.8832
311	18	2.1570	2.1488	2.1209	2.1159	19/32	1/8	2.0732
312	18	2.3600	2.3518	2.3239	2.3188	5/8	1/8	2.2762
313	18	2.5480	2.5398	2.5119	2.5068	21/32	1/8	2.4642
314	18	2.7510	2.7428	2.7149	2.7098	21/32	1/8	2.6672
315	12	2.9330	2.9218	2.8789	2.8735	11/16	5/32	2.7995
316	12	3.1370	3.1258	3.0829	3.0770	11/16	5/32	3.0035
317	12	3.3400	3.3288	3.2859	3.2800	23/32	5/32	3.2065
320	12	3.9180	3.9068	3.8639	3.8565	7/8	5/32	3.7845
322	12	4.325	4.3138	4.2709	4.2626	29/32	5/32	4.1915
324	12	4.716	4.7048	4.6619	4.6536	15/16	5/32	4.5825
326	12	5.106	5.0948	5.0519	5.0436	1	5/32	4.9725
328	12	5.497	5.4858	5.4429	5.4346	1-1/16	5/32	5.3635
330	12	5.888	5.8768	5.8339	5.8256	1-1/8	5/32	5.7545
332	8	6.284	6.2688	6.2028	6.1937	1-3/16	1/4	6.0993
334	8	6.659	6.6438	6.5778	6.5687	1-7/32	1/4	6.4743
338	8	7.472	7.4568	7.3908	7.3817	1-9/32	1/4	7.2873

† Tolerance ±.005 through 2.6672 dia; ±.010 for larger sizes

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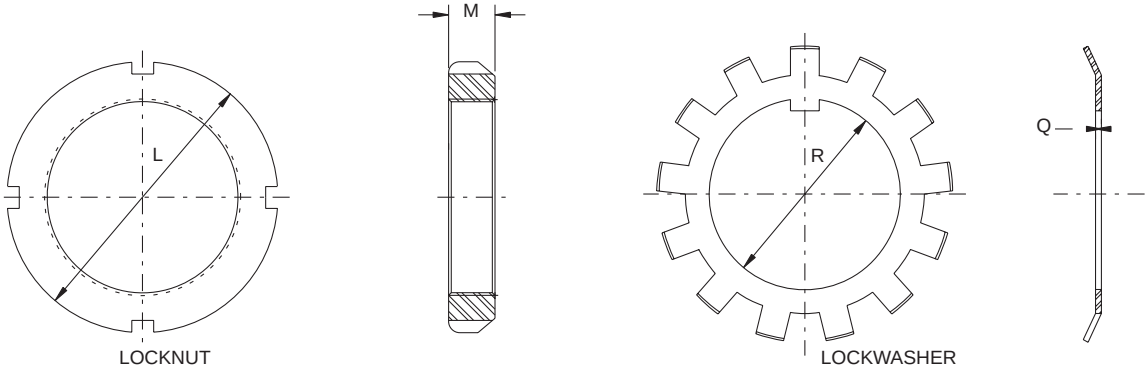
SELECTION/DIMENSIONS

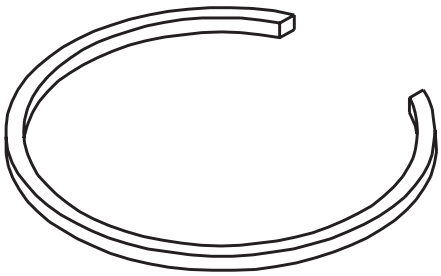
DODGE®

USAF 300 Series Bearing Locknut & Washers



Housing	Locknut		Lockwasher		L (Inch)	M (Inch)	R (Inch)	Q (Inch)
	Descrip.	Part No.	Descrip.	Part No.				
308	N08	**407305**	W08	**419151**	2.25	0.44	1.583	0.048
309	N09	**419187**	W09	**419180**	2.53	0.44	1.792	0.048
310	N10	**419188**	W10	**419181**	2.69	0.50	1.992	0.048
311	N11	**419184**	W11	**419182**	2.97	0.50	2.182	0.053
312	N12	**407302**	W12	**419008**	3.16	0.53	2.400	0.053
313	N13	**419185**	W13	**419183**	3.38	0.56	2.588	0.053
314	N14	**407306**	W14	**419153**	3.62	0.56	2.791	0.053
315	AN15	**460901**	W15	**419150**	3.88	0.59	2.988	0.072
316	AN16	**460902**	W16	**419152**	4.16	0.59	3.192	0.072
317	AN17	**460903**	W17	**419154**	4.41	0.62	3.410	0.072
320	AN20	**460905**	W20	**419158**	5.19	0.75	4.003	0.094
322	AN22	**460906**	W22	**419160**	5.72	0.78	4.410	0.125
324	AN24	**041071**	W24	**419162**	6.12	0.81	4.816	0.125
326	AN26	**041064**	W26	**419164**	6.75	0.88	5.209	0.125
328	AN28	**041065**	W28	**419166**	7.09	0.94	5.600	0.125
330	AN30	**041072**	W30	**419168**	7.69	0.97	6.001	0.156
332	AN32	**041066**	W32	**419170**	8.06	1.03	6.407	0.156
334	AN34	**041067**	W34	**419172**	8.66	1.06	6.782	0.156
338	AN38	**041068**	W38	**419176**	9.47	1.12	7.595	0.156

USAF Stabilizing Rings



Housing	Stab. Ring No.	Stab. Ring Part No. ▲
509	9-9	**041987**
510	10-8	**042335**
511	11-9	**042315**
513	13-0	**042316**
515/215	15-0	**041174**
516/216	16-13	**041172**
517/217	17-14	**041175**
518/218	18-15	**041173**
520/220	20-17	**041176**
522/222	22-19	**041177**
524/224	24-20	**041185**
526/226	26-0	**041178**
528/228	28-0	**041179**
530/230	30-0	**041186**
532/232	32-0	**041180**
534/234	34-0	**041181**
536/236	36-30	**041184**
538/238	38-32	**041182**
540/240	40-34	**046639**
544S/544/244	44-38	**041183**
* 048	A8897	**041161**
* 052	A8898	**422554**
* 056/056L	A8819	**041213**

Housing	Stab. Ring No.	Stab. Ring Part No. ▲
308	10-8	**042335**
609/309	11-9	**042315**
610/310	0-10	**046642**
611/311	6-11	**046632**
312	15-0	**041174**
613/313	16-13	**041172**
314	17-14	**041175**
615/315	18-15	**041173**
616/316	19-16	**046643**
617/317	20-17	**041176**
620/320	24-20	**041185**
622/322	0-22	**046635**
624/324	0-24	**046634**
626/326	0-26	**046637**
628/328	0-28	**046638**
630/330	36-30	**041184**
632/332	38-32	**041182**
634/334	40-34	**040850**
638/338	44-38	**041183**

* Two stabilizing rings required per housings

▲ Part numbers for reference only. Housings come equipped with stabilizing rings enclosed

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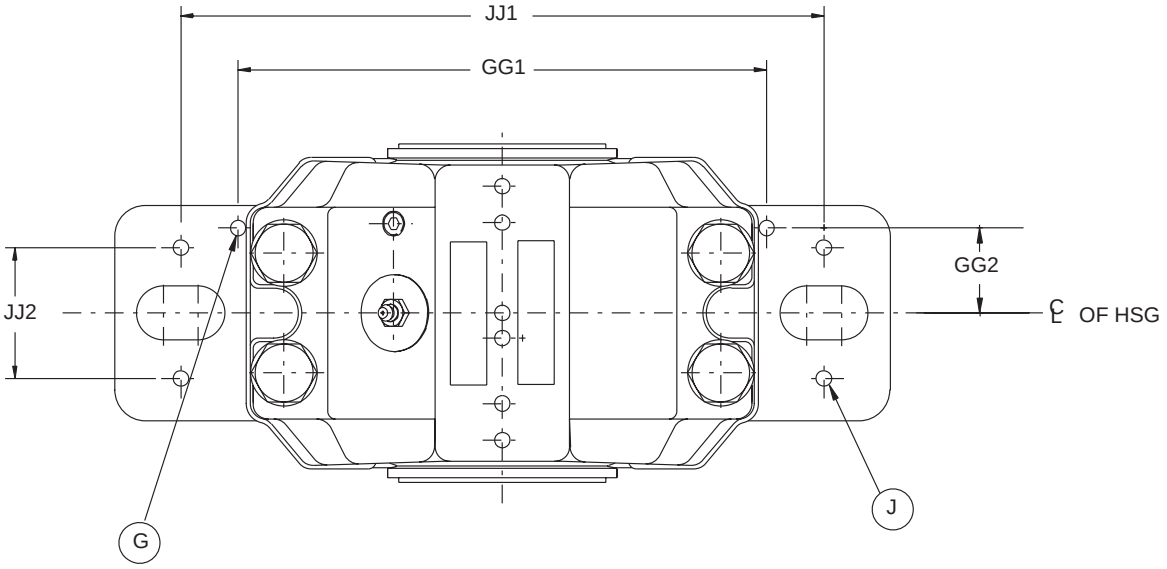
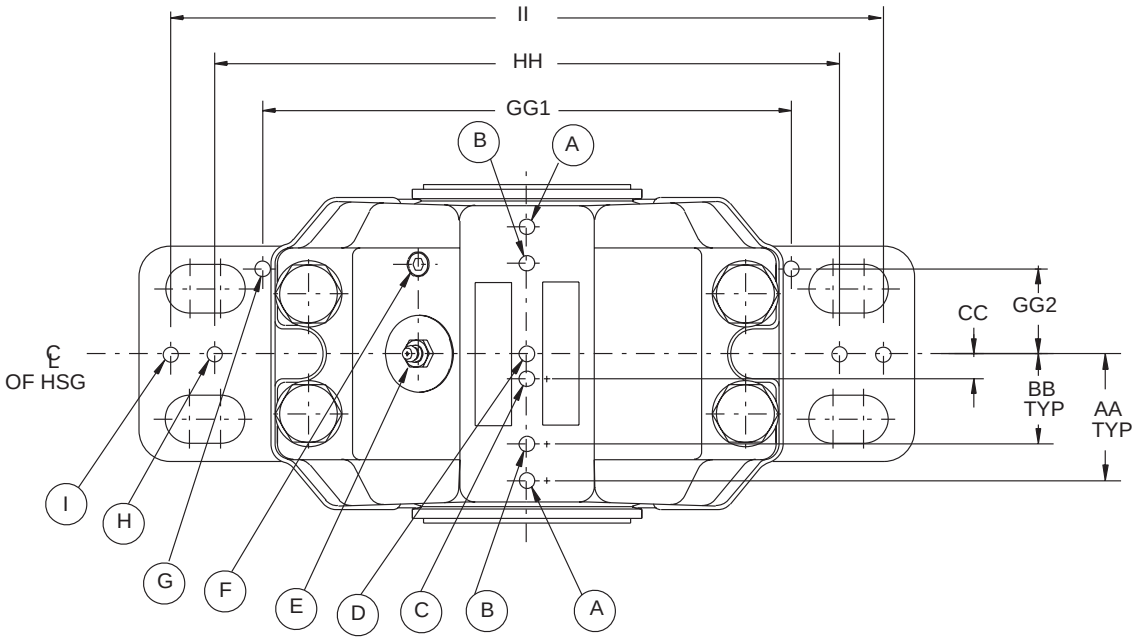
SELECTION/DIMENSIONS

USAF Pillow Block - 500 & 200

DOWEL PIN, LUBRICATION & MOUNTING HOLE POSITIONS





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DODGE®

USAF Pillow Block - 500 & 200

DOWEL PIN, LUBRICATION & MOUNTING HOLE POSITIONS

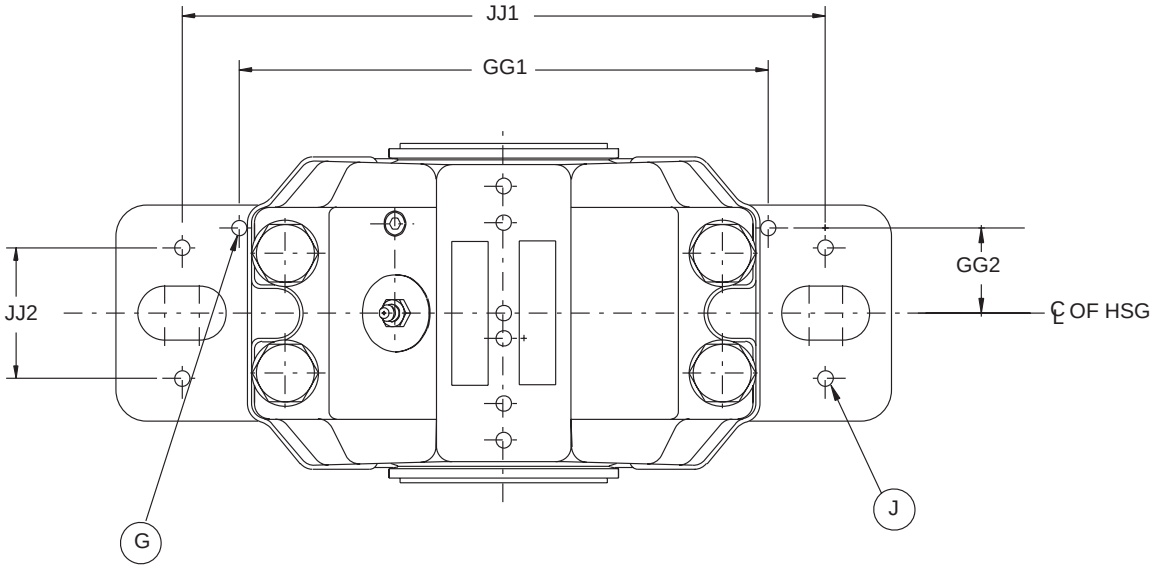
Item	Description
A	Optional Seal Grease Location
B	Optional Location For Vent, Vibration Pickup And/or Grease Location For Non W33 Grooved Bearing
C	Position For Thermocouple Location
D	Position For Lubrication Of Bearing With W33 Groove
E	Lubrication Port For W33 Groove
	Groove Bearing Drilled Standard On Pillow Blocks
F	Pre-Drilled And Tap Location For Vent Or Side Lubrication For Bearing Without W33 Groove
G	Dowel Pin Location For Metric Plummer Blocks
H	Drilling Location For Two Bolt Mounting Or Optional Dowel Pin Location
I	Optional Location For Dowel Pin Location
J	Drilling Location For Four Bolt Mounting Or Optional Dowel Pin Location

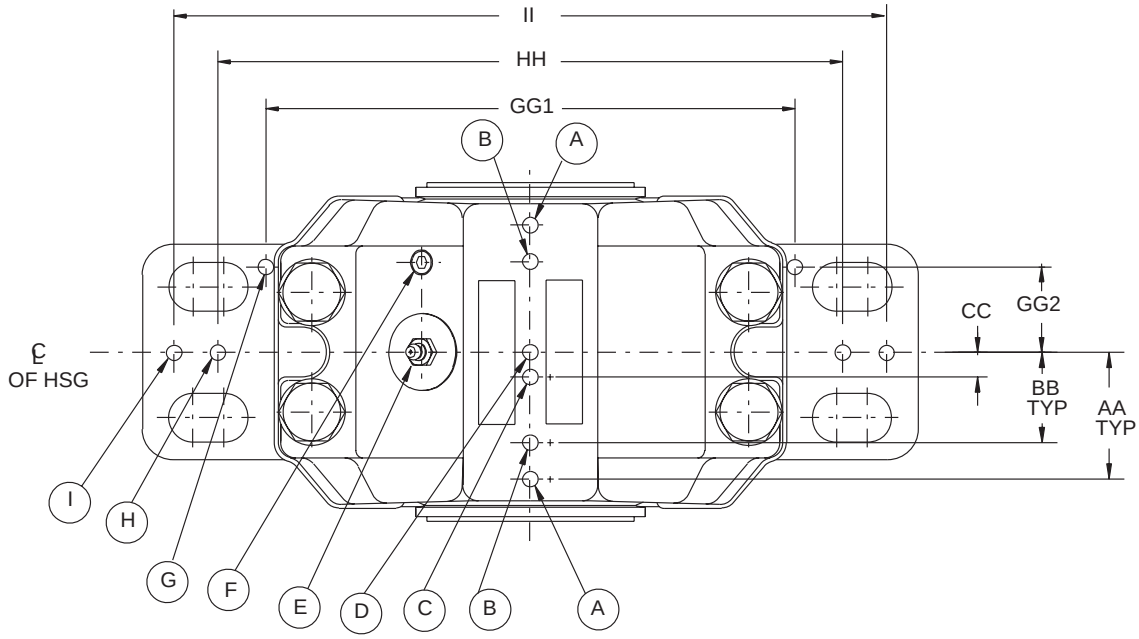
USAF Housing	AA	BB	CC	GG1	GG2	G Max Dia	HH	H		II	JJ1	JJ2	J	
								Hole Size	Bolt Size				Hole Size	Bolt Size
509	1-29/64	27/32	1/4	5-5/16	29/32	15/64	-	-	-	-	6-5/16	1-11/32	7/16	3/8
510	1-17/32	57/64	17/64	5-5/16	29/32	15/64	-	-	-	-	6-5/16	1-11/32	7/16	3/8
511	1-21/32	1	9/32	6-11/16	1-1/16	5/16	-	-	-	-	7-7/8	1-9/16	9/16	1/2
513	1-27/32	1-9/32	11/32	7-1/2	1-1/4	5/16	9-1/16	11/16	5/8	10-1/4	8-21/32	1-7/8	9/16	1/2
515/215	1-7/8	1-7/32	23/64	7-1/2	1-1/4	5/16	9-1/16	11/16	5/8	10-1/4	8-21/32	1-7/8	9/16	1/2
516/216	2-1/32	1-3/8	5/16	8-19/32	1-3/8	5/16	10-1/4	13/16	3/4	11-19/32	9-15/16	2-1/16	11/16	5/8
517/217	2-1/16	1-15/32	13/32	8-19/32	1-3/8	5/16	10-1/4	13/16	3/4	11-19/32	9-15/16	2-1/16	11/16	5/8
518/218	2-3/8	1-1/2	7/16	9-7/16	1-29/64	5/16	11-13/32	13/16	3/4	12-5/8	11-1/32	2-9/32	11/16	5/8
520/220	2-11/16	1-23/32	17/32	10-1/4	1-39/64	5/16	12-19/32	15/16	7/8	14-23/64	11-13/16	2-19/32	13/16	3/4
522/222	2-13/16	1-15/16	19/32	11-1/32	1-25/32	15/32	13-25/32	15/16	7/8	15-1/2	12-19/32	2-29/32	13/16	3/4
524/224	3-1/8	1-29/32	11/16	11-27/64	1-25/32	15/32	13-7/8	15/16	7/8	15-7/8	13	2-29/32	13/16	3/4
526/226	3-1/4	2-3/32	3/4	12-25/32	2-3/64	15/32	14-31/32	1-1/16	1	17-3/8	14-9/16	3-5/32	15/16	7/8
528/228	3-31/64	2-17/32	3/4	13-19/32	2-5/32	15/32	16-17/32	1-5/16	1-1/4	18-11/16	15-3/4	3-5/8	1-1/16	1
530/230	3-27/32	2-17/32	13/16	14-3/4	2-3/8	15/32	17-23/32	1-5/16	1-1/4	19-1/2	16-15/16	3-15/16	1-1/16	1
532/232	4-3/32	2-9/16	29/32	15-9/16	2-23/64	15/32	18-1/2	1-5/16	1-1/4	20-9/32	17-23/32	3-15/16	1-1/16	1
534/234	4-1/8	3	1	-	-	-	20-1/2	1-9/16	1-1/2	23-3/8	-	-	-	-
536/236	4-5/16	3	1	-	-	-	22-1/4	1-9/16	1-1/2	25-1/4	-	-	-	-
538/238	4-1/2	3-1/8	1-1/8	-	-	-	23	1-9/16	1-1/2	26-5/8	-	-	-	-
540/240	4-55/64	3-7/32	1-1/8	-	-	-	23-3/4	1-9/16	1-1/2	27-1/4	-	-	-	-
544/244	5-13/64	3-5/8	1-3/16	-	-	-	26-5/6	1-13/16	1-3/4	30-3/4	-	-	-	-
048	4-55/64	3-7/32	1-1/8	-	-	-	23-3/4	1-9/16	1-1/2	27-1/4	-	-	-	-
052	5-13/64	3-5/8	1-3/16	-	-	-	26-5/6	1-13/16	1-3/4	30-3/4	-	-	-	-
056	5-43/64	3-3/4	1-13/64	-	-	-	27-7/8	2-1/16	2	32-1/4	-	-	-	-

SELECTION/DIMENSIONS

USAF Pillow Block - 600 & 300

DOWEL PIN, LUBRICATION & MOUNTING HOLE POSITIONS





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DODGE®

USAF Pillow Block - 600 & 300

DOWEL PIN, LUBRICATION & MOUNTING HOLE POSITIONS

Item	Description
A	OPTIONAL SEAL GREASE LOCATION
B	OPTIONAL LOCATION FOR VENT, VIBRATION PICKUP AND/OR GREASE LOCATION FOR NON W33 GROOVED BEARING
C	POSITION FOR THERMOCOUPLE LOCATION
D	POSITION FOR LUBRICATION OF BEARING WITH W33 GROOVE
E	LUBRICATION PORT FOR W33 GROOVE
	GROOVE BEARING DRILLED STANDARD ON PILLOW BLOCKS
F	PRE-DRILLED AND TAP LOCATION FOR VENT OR SIDE LUBRICATION FOR BEARING WITHOUT W33 GROOVE
G	DOWEL PIN LOCATION FOR METRIC PLUMMER BLOCKS
H	DRILLING LOCATION FOR TWO BOLT MOUNTING OR OPTIONAL DOWEL PIN LOCATION
I	OPTIONAL LOCATION FOR DOWEL PIN LOCATION
J	DRILLING LOCATION FOR FOUR BOLT MOUNTING OR OPTIONAL DOWEL PIN LOCATION

USAF Housing	AA	BB	CC	GG1	GG2	G Max Dia	HH	H		II	JJ1	JJ2	J	
								Hole Size	Bolt Size				Hole Size	Bolt Size
308	1-17/32	57/64	17/64	5-5/16	29/32	15/64	-	-	-	-	6-5/16	1-11/32	7/16	3/8
609/309	1-21/32	1	9/32	6-11/16	1-1/16	5/16	-	-	-	-	7-7/8	1-9/16	9/16	1/2
610/310	1-27/32	1	11/32	6-49/64	1-1/16	5/16	-	-	-	-	7-7/8	1-9/16	9/16	1/2
611/311	1-27/32	1-9/16	11/32	7-1/2	1-1/4	5/16	9-1/16	11/16	5/8	10-1/4	8-21/32	1-7/8	9/16	1/2
312	1-7/8	1-7/32	23/64	7-1/2	1-1/4	5/16	9-1/16	11/16	5/8	10-1/4	8-21/32	1-7/8	9/16	1/2
613/313	2-1/32	1-3/8	5/16	8-19/32	1-3/8	5/16	10-1/4	13/16	3/4	11-19/32	9-15/16	2-1/16	11/16	5/8
314	2-1/16	1-15/32	13/32	8-19/32	1-3/8	5/16	10-1/4	13/16	3/4	11-19/32	9-15/16	2-1/16	11/16	5/8
615/315	2-3/8	1-1/2	7/16	9-7/16	1-29/64	5/16	11-13/32	13/16	3/4	12-5/8	11-1/32	2-9/32	11/16	5/8
616/316	2-17/32	1-5/8	17/32	9-7/16	1-29/64	5/16	11-13/32	13/16	3/4	13	11-1/32	2-9/32	11/16	5/8
617/317	2-11/16	1-23/32	17/32	10-1/4	1-39/64	5/16	12-19/32	15/16	7/8	14-23/64	11-13/16	2-19/32	13/16	3/4
620/320	3-1/8	1-29/32	11/16	11-27/64	1-25/32	15/32	13-7/8	15/16	7/8	15-7/8	13	2-29/32	13/16	3/4
622/322	3-1/4	2-3/32	3/4	12-25/32	2-3/64	15/32	14-31/32	1-1/16	1	17-3/8	14-9/16	3-5/32	15/16	7/8
624/324	3-27/32	2-17/32	13/16	14-3/4	2-3/8	15/32	17-23/32	1-5/16	1-1/4	19-1/2	16-15/16	3-15/16	1-1/16	1
626/326	4-3/32	2-9/16	29/32	15-9/16	2-23/64	15/32	18-1/2	1-5/16	1-1/4	20-9/32	17-23/32	3-15/16	1-1/16	1
628/328	4-1/8	3	1	-	-	-	20-1/2	1-9/16	1-1/2	23-3/8	-	-	-	-
630/330	4-5/16	3	1	-	-	-	22-1/4	1-9/16	1-1/2	25-1/4	-	-	-	-
632/332	4-1/2	3-1/8	1-1/8	-	-	-	23	1-9/16	1-1/2	26-5/8	-	-	-	-
634/334	4-55/64	3-7/32	1-1/8	-	-	-	23-3/4	1-9/16	1-1/2	27-1/4	-	-	-	-
638/338	5-13/64	3-5/8	1-3/16	-	-	-	26-5/16	1-13/16	1-3/4	30-3/4	-	-	-	-

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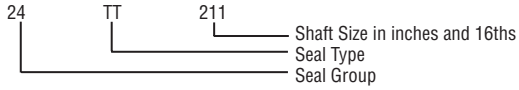
SELECTION/DIMENSIONS

DODGE®

USAF Housing VS Seal Group Interchange Chart

All DODGE seals are identified as follows:



Seal group numbers identify common housing seal grooves found on different series housings. The standard shaft sizes for various housings are shown.

Shaft Size	Housing	Seal* Group
1-7/16	509	08
	308	
	609	
1-11/16	510	10
	309	
	610	
1-7/8	310	12
1-15/16	511	
	308	
	611	
2-1/16	311	14
2-1/8	309	
2-3/16	513	
	613	
2-1/4	312	
2-3/8	310	18
2-7/16	515	20
	615	
	313	22
2-1/2	515	20
	615	
2-5/8	314	22
2-9/16	311	
2-11/16	516	24
	616	
2-3/4	516	
	616	
2-13/16	215	
	315	
2-7/8	312	26
2-15/16	517	28
	617	
3	216	
	316	
	517	
	617	
3-1/16	313	
3-3/16	217	32
	317	
	518	34
3-1/4	314	32
3-3/8	218	36
3-7/16	215	38
	315	
	520	46
	620	
3-1/2	520	
	620	

Shaft Size	Housing	Seal* Group
3-5/8	216	38
	316	
3-13/16	220	50
	320	
3-15/16	217	42
	317	
	522	50
	622	
4	522	
	622	
4-1/8	218	44
4-3/16	524	52
	222	
	624	
	322	
4-7/16	526	54
	626	
4-1/2	220	
	320	
	526	
	626	
4-9/16	224	
	324	
4-7/8	222	56
	322	
4-15/16	226	
	326	
	528	
	628	
5	528	
	628	
5-3/16	530	
	630	
5-5/16	224	58
	228	58
	324	
	328	
5-7/16	532	60
	632	
5-1/2	532	
	632	
5-3/4	230	62
	330	
5-7/8	226	
	326	
5-15/16	534	64
	634	
6	534	
	634	
6-1/16	232	
	332	

Shaft Size	Housing	Seal* Group
6-1/4	228	66
	328	
6-7/16	334	68
	234	
	536	
6-1/2	536	
6-5/8	230	70
	330	
6-7/8	236	72
6-15/16	538	
	638	
7	232	
	332	
	538	
	638	
7-3/16	540	74
7-1/4	238	
	338	
7-7/16	334	76
	234	
7-1/2	544S	
7-5/8	240	
7-13/16	236	78
7-15/16	544	
8		
8-5/16	244	80
8-3/8	238	
	338	
8-7/16	048	90
8-1/2		
8-3/4	240	82
8-15/16	048	90
9	3248	
9-7/16	052	84
9-1/2	3152	
	3252	
9-9/16	244	
9-15/16	56	92
10		
10-7/16	056L	94
10-1/2	3156	
	3256	
10-15/16	060	96
11	3160	
	3260	
11-7/16	064	98
11-1/2		

Shaft Size	Housing	Seal* Group
11-15/16	064L	100
12	3164	
	3264	
12-7/16	068	
12-1/2	3168	102
	3268	
12-15/16	072	104
13		
13-7/16	072L	106
13-1/2	3172	
13-15/16	076	108
14	3176	
15	080	110
15-3/4	084	112

* Seal groups in 200/300 housing require two seals of different diameters.

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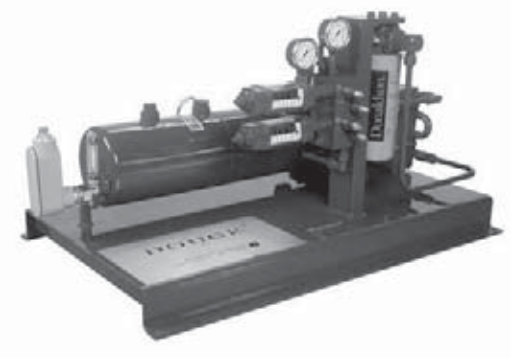
DODGE Cool Lube System

Custom Engineered for oil lubricated, mounted bearings on fan applications. The DODGE Cool Lube System provides an attractive and reliable alternative to conventional grease and static oil bearing lubrication methods for industrial fan applications. It is particularly suited for applications where bearing operating temperatures and speeds approach maximum permissible levels and for harsh and dirty environments.

Enhance your spherical roller and hydrodynamic bearing operation by continuous oil cooling, filtration, and proper oil level maintenance while your fan is running. Eighty percent of all mounted bearing failures are caused by contamination and lubrication issues. The DODGE Cool Lube System helps to minimize this risk.

The DODGE Cool Lube System provides reduced maintenance costs and increased uptime by providing:

- Bearing Temperature Reduction: Increases bearing reliability through bearing temperature reduction. Reducing bearing operating temperatures is proven to significantly increase roller bearing fatigue life.
- Oil Filtration: Increases Bearing Life and extends maintenance periods through continuous oil filtration. The DODGE Cool Lube System continuously circulates and filters harmful particles from the bearing oil sump.
- Automatic Oil Level Control: The DODGE Cool Lube System will maintain the proper oil level within the oil sump.



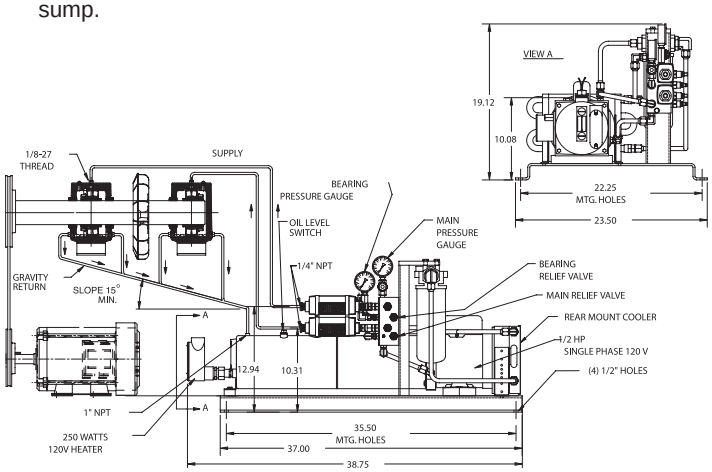
One Cool Lube System per two units for mounted roller bearing products: DODGE Part Numbers:

- **058530** for single phase ½ HP motor
- **067669** for three phase 1 HP motor

Cool Lube System Specifications:

- 3 Gallon Tank
- Pump ½ GPM Flow
- Inline Filter with Clog Indicator
- Pump Relief Valve
- Bearing Line Relief Valve
- Two Pressure Gauges
- Rear Mount Single Air Cooler
- Two Needle Valves
- Two Flow Meters
- 250 Watts Oil Heater with Thermostat
- Oil Level Switch
- Oil Sight Gauge
- Reservoir Breather Cap
- Tubing and JIC Fittings Construction
- All Components Mounted to a Base Plate

NOTE: Replacement Filter Part Number **056728**



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SELECTION/DIMENSIONS

DODGE®

DODGE Cool Lube System helps to:

Prevent bearing mechanical distress:

- Lowers internal bearing friction thus decreasing bearing operating temperatures
- Minimizes roller to raceway, metal to metal contact
- Reduces roller skidding damage that can occur in lightly loaded applications
- Supplies lubricant directly to load carrying rolling elements
- Increases lube life due to lower temperatures
- Minimizes cage sliding friction wear
- Minimizes effect of ineffective sealing

Prevent bearing contamination:

- Filters out contamination which has passed through seals
- Helps to remove water contamination due to condensation from bearings if a water absorbing filter is used
- Flushes worn raceway, rollers & cage particles from bearings
- Removes contamination caused during installation

Lower maintenance costs:

- Oil change outs are simple
- No need to break housing cap bolts to clean out old grease
- Oil can be inspected for distress on a regular basis to determine oil PM schedule
- Lower bearing temperatures increase service life
- Lower contamination levels increase service life

Once bearing raceway fatigue begins progression of damage is rapid

At first sign of Damage | After 1,000 Hours | After 1,200 Hours

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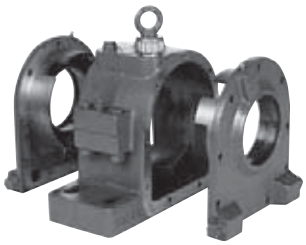
FEATURES/BENEFITS

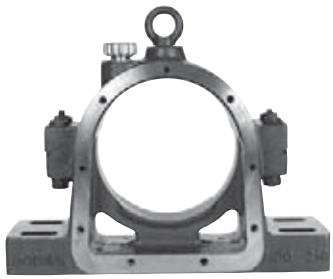
DODGE Plummer Blocks

HFO PLUMMER BLOCK HOUSINGS

Oil-lubricated Bearings with Split Housings

Available in cast iron (GG) for 22200, 22200K, 22300 and 22300K bearings, and in ductile iron (GGG) for 22200 and 22200K bearings.





HFO bearings feature split housings with bolt-on end covers. Large oil sumps provide better cooling, allowing higher operating speeds. Lubrication is accomplished by means of a rotating oil conveying ring which lifts oil from the sump and sprays it onto the bearings. Sight gauges are supplied.

HFO Plummer Block Housings are suitable for applications where reliability and long, maintenance-free intervals are required; e.g. for fans, blowers, and emergency generator sets.

Direct mount (HFO 200 and 300) and adapter mount (HFO 500 and 600) are available. Consult DODGE International Bearing Engineering Catalog.

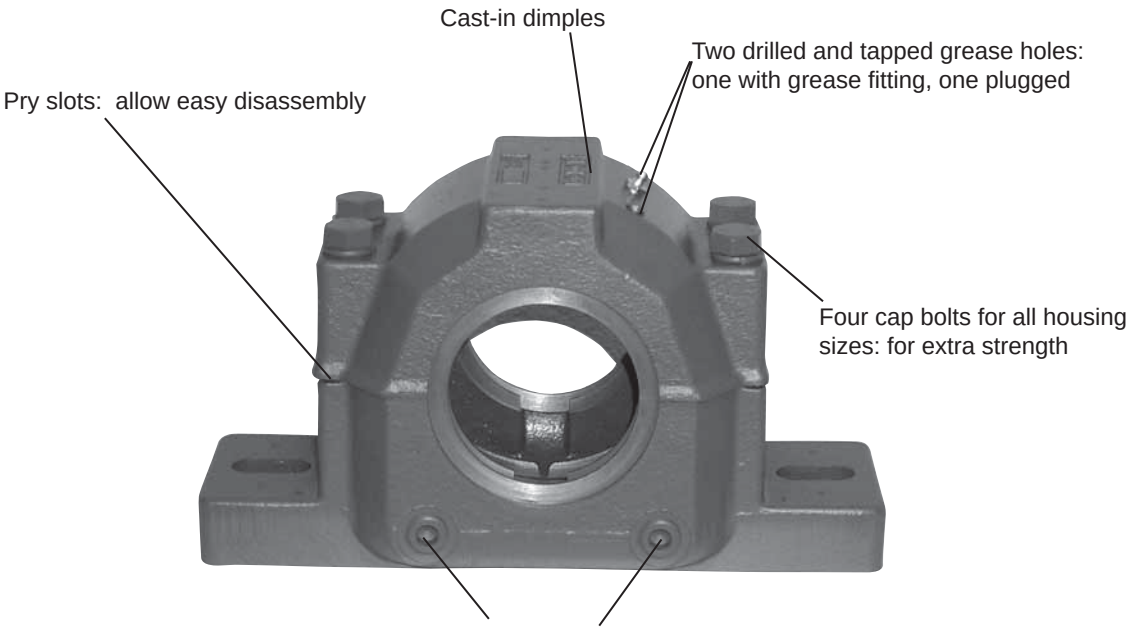
DODGE Plummer Blocks - SN Series Products

SNX

Housings of cast iron GG30

SN dimensioned, split housing plummer block bearings are commonly used in the manufacturing, mining and construction industries for mounting self-aligning ball bearings or spherical roller bearings with adapter sleeves or cylindrical bores.

Machined to H7 tolerances, SN series bearings are available in either expansion or non-expansion, and with a variety of sealing options.

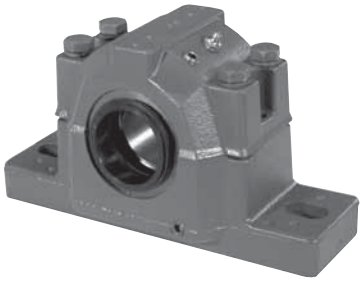


- Standard SNX housings are suitable for either grease or oil lubrication
- Compatible with DODGE EZLINK monitoring system
- Stronger feet for extra load capacity
- Oil equalization passage allows oil flow from side to side
- Oil return slots prevent leaking
- Extra-capacity oil sumps lower operating temperatures
- Oil sight gauges and breather kits are available
- Offset dowels and match marks allow positive matching of caps to bases

FEATURES/BENEFITS

DODGE®

DODGE Plummer Blocks - SN Series Products



SNX 30

SNX 30 series housings, made of cast iron GG30, use the heavier duty 23000K series bearings and are available in sizes from 110 mm to 170 mm

SNF 500 Plus

Dimensionally interchangeable with SNX, as are all the SN designated housings, SNX 500 Plus uses 22200K or 23200K bearings, and is shorter through bore than the SNX. The SNF 500 Plus is available in a Split Sphere design.

ISN

IMPERIAL mount SN housing is a one-piece plummer block featuring a world-class, patented, adapter-mounting system. ISN arrives pre-assembled and shaft ready, and may be installed or removed in fifteen minutes.

- Dimensionally interchangeable with SN family housing
- Cast-in drilling location dimples
- Full-shaft contacting, concentric adapter virtually eliminates fretting and provides superior holding capacity
- Precise clearance setting is achieved automatically, without feeler gauges
- Uses 22200 series spherical roller bearings; steel cages and guide rings

FEATURES/BENEFITS

DODGE Plummer Blocks – SN Series Products

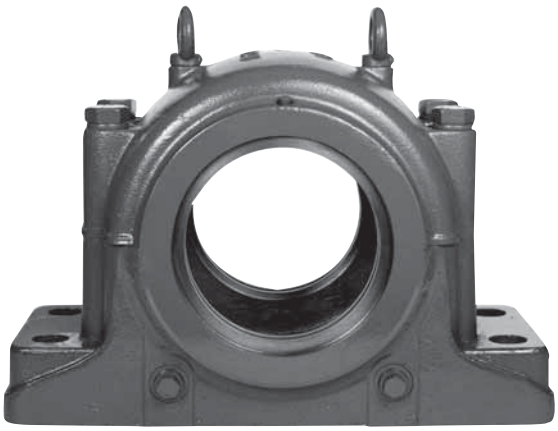
SSND

Made of spheroidal ductile iron (GGG40), these housings offer 90% of the tensile strength of cast steel (GS45) and 110% of the elasticity of cast steel but at a lower cost than cast steel. SSND housings are good for heavy shock loads and/or low temperatures.

SSND offers:

- Stronger feet for extra load capacity
- Pry slots for easier disassembly
- Offset dowels and match marks for matching cap to base
- Two drilled and tapped grease holes: one with grease fitting, one plugged
- Six sealing options

DODGE Plummer Blocks - SD Series Products
DODGE SDX (GG30) and DODGE SDXD (GGG40)



These heavy duty bearings are four-bolt, split housings using either 23000K or 23100K bearings. Sizes range from 180 mm to 320 mm using 23000K bearings: from 150 mm to 300 mm using 23100K bearings.

All SDX and SDXD housings have drilled and tapped grease holes with grease fittings. Additionally, the housings are pre-drilled with grease holes and fittings over the seal groove, providing a Taconite type-of seal. TS labyrinth seals are standard.

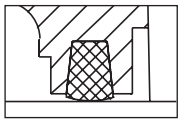
FEATURES/BENEFITS

DODGE®

Seals - SN Series Products

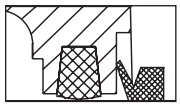
One Housing - Many Seals

FS



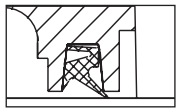
Felt Seal: Standard
SNX 209 - SNX 232
SSND 209 - SSND 232
SNX 3028 - SNC 3039
SNF 505 Plus - SNF 532 Plus

VR



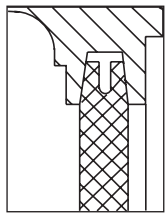
Felt strip with V-ring seal
SNX 209 - SNX 232
SSND 209 - SSND 232
SNX 3028 - SNX 3038
SNF 505 Plus - SNF 532 Plus

LD



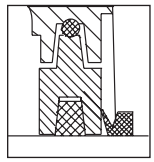
Split two lip radial seal
SNX 209 - SNX 224
SSND 209 - SSND 232
SNX 3028 - SNX 3032
SNF 505 Plus - SNF 532 Plus

DK



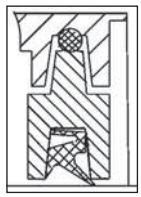
End Cover
SNX 209 - SNX 232
SNX 509 - SNX 532
SNX 308 - SNX 320
SNX 608 - SNX 620
SSND 209 - SSND 232
SSND 509 - SSND 532
SSND 308 - SSND 320
SSND 608 - SSND 620
SNX 3028 - SNX 3038
SNF 505 Plus - SNF 532 Plus

SK VR



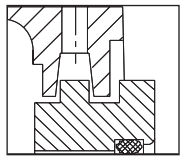
Felt strip with V-ring seal
SNX 509 - SNX 532
SNX 308 - SNX 320
SNX 608 - SNX 620
SSND 509 - SSND 532
SSND 308 - SSND 320
SSND 608 - SSND 620

SK LD



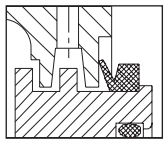
Split two lip radial seal
SNX 509 - SNX 532
SNX 608 - SNX 620
SSND 509 - SSND 532
SSND 608 - SSND 620

TS- SNX



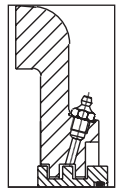
Labyrinth seal
SNX 509 - SNX 532

TT - SNX



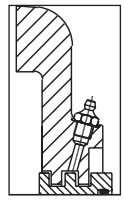
Triple - Tect
SNX 509 - SNX 532

TS - SDX



Labyrinth Seal: Standard
SDX 3040 - SDX 3068
SDX 3134 - SDX 3164
SDXD 3040 - SDXD 3068
SDXD 3134 - SDXD 3164

TT - SDX



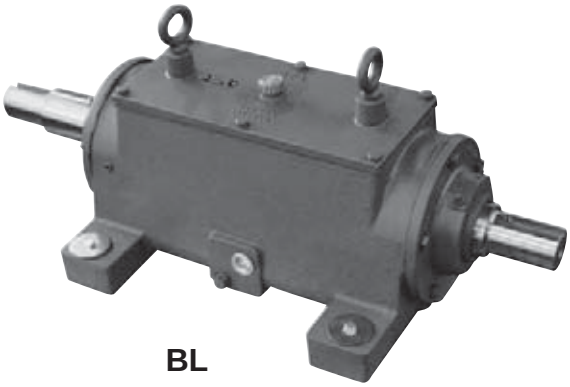
Triple - Tect / Taconite Seal
SDX 3040 - SDX 3068
SDX 3134 - SDX 3164
SDXD 3040 - SDXD 3068
SDXD 3134 - SDXD 3164

	FS	LD	VR & TT	TS	DK
Max. circumferential speeds	4 m/s	8 m/s	4 m/s	brg. RPM limit	-
Max temperature	80-90°C	100-110°C	100-110°C	100-110°C	100-110°C

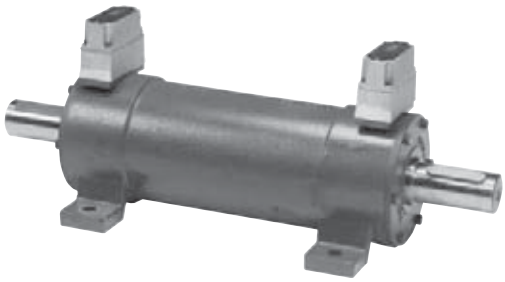
Dodge Two-Bearing Housings (Mono Block)

BL, DFL, and PDNF style bearings, especially developed for fan applications, incorporate two bearing seats in each housing. This two-bearing construction in a single housing eliminates misalignment

The bearing seats accommodate either deep-groove ball bearings or cylindrical roller bearings, enabling great design flexibility.



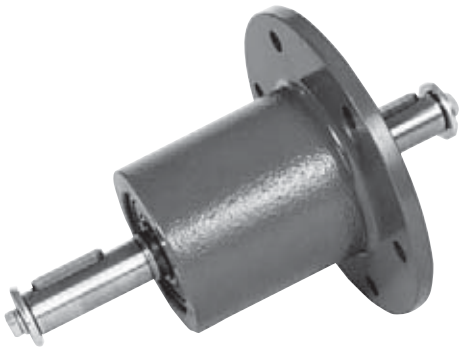
BL



PDNF

Pressed-on bearings, coupled with special, tighter housing fits afford smoother, quieter running which, in turn, allows cooler temperatures and higher speeds.

PDNF, DFL and BL-W bearings are grease lubricated, while BLO is oil lubricated for higher speeds. DFL bearings are flange-mounted. DFLS has adjustable clamping flanges.



DFL

HOW TO ORDER / NOMENCLATURE

DODGE International Bearings

Housing types

HFO – Four-bolt, split, plummer block housings

SNX – Two-bolt, split, plummer block housings w/SN dimensions

SSND – Two or four-bolt, split, plummer block housings w/SN dimensions, ductile iron

SNF 500 Plus – Two-bolt, split, plummer block w/SN dimensions; shorter through bore

SDX – Four-bolt, split, plummer block housings; SDXD is ductile iron

DFL – Flanged, two-bearing Mono Block; DFLS has a split flange for length adjustment

PDNF – Two-bearing Mono Block

BL – Two bearing Mono Block for grease lubrication

BLO – Two-bearing Mono Block for oil lubrications

Suffixes

KPL – Assembled with bearings and shaft

HT – For high temperatures

NS – Relubricative

A – One end closed

B – Both ends open

F – Fixed bearing; non-expansion

L – Floating bearing; expansion

GG – Cast iron

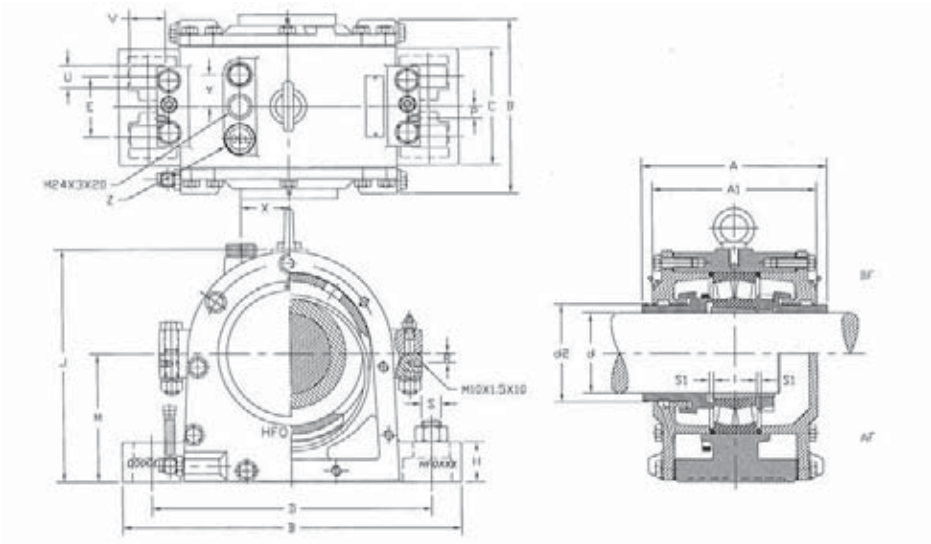
GGG or D – Ductile iron (spheroidal graphite iron)

PLEASE REFER TO DODGE EUROPEAN BEARING ENGINEERING CATALOG FOR TECHNICAL AND ENGINEERING INFORMATION, AS WELL AS COMPLETE INFORMATION ON ALL HOUSINGS (INCLUDING 200, 300 AND 600 SERIES) AND BEARINGS SNF 500 PLUS, SNX 30, SDX 3000 and SDX3100 NOT INCLUDED IN THIS CATALOG.

DODGE®

HFO 500

PLUMMER BLOCK UNITS (split) with oil conveying ring lubrication



Description	Weight kg	Dimensions in mm																				
		d	d2	M	J	B	D	H	S	S1	V	U	E	C	B	A AF	A BF	A1	Z	X	Y	R	P
HFO 517	33	75	96	125	230	330	260	35	M20	5	40	24	60	110	182	172.5	180	165	G3/8"-19	45	37.5	12	14.5
HFO 518	42	80	100	135	245	360	290	45	M20	5	40	24	70	120	190	180.0	190	170	G3/8"-19	52	38	12	12
HFO 519	45	85	105	140	255	360	290	40	M20	5	40	24	80	120	210	192.0	200	184	G3/8"-19	52	42	12	13.5
HFO 520	55	90	110	145	270	400	320	50	M24	5	45	28	75	130	205	196.0	206	186	G1/2"-14	55	40	7	12
HFO 522	70	100	120	160	290	420	347	50	M24	5	45	28	75	145	216	216.0	229	203	G1/2"-14	60	40	12	15
HFO 524	95	110	135	170	315	420	347	55	M24	8	45	28	90	170	245	258.0	276	240	G1/2"-14	52	40	18	15
HFO 526	100	115	145	180	335	450	377	60	M24	9.8	45	28	100	180	260	258.0	270	246	G1/2"-14	52	45	19.5	14
HFO 528	125	125	160	190	355	500	415	65	M30	9.8	45	35	100	190	265	265.0	280	250	G3/4"-14	85	60	20	16
HFO 530	140	135	170	200	375	540	450	65	M30	9.8	50	35	115	190	265	265.0	280	250	G3/4"-14	90	54	22.5	22.5
HFO 532	165	140	178	215	405	560	470	65	M30	10	50	35	120	205	280	298.0	316	280	G3/4"-14	70	55	25	21.5
HFO 534	215	150	195	235	440	610	515	70	M30	9.8	55	35	130	230	320	330.0	350	310	G3/4"-14	90	57.5	26.5	22.5
HFO 536	235	160	205	245	455	650	545	75	M30	10	65	35	150	240	320	338.0	360	316	G3/4"-14	90	70	30	20
HFO 538	245	170	220	260	480	720	590	85	M36	12	70	42	150	250	340	350.0	370	330	G3/4"-14	100	80	20	27.5
HFO 540	320	180	227	275	510	730	600	85	M36	12	70	42	160	260	350	358.0	378	338	G3/4"-14	90	70	35	32.5
HFO 544	375	200	255	305	565	820	670	95	M36	12	80	42	180	280	370	384.5	404	365	G3/4"-14	97	95	30	35

Please consult International Bearing Engineering Catalog for HFO 200, 300 and 600 bearings.

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SELECTION/DIMENSIONS

DODGE®

HFO 500

Complete housing unit in GG25			Housing Only	Seal		Spherical roller bearing		Adapters	
Description	Part No.		Part No.	Part No.	Part No.	Part No.	Description	Description	Part No.
	A F/L	B F/L	B (No Seals)	A & B	B F/L				
HFO 517	**720940**	**720945**	**496150**	**713154**	**713153**	**422005**	22217EK1.C3	H 317	**046224**
HFO 518	**720950**	**720956**	**496151**	**713156**	**713155**	**422007**	22218EK1.C3	H 318	**046225**
HFO 519	**720960**	**720962**	**496188**	**713158**	**713157**	**422979**	22219EK1.C3	H 319	**719499**
HFO 520	**720965**	**720970**	**496154**	**713160**	**713159**	**422009**	22220EK1.C3	H 320	**046226**
HFO 522	**720973**	**720975**	**496157**	**713162**	**713161**	**422011**	22222EK1.C3	H 322	**046227**
HFO 524	**720978**	**720982**	**496159**	**713164**	**713163**	**422013**	22224EK1.C3	H 3124	**046228**
HFO 526	**720987**	**720993**	**496162**	**713166**	**713165**	**422015**	22226EK1.C3	H 3126	**046229**
HFO 528	**739229**	**721005**	**496165**	**713168**	**713167**	**422017**	22228EK1.C3	H 3128	**046230**
HFO 530	**721010**	**721014**	**496168**	**713170**	**713169**	**422019**	22230EK1.C3	H 3130	**046231**
HFO 532	**721018**	**721022**	**496171**	**713172**	**713171**	**422021**	22232EK1.C3	H 3132	**046232**
HFO 534	**721026**	**721030**	**496173**	**713175**	**713174**	**422023**	22234EK1.C3	H 3134	**046233**
HFO 536	**721034**	**721040**	**496176**	**713178**	**713176**	**422025**	22236EK1.C3	H 3136	**046234**
HFO 538	**739018**	**721044**	**496179**	**713182**	**713181**	**422027**	22238MBK.C3	H 3138	**046235**
HFO 540	**721046**	**721049**	**496182**	**713184**	**713183**	**422064**	22240MBK.C3	H 3140	**046236**
HFO 544	**721053**	**721057**	**496185**	**713186**	**713185**	**422029**	22244MBK.C3	H 3144	**046237**
HFO 548			**496187**	-	-	**703407**	22248KMB.C3	H 3148	**719480**

Complete housing unit in GGG40			Housing Only	Seal		Spherical roller bearing		Adapters	
Description	Part No.		Part No.	Part No.	Part No.	Part No.	Description	Description	Part No.
	A F/L	B F/L	B (No Seals)	A & B	B F/L				
HFO 518 GGG	**720951**	**720957**	**496151**	**713156**	**713155**	**422007**	22218EK1.C3	H 318	**046225**
HFO 520 GGG	**720966**	**720971**	**496154**	**713160**	**713159**	**422009**	22220EK1.C3	H 320	**046226**
HFO 524 GGG	**720979**	**720983**	**496159**	**713164**	**713163**	**422013**	22224EK1.C3	H 3124	**046228**
HFO 526 GGG	**720988**	**720994**	**496162**	**713166**	**713165**	**422015**	22226EK1.C3	H 3126	**046229**
HFO 528 GGG	**721000**	**721006**	**496165**	**713168**	**713167**	**422017**	22228EK1.C3	H 3128	**046230**
HFO 530 GGG	**721011**	**721015**	**496168**	**713170**	**713169**	**422019**	22230EK1.C3	H 3130	**046231**
HFO 532 GGG	**721019**	**721023**	**496171**	**713172**	**713171**	**422021**	22232EK1.C3	H 3132	**046232**
HFO 534 GGG	**721027**	**721031**	**496173**	**713175**	**713174**	**422023**	22234EK1.C3	H 3134	**046233**
HFO 536 GGG	**721035**	**721041**	**496176**	**713178**	**713176**	**422025**	22236EK1.C3	H 3136	**046234**
HFO 538 GGG	-	-	**496179**	**713182**	**713181**	**422027**	22238MBK.C3	H 3138	**046235**
HFO 540 GGG	-	**721050**	**496182**	**713184**	**713183**	**422064**	22240MBK.C3	H 3140	**046236**
HFO 544 GGG	**721054**	**721058**	**496185**	**713186**	**713185**	**422029**	22244MBK.C3	H 3144	**046237**

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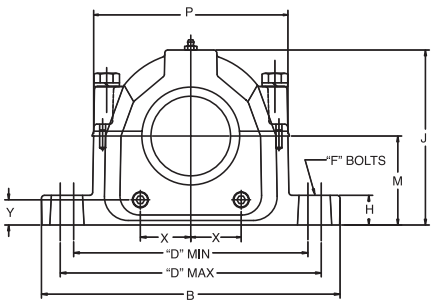
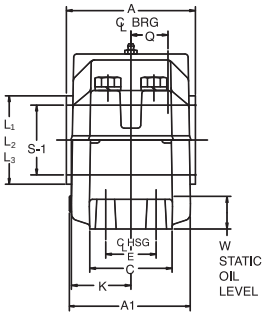
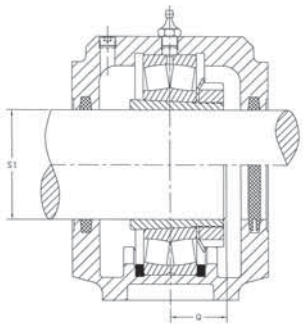
DODGE®

SNX 500

PLUMMER BLOCKS FOR BEARINGS 22200K, 23200K, 1200K, 2200K







Dimensions in mm																										
Description	kg	S-1 SHAFT SIZE	A_1	B	C	D MIN	D MAX	F BOLT DIA	H	J	K	M	P	Q	W	X	Y	A (WITH SEALS) LD	FELT	VR	TS	TT	EC	L_1 VR	L_2 TS	L_3 TT
SNX 509	4,3	40	94	210	60	159	178	M12	25	112	45	60	124	23	24,0	29	20	91	91	100	99	107	91	50	55	65
SNX 510	5,1	45	99	210	60	165	178	M12	23	113	48	60	130	24	29,0	31	17	95	95	105	103	111	95	55	63	70
SNX 511	7,1	50	104	244	70	187	210	M16	26	133	50	70	147	25	28,5	33	22	100	100	110	108	116	100	60	68	75
SNX 512	9,5	55	116	270	70	197	230	M16	29	139	56	70	156	27	32,0	38	20	112	112	121	119	127	112	65	75	82
SNX 513	9,7	60	113	279	80	206	241	M16	30	155	55	80	165	30	27,0	41	25	110	110	119	121	125	110	70	81	92
SNX 515	11,3	65	121	283	80	219	245	M16	29	161	59	80	179	31	38,0	44	21	117	117	124	126	130	117	75	86	97
SNX 516	12,7	70	127	320	90	245	279	M20	33	178	62	95	202	34	34,5	49	31	123	123	136	134	143	123	82	94	102
SNX 517	15,7	75	132	320	90	251	279	M20	32	187	63	95	208	36	35,5	53	28	125	125	139	137	145	125	87	100	107
SNX 518	16,7	80	151	346	98	260	299	M20	35	195	72	100	220	38	47,0	57	28	144	144	157	155	163	144	92	105	112
SNX 519	27,0	85	156	360	98	276	314	M20	35	214	75	112	229	41	39,5	60	35	150	150	162	161	169	150	97	110	124
SNX 520	27,8	90	164	390	110	295	333	M24	40	220	80	112	248	43	45,0	67	30	160	160	171	169	177	160	102	127	124
SNX 522	35,8	100	174	419	120	324	364	M24	45	238	84	125	269	48	53,5	73	34	168	168	177	175	183	168	112	139	144
SNX 524	41,1	110	191	419	120	337	368	M24	45	267	93	140	286	51	57,0	81	42	185	185	199	195	202	185	124	149	154
SNX 526	55,2	115	197	445	130	374	387	M24	50	290	95	150	315	55	49,0	84	39	191	191	204	200	211	191	129	158	154
SNX 528	69,0	125	210	500	150	400	420	M30	50	298	102	150	337	58	51,5	92	35	203	203	215	211	222	203	139	160	164
SNX 530	77,3	135	226	530	160	443	457	M30	60	317	110	160	364	63	53,0	91	34	220	220	233	230	239	220	149	180	176
SNX 532	99,9	140	241	550	160	457	483	M30	60	338	118	170	379	68	53.2	102	34	235	235	247	243	253	235	154	188	186

Please consult International Bearing Engineering Catalog for SNX 30, 200, 300 and 600, and for SNF and SDX series bearings

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SELECTION/DIMENSIONS

DODGE®

SNX 500 for Bearings 22200K and 23200K

Description	Spherical roller bearing		Fixing rings			Adapters		Spherical roller bearing		Fixing rings			Adapters		Sight Glass	
	Description	Part No.	Description	Quantity	Part No.	Description	Part No.	Description	Part No.	Description	Quantity	Part No.	Description	Part No.	Description	Part No.
SNX 509	22209EK1.C3	**422134**	FE 85x3.5	2	**747105**	H 309	**046331**								Oil Kit # 1	**740452**
SNX 510	22210EK1.C3	**422137**	FE 90x9	2	**747108**	H 310	**046332**								Oil Kit # 1	**740452**
SNX 511	22211EK1.C3	**422123**	FE 100x9.5	2	**747111**	H 311	**046219**								Oil Kit # 1	**740452**
SNX 512	22212EK1.C3	**422978**	FE 110x10	2	**747115**	H 312	**046333**								Oil Kit # 1	**740452**
SNX 513	22213EK1.C3	**422124**	FE 120x10	2	**747118**	H 313	**046221**								Oil Kit # 1	**740452**
SNX 515	22215EK1.C3	**422001**	FE 130x12.5	2	**747121**	H 315	**046222**								Oil Kit # 1	**740452**
SNX 516	22216EK1.C3	**422003**	FE 140x12.5	2	**747123**	H 316	**046223**								Oil Kit # 1	**740452**
SNX 517	22217EK1.C3	**422005**	FE 150x12.5	2	**747125**	H 317	**046224**								Oil Kit # 2	**740453**
SNX 518	22218EK1.C3	**422007**	FE 160x12.5	2	**747128**	H 318	**046225**	23218K.C3	**739329**	FE 160x6.25	2	**747189**	H 2318	719400	Oil Kit # 2	**740453**
SNX 519	22219EK1.C3	**422979**	FE 170x12.5	2	**747130**	H 319	**719499**						H 2319	046719	Oil Kit # 2	**740453**
SNX 520	22220EK1.C3	**422009**	FE 180x12	2	**747132**	H 320	**046226**	23220K.C3	**703941**	FE 180X4.85	2	**747190**	H 2320	046720	Oil Kit # 2	**740453**
SNX 522	22222EK1.C3	**422011**	FE 200x13.5	2	**747137**	H 322	**046227**	23222K.C3	**703951**	FE 200x5.1	2	**747191**	H 2322	046721	Oil Kit # 2	**740453**
SNX 524	22224EK1.C3	**422013**	FE 215x14	2	**747141**	H 3124	**046228**	23224EASK.M.C3	**703967**	FE 215x5	2	**712225**	H 2324	046722	Oil Kit # 2	**740453**
SNX 526	22226EK1.C3	**422015**	FE 230x13	2	**747143**	H 3126	**046229**	23226K.C3	**703971**	FE 230x5	2	**747192**	H 2326	046723	Oil Kit # 2	**740453**
SNX 528	22228EK1.C3	**422017**	FE 250x15	2	**747146**	H 3128	**046230**	23228K.C3	**703982**	FE 250x5	2	**747193**	H 2328	719406	Oil Kit # 2	**740453**
SNX 530	22230EK1.C3	**422019**	FE 270x16.5	2	**747149**	H 3130	**046231**	23230K.C3	**703989**	FE 270x5	2	**747194**	H 2330	053201	Oil Kit # 2	**740453**
SNX 532	22232EK1.C3	**422021**	FE 290x17	2	**747152**	H 3132	**046232**	23232K.C3	**703996**	FE 290x5	2	**747195**	H 2332	719408	Oil Kit # 2	**740453**

Description	Housing GG		SK LD seal		SK FS seal		VR seal		Labyrinth seal		Triple-Tect seal		End cover	
	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.
SNX 509	SNX 209/509	**747025**	SK 509 LD 40	**496446**	SK 509 FS 40	**496464**	VS0040	**738141**	TS 209/509	**747328**	TT 209/509	**747384**	DK 55	**709137**
SNX 510	SNX 210/510/308/608	**747026**	SK 510 LD 45	**496447**	SK 510 FS 45	**496465**	VS0045	**738142**	TS 210/510	**747329**	TT 210/510	**747385**	DK 60	**709140**
SNX 511	SNX 211/511/309/609	**747027**	SK 511 LD 50	**496448**	SK 511 FS 50	**496466**	VS0050	**738143**	TS 211/511	**747330**	TT 211/511	**747386**	DK 65	**709143**
SNX 512	SNX 212/512/310/610	**747028**	SK 512 LD 55	**496449**	SK 512 FS 55	**496467**	VS0055	**738145**	TS 212/512	**747331**	TT 212/512	**747387**	DK 70	**709146**
SNX 513	SNX 213/513/311/611	**747029**	SK 513 LD 60	**496450**	SK 513 FS 60	**496468**	VS0060	**738146**	TS 213/513	**747332**	TT 213/513	**747388**	DK 75	**709152**
SNX 515	SNX 215/515/312/612	**747030**	SK 515 LD 65	**496451**	SK 515 FS 65	**496469**	VS0065	**738147**	TS 215/515	**747333**	TT 215/515	**747389**	DK 85	**709162**
SNX 516	SNX 216/516/313/613	**747031**	SK 516 LD 70	**496452**	SK 516 FS 70	**496470**	VS0070	**738148**	TS 216/516	**747334**	TT 216/516	**747390**	DK 90	**709166**
SNX 517	SNX 217/517/314	**747032**	SK 517 LD 75	**496453**	SK 517 FS 75	**496471**	VS0075	**738149**	TS 217/517	**747335**	TT 217/517	**747391**	DK 90	**709166**
SNX 518	SNX 218/518/315/615	**747033**	SK 518 LD 80	**496454**	SK 518 FS 80	**496472**	VS0085	**738151**	TS 218/518	**747336**	TT 218/518	**747392**	DK 100	**708959**
SNX 519	SNX 219/519/316/616	**747034**	SK 519 LD 85	**496455**	SK 519 FS 85	**496473**	VS0090	**738152**	TS 219/519	**747337**	TT 219/519	**747393**	DK 110	**708966**
SNX 520	SNX 220/520/317/617	**747035**	SK 520 LD 90	**496456**	SK 520 FS 90	**496474**	VS0095	**738154**	TS 220/520	**747338**	TT 220/520	**747394**	DK 115	**708970**
SNX 522	SNX 222/522/319/619	**747036**	SK 522 LD 100	**496457**	SK 522 FS 100	**496475**	VS0100	**738155**	TS 222/522	**747339**	TT 222/522	**747395**	DK 125	**708976**
SNX 524	SNX 224/524/320/620	**747037**	SK 524 LD 110	**496458**	SK 524 FS 110	**496476**	VS0110	**738157**	TS 224/524	**747340**	TT 224/524	**747396**	DK 135	**708983**
SNX 526	SNX 226/526	**747038**	SK 526 LD 115	**496459**	SK 526 FS 115	**496477**	VS0115	**738158**	TS 226/526	**747341**	TT 226/526	**747397**	DK 145	**740381**
SNX 528	SNX 228/528	**747039**	SK 528 LD 125	**496460**	SK 528 FS 125	**496478**	VS0125	**738160**	TS 228/528	**747342**	TT 228/528	**747398**	DK 155	**740382**
SNX 530	SNX 230/530	**747040**	SK 530 LD 135	**496461**	SK 530 FS 135	**496479**	VS0135	**738162**	TS 230/530	**747343**	TT 230/530	**747399**	DK 165	**740383**
SNX 532	SNX 232/532	**747041**	SK 532 LD 140	**496462**	SK 532 FS 140	**496480**	VS0140	**738163**	TS 232/532	**747344**	TT 232/532	**747400**	DK 175	**740384**

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SNX 500 for Bearings 1200K and 2200K

Description	Self-aligning ball bearings		Fixing rings			Adapters		Self-aligning ball bearings		Fixing rings			Adapters	
	Description	Part No.	Description	Quantity	Part No.	Description	Part No.	Description	Part No.	Description	Quantity	Part No.	Description	Part No.
SNX 509	1209K.C3	**052637**	FE 85x5.5	2	**747177**	H 209	**719372**	2209K.C3	**739150**	85x3.5	2	**747105**	H 309	**046331**
SNX 510	1210K.C3	**052638**	FE 90x10.5	2	**747178**	H 210	**719373**	2210K.C3	**702830**	90x9	2	**747108**	H 310	**046332**
SNX 511	1211K.C3	**052639**	FE 100x12	2	**747179**	H 211	**719374**	2211K.C3	**702844**	100x9.5	2	**747111**	H 311	**046219**
SNX 512	1212K.C3	**739145**	FE 110x13	2	**747180**	H 212	**719375**	2212K.C3	**702857**	110x10	2	**747115**	H 312	**046333**
SNX 513	1213K.C3	**052640**	FE 120x14	2	**747181**	H 213	**719376**	2213K.C3	**702867**	120x10	2	**747118**	H 313	**046221**
SNX 515	1215K.C3	**052641**	FE 130x15.5	2	**747182**	H 215	**719378**	2215K.C3	**739153**	130x12.5	2	**747121**	H 315	**046222**
SNX 516	1216K.C3	**052642**	FE 140x16	2	**747183**	H 216	**719379**	2216K.C3	**702883**	140x12.5	2	**747123**	H 316	**046223**
SNX 517	1217K.C3	**052643**	FE 150x16.5	2	**747184**	H 217	**719380**	2217K.C3	**702893**	150x12.5	2	**747125**	H 317	**046224**
SNX 518	1218K.C3	**052570**	FE 160x17.5	2	**747185**	H 218	**719381**	2218K.C3	**739154**	160x12.5	2	**747128**	H 318	**046225**
SNX 519	1219K.C3	**701659**	FE 170x18	2	**747186**	H 219	**719382**	2219K.M.C3	**702904**	170x12.5	2	**747130**	H 319	**719499**
SNX 520	1220K.C3	**052644**	FE 180x18	2	**747187**	H 220	**719383**	2220K.M.C3	**702907**	180x12	2	**747132**	H 320	**046226**
SNX 522	1222K.C3	**051841**	FE 200x21	2	**747188**	H 222	**719385**	2222K.C3	**421399**	200x13.5	2	**747137**	H 322	**046227**

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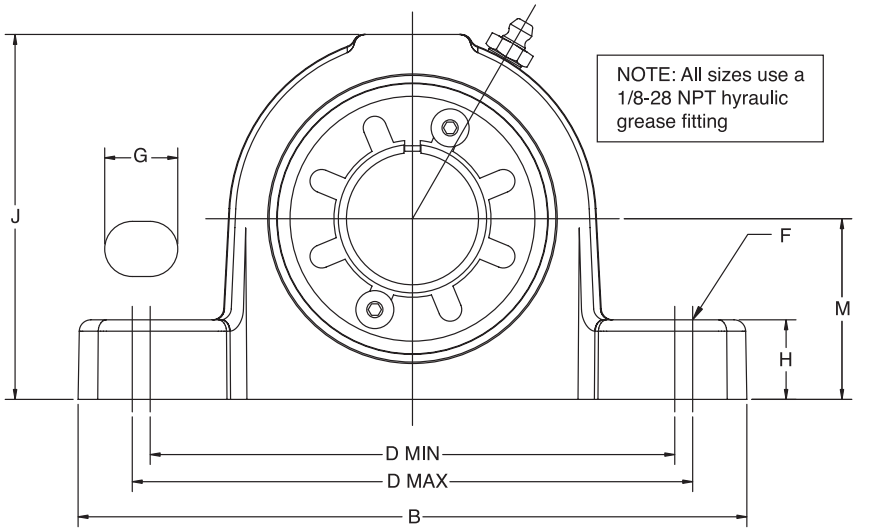
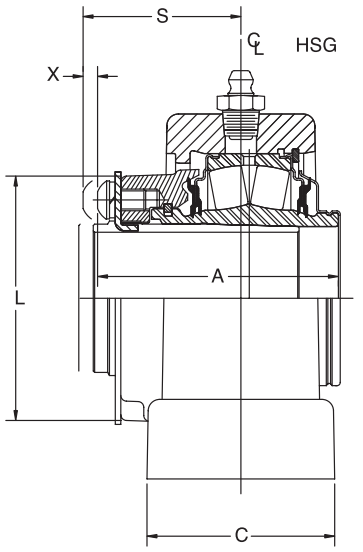
SELECTION/DIMENSIONS

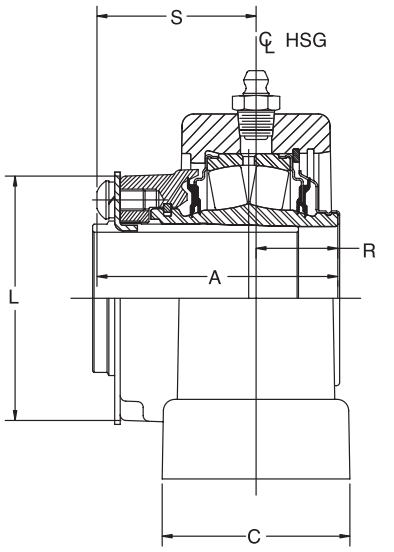
IMPERIAL - ISN Metric Plummer Block

30 THROUGH 125mm, 2-BOLT





EXPANSION



NON-EXPANSION

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

DODGE®

IMPERIAL - ISN Metric Plummer Block
30 THROUGH 125mm, 2-BOLT

Bearing	Shaft Size mm	TRIDENT Seal				Labyrinth Seal			
		NON-EXPANSION		EXPANSION		NON-EXPANSION		EXPANSION	
		Part Number	Description	Part Number	Description	Part Number	Description	Part Number	Description
22208	30	**071000**	ISN 507-030MFR	**071017**	ISN 507-030MLR	**071034**	ISN 507-030MFS	**071051**	ISN 507-030MLS
	35	**071001**	ISN 508-035MFR	**071018**	ISN 508-035MLR	**071035**	ISN 508-035MFS	**071052**	ISN 508-035MLS
22209	40	**071002**	ISN 509-040MFR	**071019**	ISN 509-040MLR	**071036**	ISN 509-040MFS	**071053**	ISN 509-040MLS
22210	45	**071003**	ISN 510-045MFR	**071020**	ISN 510-045MLR	**071037**	ISN 510-045MFS	**071054**	ISN 510-045MLS
	50	**071004**	ISN 511-050MFR	**071021**	ISN 511-050MLR	**071038**	ISN 511-050MFS	**071055**	ISN 511-050MLS
22211	55	**071005**	ISN 512-055MFR	**071022**	ISN 512-055MLR	**071039**	ISN 512-055MFS	**071056**	ISN 512-055MLS
22213	60	**071006**	ISN 513-060MFR	**071023**	ISN 513-060MLR	**071040**	ISN 513-060MFS	**071057**	ISN 513-060MLS
22215	65	**071007**	ISN 515-065MFR	**071024**	ISN 515-065MLR	**071041**	ISN 515-065MFS	**071058**	ISN 515-065MLS
	70	**071008**	ISN 516-070MFR	**071025**	ISN 516-070MLR	**071042**	ISN 516-070MFS	**071059**	ISN 516-070MLS
	75	**071009**	ISN 517-075MFR	**071026**	ISN 517-075MLR	**071043**	ISN 517-075MFS	**071060**	ISN 517-075MLS
22218	80	**071010**	ISN 518-080MFR	**071027**	ISN 518-080MLR	**071044**	ISN 518-080MFS	**071061**	ISN 518-080MLS
	85	**071011**	ISN 519-085MFR	**071028**	ISN 519-085MLR	**071045**	ISN 519-085MFS	**071062**	ISN 519-085MLS
22220	90	**071012**	ISN 520-090MFR	**071029**	ISN 520-090MLR	**071046**	ISN 520-090MFS	**071063**	ISN 520-090MLS
	100	**071013**	ISN 522-100MFR	**071030**	ISN 522-100MLR	**071047**	ISN 522-100MFS	**071064**	ISN 522-100MLS
22222	110	**071014**	ISN 524-110-MFR	**071031**	ISN 524-110MLR	**071048**	ISN 524-110MFS	**071065**	ISN 524-110MLS
22226	115	**071015**	ISN 526-115MFR	**071032**	ISN 526-115MLR	**071049**	ISN 526-115MFS	**071066**	ISN 526-115MLS
	125	**071016**	ISN 528-125MFR	**071033**	ISN 528-125MLR	**071050**	ISN 528-125MFS	**071067**	ISN 528-125MLS

F = Non-Expansion, L = Expansion, R = Trident Rubbing Seal;. S = Labyrinth Seal

Shaft Size mm	A	B	C	D		F	G	H	J	L	M	R	S	X
				min	max	BOLT DIA								TOTAL EXPANSION
30	66.7	184.9	52.0	145.0	155.0	M12	20	22	100.9	67.6	50	22.6	44.1	4
35	66.7	205.9	60.2	150.0	174.6	M12	27.3	25	110.8	67.6	60	22.6	44.1	4
40	71.4	206.3	60.2	155.0	174.6	M12	24.8	25	114	74.7	60	20.6	50.8	6.5
45	72.6	204.9	60.2	160.0	175.0	M12	22.5	25	113.8	81	60	21.1	51.4	6.5
50	72.6	253.9	70.2	190.0	215.9	M16	31	28	124.5	81	70	21.1	51.4	6.5
55	77.0	253.9	69.9	190.0	216.0	M16	31	30	130.3	87.1	70	23.4	54.2	6.5
60	86.9	274.9	80.2	205.0	235.0	M16	33	30	152.4	96.5	80	27.1	59.7	7
65	88.9	280.1	80.1	215.0	236.0	M16	28.5	30	156	106.7	80	26.9	61.7	7
70 75	88.9	315.9	90.2	244.5	268.3	M20	34.1	32	176	106.7	95	26.9	61.7	7
80	106.0	345.3	100.3	270.0	293.7	M20	34	35	196.7	124.7	100	34.5	71.4	7
85	106.0	345.0	100.2	264.2	296.1	M20	37.9	35	205.2	124.7	112	34.5	71.4	7
90	120.0	379.8	110.2	292.8	327.0	M24	43.1	40	218.3	138.7	112	37.2	82.3	8
100	120.0	410.0	120.0	314.4	356.0	M24	46.8	45	239	138.7	125	37.2	82.3	8
110	133.0	410.0	120.0	314.5	356.0	M24	46.8	45	260.7	161.3	140	44.4	88.4	10
115	152.0	444.8	130.0	359.6	387.0	M24	41.7	50	292.8	191.8	150	48.6	103.2	10
125	152.0	500.0	150.2	400.0	427.0	M30	48.5	50	290.4	191.8	150	48.6	103.2	10

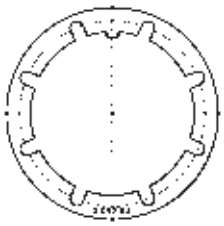
For information on flange and flange pilot bearings, inserts and wide slot take-ups please consult the DODGE International Bearing Engineering Catalog.

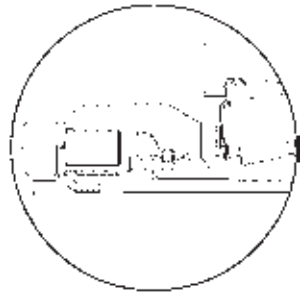
FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

SELECTION/DIMENSIONS

ISN LOCKPLATE KITS

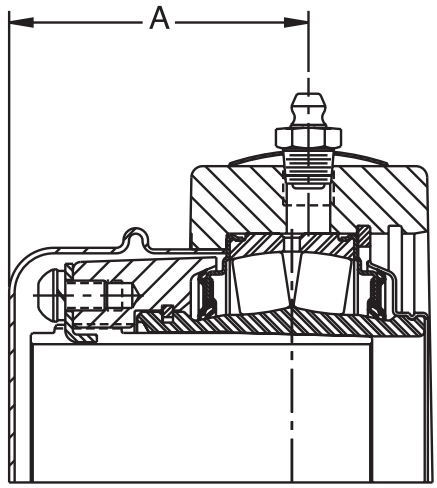
Size	Part No.
30	**048937**
35	**048937**
40	**048938**
45	**018939**
50	**048939**
55	**048940**
60	**048929**
65	**048930**
70	**048930**
75	**048930**
80	**048931**
85	**048931**
90	**048932**
100	**048932**
110	**048933**
115	**048934**
125	**048934**





ISN END COVER

Housing	Part No.	Description	Dimensions in mm
507	**069960**	IPEC08	49.5
508	**069960**	IPEC08	49.5
509	**069961**	IPEC09	55.0
510	**069962**	IPEC10	58.3
511	**069962**	IPEC10	58.3
512	**069963**	IPEC11	61.7
513	**069964**	IPEC13	66.3
515	**069965**	IPEC15	70.0
516	**069965**	IPEC15	70.0
517	**069965**	IPEC15	70.0
518	**069966**	S2IPEC18	78.3
519	**069966**	S2IPEC18	78.3
520	**069967**	S2IPEC20	91.2
522	**069967**	S2IPEC20	91.2
524	**069968**	S2IPEC22	97.7
526	**069969**	S2IPEC26	111.4
528	**069969**	S2IPEC26	111.4

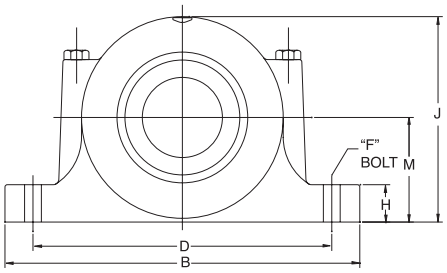


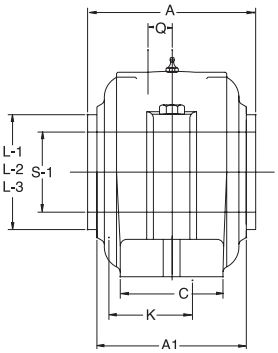
PLUMMER BLOCK

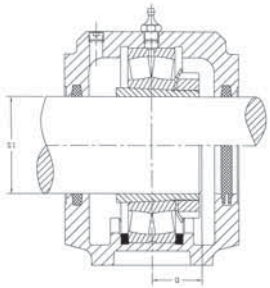
DODGE®

SSND 500

PLUMMER BLOCKS FOR BEARINGS 22200K, 23200K, 1200K, 2200K







Dimensions in mm																					
Description	kg	S-1 SHAFT SIZE	A1	B	C	D	F BOLT DIA	H	J	K	M	Q ★	A (WITH SEALS)						L-1 VR	L-3 TS	L-2 TT
													FELT	LD	END COVER	VR	TS SEAL	TT SEAL			
SSND 509	4.2	40	85	205	60	170	M12	25	110	42.5	60	22.5	85	85	85	97.2	95	101.2	50.2	63	65.2
SSND 510	4.5	45	90	205	60	170	M12	25	115	45	60	23.5	90	90	90	102.2	100	106.2	55.2	68	70.2
SSND 511	5.6	50	95	255	70	210	M16	28	130	47.5	70	24.5	93	95	93	103.2	107	107.2	60.2	75	75.2
SSND 512	6.4	55	105	255	70	210	M16	30	135	52.5	70	27	105	105	105	116.2	119	123.8	67.2	81	82.2
SSND 513	8.1	60	111	275	80	230	M16	30	150	55.5	80	29.5	111	111	111	121.2	125	128.8	72.2	86	87.2
SSND 515	8.7	65	115	280	80	230	M16	30	155	57.5	80	30.5	115	115	115	126.2	129	133.8	77.2	94	97.2
SSND 516	11.1	70	120	315	90	260	M20	32	175	60	95	33.5	120	120	120	134.8	134	138.8	82.2	100	102.2
SSND 517	12.1	75	125	320	90	260	M20	32	185	62.5	95	36	125	125	125	136.8	139	140.8	87.2	105	107.2
SSND 518	14.8	80	145	345	100	290	M20	35	195	72.5	100	38	145	145	145	160.8	159	164.8	92.2	110	112.2
SSND 520	19.3	90	160	380	110	320	M24	40	215	80	112	43	160	160	160	175.8	174	182.8	104.2	127	129.2
SSND 522	24.7	100	175	410	120	350	M24	45	240	87.5	125	47.5	175	175	175	189.8	189	196.8	114.2	139	139.2
SSND 524	28.0	110	185	410	120	350	M24	45	270	92.5	140	51	185	185	185	202.8	199	206.8	124.2	149	149.2
SSND 526	35.5	115	190	445	130	380	M24	50	290	95	150	55	190	190	190	205.8	204	209.8	129.2	158	159.2
SSND 528	45.0	125	205	500	150	420	M30	50	300	102.5	150	58	205	205	205	217.8	220	221.8	140.7	168	170.7
SSND 530	53.5	135	220	530	160	450	M30	60	325	110	160	62.5	220	220	220	232.8	235	239.9	150.7	180	180.7
SSND 532	62.0	140	235	550	160	470	M30	60	345	117.5	170	68	235	235	235	246.8	250	253.9	155.7	188	190.7

Please consult International Bearing Engineering Catalog for SSND 200, 300 and 600 bearings.

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

SELECTION/DIMENSIONS

DODGE®

SSND 500
PLUMMER BLOCKS FOR BEARINGS 22200K AND 23200K

Description	Spherical Roller Bearing		Fixing rings			Adapters	
	Description	Part No.	Description	Quantity	Part No.	Description	Part No.
SSND 509	22209EK1.C3	**422134**	FE 85x3.5	2	**747105**	H 309	**046331**
SSND 510	22210EK1.C3	**422137**	FE 90x9	2	**747108**	H 310	**046332**
SSND 511	22211EK1.C3	**422123**	FE 100x9.5	2	**747111**	H 311	**046219**
SSND 512	22212EK1.C3	**422978**	FE 110x10	2	**747115**	H 312	**046333**
SSND 513	22213EK1.C3	**422124**	FE 120x10	2	**747118**	H 313	**046221**
SSND 515	22215EK1.C3	**422001**	FE 130x12.5	2	**747121**	H 315	**046222**
SSND 516	22216EK1.C3	**422003**	FE 140x12.5	2	**747123**	H 316	**046223**
SSND 517	22217EK1.C3	**422005**	FE 150x12.5	2	**747125**	H 317	**046224**
SSND 518	22218EK1.C3	**422007**	FE 160x12.5	2	**747128**	H 318	**046225**
SSND 520	22220EK1.C3	**422009**	FE 180x12	2	**747132**	H 320	**046226**
SSND 522	22222EK1.C3	**422011**	FE 200x13.5	2	**747137**	H 322	**046227**
SSND 524	22224EK1.C3	**422013**	FE 215x14	2	**747141**	H 3124	**046228**
SSND 526	22226EK1.C3	**422015**	FE 230x13	2	**747143**	H 3126	**046229**
SSND 528	22228EK1.C3	**422017**	FE 250x15	2	**747146**	H 3128	**046230**
SSND 530	22230EK1.C3	**422019**	FE 270x16.5	2	**747149**	H 3130	**046231**
SSND 532	22232EK1.C3	**422021**	FE 290x17	2	**747152**	H 3132	**046232**

Description	Spherical roller bearing		Fixing rings			Adapters	
	Description	Part No.	Description	Quantity	Part No.	Description	Part No.
SSND 509							
SSND 510							
SSND 511							
SSND 512							
SSND 513							
SSND 515							
SSND 516							
SSND 517							
SSND 518	23218K.C3	**739329**	FE 160x6.25	2	**747189**	H 2318	**719400**
SSND 520	23220K.C3	**703941**	FE 180X4.85	2	**747190**	H 2320	**046720**
SSND 522	23222K.C3	**703951**	FE 200x5.1	2	**747191**	H 2322	**046721**
SSND 524	23224EASK.M.C3	**703967**	FE 215x5	2	**712225**	H 2324	**046722**
SSND 526	23226K.C3	**703971**	FE 230x5	2	**747192**	H 2326	**046723**
SSND 528	23228K.C3	**703982**	FE 250x5	2	**747193**	H 2328	**719406**
SSND 530	23230K.C3	**703989**	FE 270x5	2	**747194**	H 2330	**053201**
SSND 532	23232K.C3	**703996**	FE 290x5	2	**747195**	H 2332	**719408**

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

DODGE®

SSND 500
PLUMMER BLOCKS FOR BEARINGS 1200K AND 2200K

Description	Self-aligning ball bearings		Fixing rings			Adapters		Self-aligning ball bearings		Fixing rings			Adapters	
	Description	Part No.	Description	Quantity	Part No.	Description	Part No.	Description	Part No.	Description	Quantity	Part No.	Description	Part No.
SSND 509	1209K.C3	**052637**	5.5 x 85	2	**747177**	H 209	**719372**	2209K.C3	**739150**	3.5 x 85	2	**747105**	H 309	**046331**
SSND 510	1210K.C3	**052638**	10.5 x 90	2	**747178**	H 210	**719373**	2210K.C3	**702830**	9 x 90	2	**747108**	H 310	**046332**
SSND 511	1211K.C3	**052639**	12 x 100	2	**747179**	H 211	**719374**	2211K.C3	**702844**	10 x 100	2	**712071**	H 311	**046219**
SSND 512	1212K.C3	**739145**	13 x 110	2	**747180**	H 212	**719375**	2212K.C3	**702857**	10 x 110	2	**747115**	H 312	**046333**
SSND 513	1213K.C3	**052640**	14 x 120	2	**747181**	H 213	**719376**	2213K.C3	**702867**	10 x 120	2	**747118**	H 313	**046221**
SSND 515	1215K.C3	**052641**	15.5 x 130	2	**747182**	H 215	**719378**	2215K.C3	**739153**	12.5 x 130	2	**747121**	H 315	**046222**
SSND 516	1216K.C3	**052642**	16 x 140	2	**747183**	H 216	**719379**	2216K.C3	**702883**	12.5 x 140	2	**747123**	H 316	**046223**
SSND 517	1217K.C3	**052643**	16.5 x 150	2	**747184**	H 217	**719380**	2217K.C3	**702893**	12.5 x 150	2	**747125**	H 317	**046224**
SSND 518	1218K.C3	**052570**	17.5 x 160	2	**747185**	H 218	**719381**	2218K.C3	**739154**	12.5 x 160	2	**747128**	H 318	**046225**
SSND 520	1220K.C3	**052644**	18 x 180	2	**747187**	H 220	**719383**	2220K.M.C3	**702907**	12 x 180	2	**747132**	H 320	**046226**
SSND 522	1222K.C3	**051841**	21 x 200	2	**747188**	H 222	**719385**	2222K.C3	**421399**	13.5 x 200	2	**747137**	H 322	**046227**

SSND 500 - SEALS

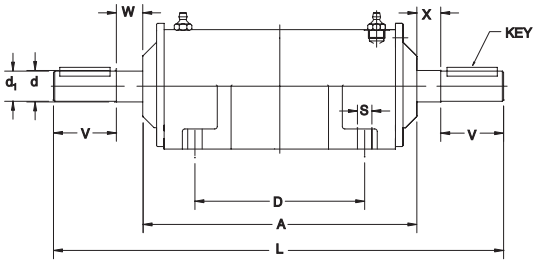
Description	Housing		SK LD seal		SK FS seal		VR seal		Labyrinth seal		Triple-Tect seal		End cover	
	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.
SSND 509	SSND 209/509	**747051**	SK 509 LD 40	**496446**	SK 509 FS 40	**496464**	VS0040	**738141**	TS 209/509	**747328**	TT 209/509	**747384**	DK 55	**709137**
SSND 510	SSND 210/510/308/608	**747052**	SK 510 LD 45	**496447**	SK 510 FS 45	**496465**	VS0045	**738142**	TS 210/510	**747329**	TT 210/510	**747385**	DK 60	**709140**
SSND 511	SSND 211/511/309/609	**747053**	SK 511 LD 50	**496448**	SK 511 FS 50	**496466**	VS0050	**738143**	TS 211/511	**747330**	TT 211/511	**747386**	DK 65	**709143**
SSND 512	SSND 212/512/310/610	**747054**	SK 512 LD 55	**496449**	SK 512 FS 55	**496467**	VS0055	**738145**	TS 212/512	**747331**	TT 212/512	**747387**	DK 70	**709146**
SSND 513	SSND 213/513/311/611	**747055**	SK 513 LD 60	**496450**	SK 513 FS 60	**496468**	VS0060	**738146**	TS 213/513	**747332**	TT 213/513	**747388**	DK 75	**709152**
SSND 515	SSND 215/515/312/612	**747056**	SK 515 LD 65	**496451**	SK 515 FS 65	**496469**	VS0065	**738147**	TS 215/515	**747333**	TT 215/515	**747389**	DK 85	**709162**
SSND 516	SSND 216/516/313/613	**747057**	SK 516 LD 70	**496452**	SK 516 FS 70	**496470**	VS0070	**738148**	TS 216/516	**747334**	TT 216/516	**747390**	DK 90	**709166**
SSND 517	SSND 217/517/314	**747058**	SK 517 LD 75	**496453**	SK 517 FS 75	**496471**	VS0075	**738149**	TS 217/517	**747335**	TT 217/517	**747391**	DK 90	**709166**
SSND 518	SSND 218/518/315/615	**747059**	SK 518 LD 80	**496454**	SK 518 FS 80	**496472**	VS0085	**738151**	TS 218/518	**747336**	TT 218/518	**747392**	DK 100	**708959**
SSND 520	SSND 220/520/317/617	**747060**	SK 520 LD 90	**496456**	SK 520 FS 90	**496474**	VS0095	**738154**	TS 220/520	**747338**	TT 220/520	**747394**	DK 115	**708970**
SSND 522	SSND 222/522/319/619	**747061**	SK 522 LD 100	**496457**	SK 522 FS 100	**496475**	VS0100	**738155**	TS 222/522	**747339**	TT 222/522	**747395**	DK 125	**708976**
SSND 524	SSND 224/524/320/620	**747062**	SK 524 LD 110	**496458**	SK 524 FS 110	**496476**	VS0110	**738157**	TS 224/524	**747340**	TT 224/524	**747396**	DK 135	**708983**
SSND 526	SSND 226/526	**747063**	SK 526 LD 115	**496459**	SK 526 FS 115	**496477**	VS0115	**738158**	TS 226/526	**747341**	TT 226/526	**747397**	DK 145	**740381**
SSND 528	SSND 228/528	**747064**	SK 528 LD 125	**496460**	SK 528 FS 125	**496478**	VS0125	**738160**	TS 228/528	**747342**	TT 228/528	**747398**	DK 155	**740382**
SSND 530	SSND 230/530	**747065**	SK 530 LD 135	**496461**	SK 530 FS 135	**496479**	VS0135	**738162**	TS 230/530	**747343**	TT 230/530	**747399**	DK 165	**740383**
SSND 532	SSND 232/532	**747066**	SK 532 LD 140	**496462**	SK 532 FS 140	**496480**	VS0140	**738163**	TS 232/532	**747344**	TT 232/532	**747400**	DK 175	**740384**

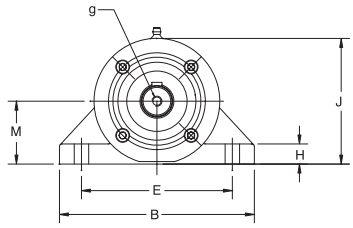
FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

SELECTION/DIMENSIONS

DODGE®

BL-W KPL and BL-W





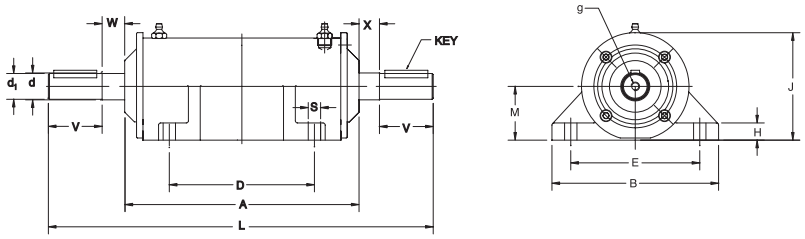
Housing complete with bearings and shaft			Housing Only			Shaft Dimensions in mm														
Description	Part No.	kg	Description	Part No.	kg	d	d_1	A	B	D	E	H	J	L	M	V	W	X	g	S
BL-W 25 KPL E	**707015**	7.0	BL-W 25	**707014**	6.5	25	24	218	155	135	120	18	95	358	50	50	21	19	M 8	11.5
BL-W 30 KPL E	**707025**	8.7	BL-W 30	**707020**	7.8	30	28	300	170	210	130	18	100	470	50	50	50	20	M 10	15
BL-W 35 KPL E	**707057**	10.4	BL-W 35	**707056**	9.2	35	32	330	190	240	150	20	120	530	60	60	55	25	M 12	15
BL-W 40 KPL E	**707069**	12.4	BL-W 40	**707063**	10.7	40	38	330	190	240	150	20	120	530	60	60	55	25	M 12	15
BL-W 45 KPL E	**707111**	16.3	BL-W 45	**707107**	14.0	45	42	365	190	263	150	23	140	575	70	65	55	26	M 16	15
BL-W 50 KPL E	**707134**	15.9	BL-W 50	**707125**	13.0	50	48	365	190	263	150	23	140	585	70	70	55	25	M 16	15
BL-W 55 KPL E	**707191**	25.7	BL-W 55	**707187**	22.0	55	50	408	210	295	170	25	160	645	80	80	53	23	M 16	20
BL-W 60 KPL E	**707213**	25.8	BL-W 60	**707201**	21.2	60	55	408	210	295	170	25	160	645	80	80	55	25	M 20	20
BL-W 70 KPL E	**707271**	38.0	BL-W 70	**707261**	31.0	70	65	450	270	330	210	28	190	755	95	110	58	28	M 20	24
BL-W 75 KPL E	**707291**	40.7	BL-W 75	**707287**	32.5	75	70	450	270	330	210	28	190	755	95	110	60	25	M 20	24
BL-W 80 KPL E	**707328**	60.4	BL-W 80	**707319**	50.0	80	75	486	290	350	230	30	217	805	112	110	70	25	M 20	24
BL-W 85 KPL E	**707347**	85.0	BL-W 85	**726962**	53.5	85	80	590	350	440	290	30	225	935	112	120	80	25	M 20	24
BL-W 90 KPL E	**707353**	90.0	BL-W 90	**706967**	85.0	90	85	590	335	450	280	35	240	935	120	120	80	25	M 20	24
BL-W 95 KPL E	**707368**	95.0	BL-W 95	**707363**	60.3	95	90	536	340	400	280	35	245	935	125	140	87	35	M 24	24
BL-W 100 KPL E	**706998**	110.0	BL-W 100	**706974**	95.0	100	95	590	400	450	335	40	290	1050	145	140	77	104	M 24	24
BL-W 110 KPL E	**707006**	120.0	BL-W 110	**706976**	86.0	110	100	590	400	450	335	40	290	1050	145	160	78	82	M 24	24

Housing complete with bearings and shaft			Housing Only			Bearings	Key	Max. RPM
Description	Part No.	kg	Description	Part No.	kg			(min-1)
BL-W 25 KPL E	**707015**	7.0	BL-W 25	**707014**	6.5	2x 6305 C3	8 x 7 x 40	11000
BL-W 30 KPL E	**707025**	8.7	BL-W 30	**707020**	7.8	2x 6306 C3	8 x 7 x 40	9500
BL-W 35 KPL E	**707057**	10.4	BL-W 35	**707056**	9.2	2x 6307 C3	10 x 8 x 50	8500
BL-W 40 KPL E	**707069**	12.4	BL-W 40	**707063**	10.7	2x 6308 C3	10 x 8 x 50	7500
BL-W 45 KPL E	**707111**	16.3	BL-W 45	**707107**	14.0	2x 6309 C3	12 x 8 x 56	6700
BL-W 50 KPL E	**707134**	15.9	BL-W 50	**707125**	13.0	2x 6310 C3	14 x 9 x 56	6000
BL-W 55 KPL E	**707191**	25.7	BL-W 55	**707187**	22.0	2x 6311 C3	14 x 9 x 63	5300
BL-W 60 KPL E	**707213**	25.8	BL-W 60	**707201**	21.2	2x 6312 C3	16 x 10 x 63	5000
BL-W 70 KPL E	**707271**	38.0	BL-W 70	**707261**	31.0	2x 6314 C3	18 x 11 x 90	4300
BL-W 75 KPL E	**707291**	40.7	BL-W 75	**707287**	32.5	2x 6315 C3	20 x 12 x 90	4000
BL-W 80 KPL E	**707328**	60.4	BL-W 80	**707319**	50.0	2x 6316 C3	20 x 12 x 90	3800
BL-W 85 KPL E	**707347**	85.0	BL-W 85	**726962**	53.5	2x 6317 C3	22 x 14 x 100	3400
BL-W 90 KPL E	**707353**	90.0	BL-W 90	**706967**	85.0	2x 6318 C3	22 x 14 x 100	3400
BL-W 95 KPL E	**707368**	95.0	BL-W 95	**707363**	60.3	2x 6319 C3	25 x 14 x 100	3200
BL-W 100 KPL E	**706998**	110.0	BL-W 100	**706974**	95.0	2x 6320 C3	25 x 14 x 125	3000
BL-W 110 KPL E	**707006**	120.0	BL-W 110	**706976**	86.0	2x 6322 C3	28 x 16 x 160	2600

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

DODGE®

BLO-A KPL and BLO-A
TWO-BEARING HOUSINGS



With bearings and shaft		Housing Only		kg	Dimensions in mm																
Description	Part No.	Description	Part No.		d	d_2	d_3	d_4	dg	A	B	C	I_1	H	H_1	I	E	E_1	s	I_2	I_3
BLO 40 A KPL	**744856**	BLO 40 A	**707400**	23	40	50	42	37	M 40x1,5	290	295	40	250	80	165	380	230	235	M16	410	135
BLO 45 A KPL	**744857**	BLO 45 A	**707402**	24	45	55	47	40	M 45x1,5	290	295	40	250	80	165	380	230	235	M16	410	135
BLO 50 A KPL	**744858**	BLO 50 A	**707405**	27	50	60	52	45	M 50x1,5	320	348	45	300	95	192	432	260	285	M16	444	175
BLO 55 A KPL	**744859**	BLO 55 A	**707410**	30	55	65	57	50	M 55x2	320	348	45	300	95	192	432	260	285	M16	444	175
BLO 60 A KPL	**744860**	BLO 60 A	**707415**	55	60	70	62	55	M 60x2	370	390	50	340	110	222	480	300	320	M20	490	205
BLO 65 A KPL	**744861**	BLO 65 A	**707419**	56	65	75	67	60	M 65x2	370	390	50	340	110	222	480	300	320	M20	490	205
BLO 70 A KPL	**744862**	BLO 70 A	**707422**	72	70	80	72	65	M 70x2	400	450	55	400	120	245	556	330	370	M20	573	265
BLO 75 A KPL	**744863**	BLO 75 A	**707428**	70	75	85	77	70	M 75x2	400	450	55	400	120	245	556	330	370	M20	573	265
BLO 80 A KPL	**744864**	BLO 80 A	**707431**	105	80	90	82	75	M 80x2	460	520	60	460	135	272	645	380	430	M24	655	301
BLO 85 A KPL	**744865**	BLO 85 A	**707434**	120	85	95	87	80	M 85x2	160	520	60	460	135	272	645	380	430	M24	655	299
BLO 90 A KPL	**744866**	BLO 90 A	**707439**	140	90	105	92	85	M 90x2	560	585	70	520	150	317	736	445	490	M36	756	357
BLO 95 A KPL	**744867**	BLO 95 A	**707453**	145	95	110	97	90	M 95x2	560	585	70	520	150	317	736	445	490	M36	756	357
BLO 100 A KPL	**744868**	BLO 100 A	**707376**	145	100	115	102	95	M 100x2	560	585	70	520	150	317	736	445	490	M36	766	368
BLO 110 A KPL	**744869**	BLO 110 A	**707381**	150	110	125	112	105	M 110x2	560	585	70	520	150	317	736	445	490	M36	746	364
BLO 120 A KPL	**744870**	BLO 120 A	**707385**	220	120	140	122	115	M 120x2	600	955	75	900	160	330	1105	480	860	M36	1125	730
BLO 130 A KPL	**744871**	BLO 130 A	**707389**	340	130	150	132	125	M 130x2	690	830	90	750	200	397	1024	550	710	M42	1050	554
BLO 140 A KPL	**744872**	BLO 140 A	**707391**	350	140	160	142	135	M 140x2	690	830	90	750	200	397	1024	550	710	M42	1050	554

With bearings and shaft		Housing Only		Dimensions in mm							Oil Quantity	Expansion	Non-expans.	Locknut	Lock-washer	Max. RPM
Description	Part No.	Description	Part No.	L	I_4	I	d_5	P	V	W						(min.-1)
BLO 40 A KPL	**744856**	BLO 40 A	**707400**	560	80	40	35	10	100	50	0.9	NU 308 C3	6308 C3	KM 8	MB 8	7500
BLO 45 A KPL	**744857**	BLO 45 A	**707402**	560	80	40	40	12	100	50	0.9	NU 309 C3	6309 C3	KM 9	MB 9	6700
BLO 50 A KPL	**744858**	BLO 50 A	**707405**	634	90	50	42	12	120	70	1.5	NU 310 C3	6310 C3	KM 10	MB 10	6300
BLO 55 A KPL	**744859**	BLO 55 A	**707410**	634	90	50	48	14	120	70	1.5	NU 311 C3	6311 C3	KM 11	MB 11	5600
BLO 60 A KPL	**744860**	BLO 60 A	**707415**	700	90	56	50	14	130	80	2.2	NU 312 C3	6312 C3	KM 12	MB 12	5000
BLO 65 A KPL	**744861**	BLO 65 A	**707419**	700	90	56	50	14	130	80	2.2	NU 313 C3	6313 C3	KM 13	MB 13	4800
BLO 70 A KPL	**744862**	BLO 70 A	**707422**	803	90	56	55	16	140	90	3.0	NU 314 C3	6314 C3	KM 14	MB 14	4500
BLO 75 A KPL	**744863**	BLO 75 A	**707428**	803	90	56	65	18	140	90	3.0	NU 315 C3	6315 C3	KM 15	MB 15	4000
BLO 80 A KPL	**744864**	BLO 80 A	**707431**	895	100	63	70	20	150	90	4.0	NU 316 C3	6316 C3	KM 16	MB 16	3800
BLO 85 A KPL	**744865**	BLO 85 A	**707434**	895	100	63	75	20	150	90	4.0	NU 317 C3	6317 C3	KM 17	MB 17	3600
BLO 90 A KPL	**744866**	BLO 90 A	**707439**	1016	100	70	80	22	160	100	6.0	NU 318 C3	6318 C3	KM 18	MB 18	3400
BLO 95 A KPL	**744867**	BLO 95 A	**707453**	1016	100	70	85	22	160	100	6.0	NU 319 C3	6319 C3	KM 19	MB 19	3400
BLO 100 A KPL	**744868**	BLO 100 A	**707376**	1036	140	70	90	25	170	100	6.0	NU 220 C3	6220 C3	KM 20	MB 20	3600
BLO 110 A KPL	**744869**	BLO 110 A	**707381**	1026	140	80	100	28	180	100	6.0	NU 222 C3	6222 C3	KM 22	MB 22	3200
BLO 120 A KPL	**744870**	BLO 120 A	**707385**	1465	140	100	110	28	200	140	10.0	NU 224 C3	6224 C3	KM 24	MB 24	3000
BLO 130 A KPL	**744871**	BLO 130 A	**707389**	1400	160	125	120	32	200	150	18.0	NU 226 C3	6226 C3	KM 26	MB 26	2800
BLO 140 A KPL	**744872**	BLO 140 A	**707391**	1450	210	140	130	32	220	180	20.0	NU 228 C3	6228 C3	KM 28	MB 28	2600

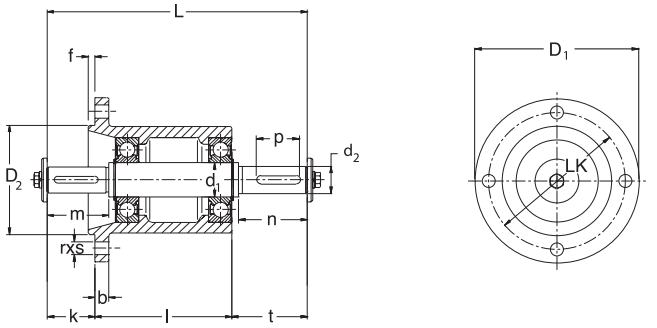
FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

SELECTION/DIMENSIONS

DODGE®

DFL 200

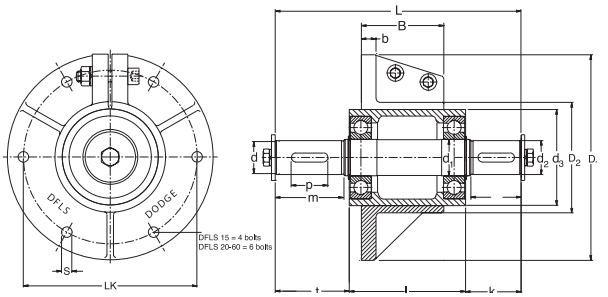
TWO-BEARING HOUSINGS - complete with bearings and shaft



Housing complete with bearings and shaft			Dimensions in mm														Bearings	Max. RPM
Description	Part No.	kg	d_1	d_2	D_1	D_2	LK	f	r x s	n	m	k	l	t	b	L	p		(min-1)
DFL 204 KPL	**708444**	2.3	20	18	135	70	110	5	6 x 9,5	50	38	45	85	53	10	183	32	2 x 6304 2RS C3	9000
DFL 205 KPL	**708446**	3.0	25	22	120	80	100	5	4 x 9,5	50	45	35	100	55	10	190	32	2 x 6305 2RS C3	7500
DFL 206 KPL	**708451**	4.9	30	28	150	90	125	6	4 x 11,5	60	50	40	112	65	12.5	217	36	2 x 6306 2RS C3	6300
DFL 207 KPL	**708452**	6.54	35	32	180	100	140	6	6 x 11,5	65	55	45	125	70	14	240	40	2 x 6307 2RS C3	5600
DFL 208 KPL	**708453**	9.36	40	35	200	112	160	6	6 x 11,5	75	55	45	140	80	16	265	40	2 x 6308 2RS C3	5000

DFLS

TWO-BEARING HOUSINGS - complete with bearings and shaft

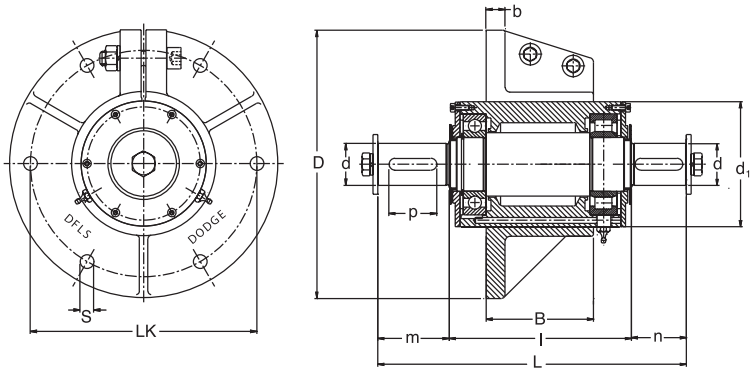


Housing complete with bearings and shaft			Dimensions in mm																Bearings	Max. RPM
Description	Part No.	kg	d_1	d_2	d_3	D_1	D_2	LK	s	n	m	k	l	t	L	b	B	p		(min-1)
DFLS 15 KPL	**708481**	1.38	15	14	48	120	56	100	7	28	38	31	78	41	150	6	40	18	2 x 6302 2RS C3	12000
DFLS 20 KPL	**708484**	3.02	20	18	70	125	80	110	9.5	50	45	52.5	90	47.5	190	10	50	32	2 x 6304 2RS C3	9000
DFLS 25 KPL	**708491**	3.08	25	22	70	125	80	110	9.5	50	45	52.5	90	47.5	190	10	50	32	2 x 6305 2RS C3	7500
DFLS 30 KPL	**708499**	6.82	30	28	90	190	100	160	11.5	50	60	53.5	100	63.5	217	14	70	36	2 x 6306 2RS C3	6300
DFLS 35 KPL	**708507**	7.15	35	32	90	190	100	160	11.5	55	65	59	112	69.5	240	14	70	40	2 x 6307 2RS C3	5600
DFLS 40 KPL	**708510**	11.5	40	35	105	225	120	190	11.5	55	75	61.5	127	76.5	265	16	90	40	2 x 6308 2RS C3	5000
DFLS 50 KPL	**708519**	22.8	50	45	125	300	145	265	11.5	75	75	77.5	170	77.5	325	16	100	56	2 x 6310 2RS C3	4000
DFLS 60 KPL	**708529**	38.5	60	55	150	350	180	310	11.5	90	90	95	210	95	400	20	140	80	2 x 6312 2RS C3	3400

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

DFLS NS

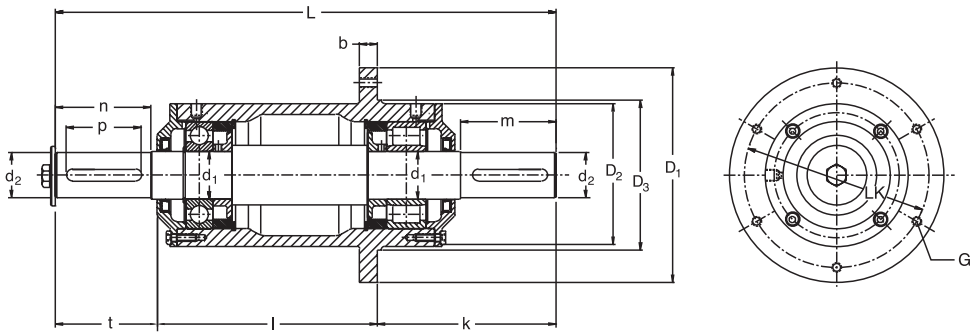
TWO-BEARING HOUSINGS - complete with bearings and shaft



Housing complete with bearings and shaft			Dimensions in mm												Bearings		Max. RPM
Description	Part No.	kg	d	d_1	D	LK	s	L	n	m	l	B	b	p	Impeller	drive	(min-1)
DFLS 20 KPL NS	**708487**	3.25	18	70	125	110	9.5	190	42.5	37.5	110	50	10	28	6205 C3	NU 2205 C3	12000
DFLS 25 KPL NS	**708494**	3.31	22	70	125	110	9.5	190	42.5	37.5	110	50	10	28	6205 C3	NU 2205 C3	12000
DFLS 30 KPL NS	**708500**	7.19	28	90	190	160	11.5	217	45.0	50.0	127	70	14	32	6207 C3	NU 2207 C3	8500
DFLS 40 KPL NS	**708513**	12.0	35	105	225	190	11.5	265	40.0	65.0	155	90	16	36	6209 C3	NU 2209 C3	7000
DFLS 50 KPL NS	**708522**	23.54	45	125	300	265	11.5	325	74.0	74.0	177	100	16	56	6211 C3	NU 2211 C3	6000
DFLS 60 KPL NS	**708532**	39.6	55	150	350	310	11.5	400	89.0	89.0	222	140	20	80	6312 C3	NU 312 C3	4300

DFL

TWO-BEARING HOUSINGS - complete with bearings and shaft



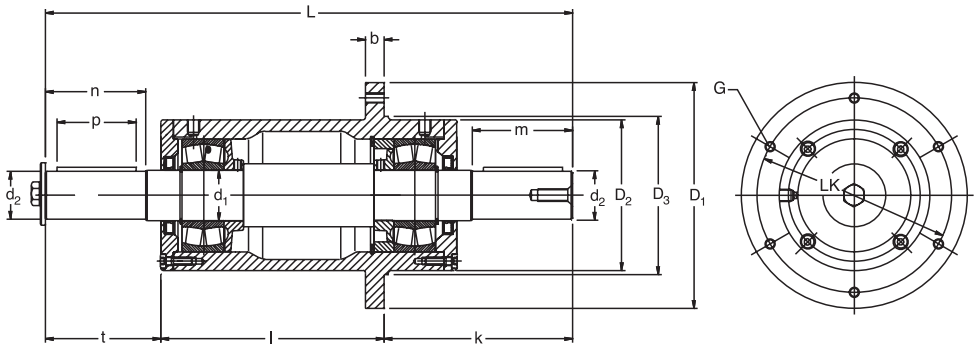
Housing complete with bearings and shaft			Dimensions in mm														Bearings		Max. RPM
Description	Part No.	kg	d_1	d_2	D_1	D_2	D_3	L_K	G	n	m	k	l	t	b	L	p	Impeller	drive	(min-1)
DFL 30	**708454**	5.6	30	28	150	100	105	130	4 x M8	60	60	120	155	65	15	340	40	6206 C3	NU 206 C3	11000
DFL 35	**708463**	6.0	35	32	180	120	125	155	6 x M8	60	60	130	185	65	15	380	40	6307 C3	NU 307 C3	8500
DFL 40	**708468**	7.2	40	38	180	120	125	155	6 x M8	80	80	150	185	85	15	420	63	6308 C3	NU 2308 C3	7500
DFL 45	**708474**	8.0	45	40	200	140	145	175	6 x M8	80	80	160	195	85	15	440	63	6309 C3	NU 2309 C3	6700

FEATURES/BENEFITS PAGE | NOMENCLATURE PAGE

SELECTION/DIMENSIONS

DFL HT

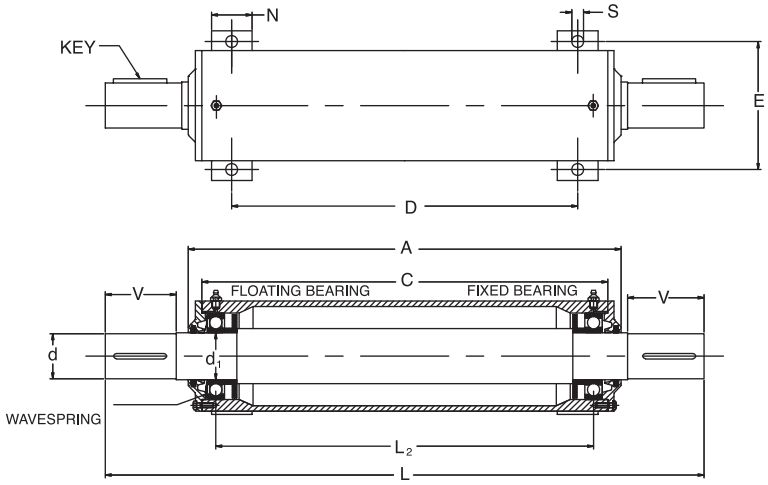
TWO-BEARING HOUSINGS - complete with bearings and shaft

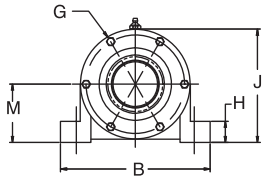


Housing complete with bearings and shaft			Dimensions in mm														Spherical roller bearing	Max. RPM
Description	Part No.	kg	d_1	d_2	D_1	D_2	D_3	LK	G	n	m	k	l	t	b	L	p		(min-1)
DFL 30 HT	**708455**	5.6	30	28	150	100	105	130	4 x M8	60	60	120	148	72	15	340	40	2 x 22206 C3	7500
DFL 35 HT	**708464**	6.0	35	32	180	120	125	155	6 x M8	60	60	130	178	72	15	380	40	2 x 22207 C3	6300
DFL 40 HT	**708469**	7.2	40	38	180	120	125	155	6 x M8	80	80	150	178	92	15	420	63	2 x 22308 C3	4300
DFL 45 HT	**708475**	8.0	45	40	200	140	145	175	6 x M8	80	80	160	178	92	15	440	63	2 x 22309 C3	3800

DODGE®

PDNF and PDNF KPL
TWO-BEARING HOUSINGS





Housing Size	Housing Only Without Bearings and Shaft		Housing Complete With Bearings and Shaft		Dimensions in mm Abmessung in mm Dimensions en mm Dimensiones en mm Misure in mm																		Bearings Lager Roulements Rodamientos Cuscinetti	Key
	PDNF Part Number	kg	PDNF KPL Part Number	kg	d_1	d	A	B	C	D	E	H	J	L	L_2	M	N	V	g	S		
306	**726921**	5.5	**726922**	10	30	24	226	160	210	150	130	18	100	340	171.5	50	40	50	4 x M6	15	6306 C3	8 x 7 x 40
307	**726926**	8	**726927**	14	35	28	260	190	239	175	150	18	116	395	195.5	60	45	60	4 x M6	15	6307 C3	8 x 7 x 40
308	**726929**	10.5	**726930**	20	40	32	315	190	298	225	150	20	121	490	255.5	60	52	80	4 x M6	15	6308 C3	10 x 8 x 62
309	**726933**	13.5	**739024**	25	45	38	360	210	340	250	170	22	137	535	279.5	70	52	80	4 x M6	15	6309 C3	10 x 8 x 62
310	**726936**	15.5	**726937**	30	50	42	377	210	360	275	170	25	142	613	311.5	70	60	110	6 x M6	15	6310 C3	12 x 8 x 80
311	**726941**	23	**739025**	40	55	48	422	260	400	300	210	25	158	658	335.5	80	60	110	4 X M6	19	6311 C3	14 x 9 x 80
312	**726943**	26	**726944**	52	60	48	460	260	437	340	210	25	165	696	383.5	80	70	110	6 X M8	19	6312 C3	14 x 9 x 80
313	**726947**	30	**726948**	57	65	55	492	280	470	360	230	25	185	728	402.5	95	70	110	6 X M8	19	6313 C3	16 x 10 x 80
314	**726953**	33	**726954**	69	70	60	512	290	490	380	230	25	190	812	420.5	95	70	140	6 X M8	19	6314 C3	18 x 11 x 100
315	**726957**	41	**739027**	81	75	65	547	320	508	400	260	30	200	847	448.5	100	80	140	6 X M8	19	6315 C3	20 x 12 x 100
316	**726959**	52	**726960**	92	80	70	556	320	525	420	260	30	220	856	466.5	112	80	140	6 X M10	19	6316 C3	20 x 12 x 100
317	**726962**	58	**739028**	115	85	75	590	350	559	440	290	30	225	890	486	112	80	140	6 X M10	19	6317 C3	22 x 14 x 100
318	**726964**	62	**739029**	135	90	80	605	350	575	460	290	30	230	965	510	112	85	170	6 X M10	19	6318 C3	22 x 14 x 140
319	**726966**	82	**739030**	154	95	85	648	400	605	480	320	36	253	1008	540	125	90	170	6 X M10	24	6319 C3	22 x 14 x 140

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FEATURES/BENEFITS

DODGE®

Sleeve Bearings

SOLIDLUBE . . . . . .

Self-Lubricating, Statically Self-Aligning Bearings for Extreme Industrial Applications

- Good in temperature extremes and inaccessible locations.
- Will function effectively in a vacuum.
- Ideal where bearings are subject to dry cycles or where lube systems would be too costly.
- Usable in many corrosive (chemical) medias.
- Will operate in submersible applications of some low viscosity liquids.
- Recommended for slow speeds and limited shaft movement applications.

Sleeve Bearings

BABBITTED AND BRONZE-BUSHED BEARINGS . . . . . .

GOOD FOR SLOW SPEEDS AND SHOCK LOADS

- MPTA LOAD RATINGS
- Cast Iron Housings
- 2 and 4 Bolt Housings

Babbitted

- Solid or Fully Split Housing
- Babbitted Bearing Surface

Bronzed-Bushed

- Fully Split Housing
- Replaceable Split Bronze Bushings
- Brass Locking Spool for Easy Bushing Replacement

BRONZOIL . . . . . .

- Self Oiling Bushing Feeds Oil to Shaft
- Split Pressed Steel Housing
- Statically Self-Aligning
- Bushing Shoulder Provides Self-Lubricating Bearing Thrust Surface
- Slotted Bolt Holes
- Oil Resistant Rubber Grommets Available for Sound Isolation and Static Electricity Protection

SPECIFICATION/ HOW TO ORDER

Sleeve Bearings

HOW TO ORDER SLEEVE BEARINGS

There are two ways to specify DODGE Sleeve Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B13-5 and add any special instructions to the end of the description for options not covered by the nomenclature.

SOLIDLUBE

Statically self-aligning, non-galling, solid-film lubricating for temperature extremes.

- 700 Series: -40° to 700°F
- 1000 Series: -200° to -40°F; 250°F to 1,000°F
- 800 Series: -40° to 800°F

Also suitable for submerged and limited movement applications.

Babbitted

Grease lubricated for moderate speeds and loads, ambient temperature to 130°F, babbitt accurately bored to insure even load distribution for conveyor shafts, heavy gear, and chain drives use.

Bronze-Bushed

Grease lubricated for moderate speeds, ambient temperature to 300°F and heavy loads or shock loads make the advantage of a precision replaceable bronze bushing desirable. Other bushing material is available on a special order basis, such as bronze with graphite plugs, or phenolic resin on nylon.

BRONZOIL

Economical, statically self-aligning, and self-lubricating pillow blocks and four-bolt flange units for fans, light machinery, and other general use; ambient temperature to 180°F.

Sleeve Bearings

SLEEVE BEARING NOMENCLATURE

P2B - LT7 - 108 - SH

MODIFICATIONS/FEATURES:

SH Stainless Steel Housing (Available with SOLIDLUBE LT Series Only)

HOUSINGS:

P2B	Pillow Block, 2 Bolt Base
P4B	Pillow Block, 4 Bolt Base
F2B	Flange, 2 Bolt
F4B	Flange, 4 Bolt
HNG	Hanger Bearing
NSTU	Narrow Slot Take-Up
SCHB	Screw Conveyor Hanger Bearing
WSTU	Wide Slot Take-Up
TB	Tape Base
FB	Flange Bracket

STYLE:

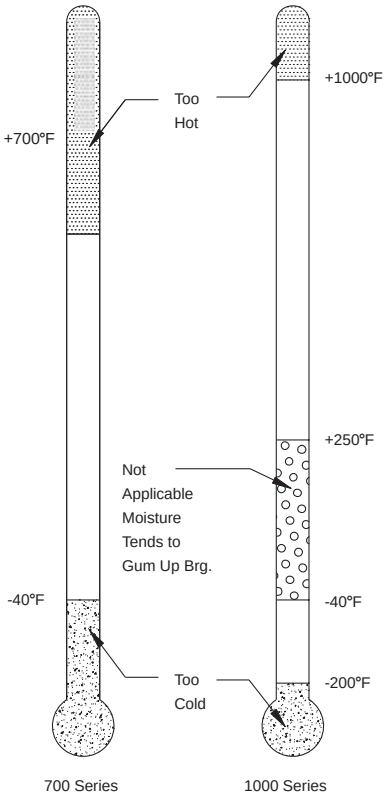
BO	BRONZOIL
BASO	Babbitted Solid
BASP	Babbitted Split
BAR	Babbitted Rigid
BAA	Babbitted Angle
BAP	Babbitted Plate
BZSP	Bronze Bushed Split
BZR	Bronze Bushed Rigid
BZA	Bronze Bushed Angle
LT7	SOLIDLUBE LT700 Series
LT10	SOLIDLUBE LT 1000 Series
LTB7	SOLIDLUBE Lower Backing Height On Pillow Blocks For LT700 Series
LTB10	SOLIDLUBE Lower Backing Height On Pillow Blocks For LT1000 Series
LT7NP	SOLIDLUBE LT700 Series Nickel Plate
LM8	SOLIDLUBE LM800 Series
MM7	SOLIDLUBE MM700 Series
MM10	SOLIDLUBE MM1000 Series

SHAFT SIZE:

115	First Digit: Number Of Inches Second And Third Digit: Sixteenths Of An Inch 115 Indicates 1-15/16
50M	FIRST TWO DIGITS: Bore In Millimeters; M : Indicates Metric Dimension

SELECTION

Sleeve Bearings - SOLIDLUBE - Inch



SOLIDLUBE Bearing Operating Temperature

Bearing Size

Select a bearing from tables for normal loads or loads in limited shaft movement applications having a radial load equal to or greater than the actual load. This simple method is all that is required for the majority of general machine applications using commercial steel shafting and operating in a dry atmosphere. (For more favorable conditions, ratings may be increased somewhat; consult factory). Shaft collars may be used for slight amounts of thrust. Generally the rule of 10% of the radial load applies. Dirty environments will reduce bearing life and should be avoided. Losses due to friction can be as high as 30% depending on speed, lead, temperature and shaft material.

Shafting

Commercial steel shafting is good in applications where temperatures do not exceed 700°F. However, for extended bearing life, at any temperature, the shaft should be hardened to 35 Rockwell “C” or better. Shaft finish should be 10 to 20 micro-inches. A finish rougher than 20μ will lessen bearing life. A finish smoother than 10 will not allow the optimum lubricant film to develop. Shaft tolerance should be +.000/-.002 for commercial steel shafting. If using other shaft materials, consult DODGE for the shaft tolerance and thermal expansion.

When commercial shafting is exposed to a corrosive media, it will oxidize. A rusty shaft will grow in the bearing, thus eliminating clearances. In this case stainless steel shafting may be used and/or provide for regularly scheduled movement of shaft. In elevated temperatures stainless grades such as 17-4, 15-5, or 13-8 are hardenable. Shafts can be spray coated with ceramic or hard chrome. This is good up to about 800°F. Check with your supplier, since these coatings can flake off when the coefficient of thermal expansion of the base material differs greatly from that of the coating.

High grade specialty shafting may be used in excess of 1000°F. It may be less expensive to use sleeves of this material on more economical shafting.

Noise or High Pitched Squeal

Carbon-graphite bushings can develop a high frequency vibration in resonance with the operating system to cause noise. Dampening or change of resonant frequency of the shaft is required to eliminate noise.

Specials

SOLIDLUBE bearings or bearings made from alternate bushing materials such as polymers, fibers, bronze, etc. for unusual operating and load conditions are available on a specially engineered basis by supplying the following:

- Shaft size, material and rpm.
- Normal load, shock load and frequency.
- Direction of load.
- Ambient temperature and atmospheric conditions (water, dirt, corrosive, etc.)
- Type of bearing: pillow block, flange bearing, etc.
- Housing material desired.
- Quantity.

End Closures

Ball Bearing end Closures are available (B3-136).

Note: SOLIDLUBE bearings are not designed for rotating housing applications

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DODGE®

Sleeve Bearings - SOLIDLUBE - Inch

SOLIDLUBE 700, 1000 and 800 Series

SOLIDLUBE Bearing 700 and 1000 Series Radial Load Ratings in Pounds (Normal Loads)

Shaft Size	Radial Load Ratings in Pounds at various Revolutions per Minute											
	Up to 10	25	50	75	100	150	200	250	300	350	400	450
3/4	560	560	560	560	560	380	285	230	190	165	145	125
7/8, 15/16, 1	750	750	750	750	610	405	315	245	205	175	155	130
1-1/8, 1-3/16	1050	1050	1050	908	680	450	340	270	225	190	170	150
1-1/4, 1-3/8, 1-7/16, 1-1/2	1610	1610	1610	1140	855	570	430	340	280	245	215	190
1-11/16, 1-3/4	1980	1980	1790	1190	895	595	440	390	295	255	220	200
1-15/16, 2	2360	2360	1860	1240	930	620	465	370	310	265	235	205
2-3/16	2870	2870	2010	1340	1000	670	500	400	335	285	250	225
2-7/16, 2-1/2	3760	3760	2360	1580	1180	795	590	475	390	340	295	265
2-15/16, 3	5970	5970	3120	2070	1560	1040	780	625	515	445	390	345
3-7/16, 3-1/2	9100	8010	4000	2670	2000	1340	1000	800	670	570	500	445
3-15/16, 4	11800	9160	4590	3060	2290	1530	1150	930	765	665	575	510
4-7/16, 4-1/2	15200	10300	5150	3440	2580	1720	1290	1030	860	740	645	...
4-15/16, 5	18400	11400	5710	3810	2860	1910	1430	1140	955	815	...	...

Shaft Size	500	550	600	700	800	900	1000	1100	1300	1600	1900	2200	2500
3/4	110	105	96	82	72	64	57	52	44	35	30	26	22
7/8, 15/16, 1	120	110	105	90	80	70	60	54	47	38	32		
1-1/8, 1-3/16	135	125	115	97	85	75	68	62	42	42			
1-1/4, 1-3/8, 1-7/16, 1-1/2	170	155	145	120	105	95	86	78	66				
1-11/16, 1-3/4	180	165	150	130	110	99	89	81					
1-15/16, 2	185	170	155	135	115	105							
2-3/16	200	180	165	145	125								
2-7/16, 2-1/2	235	215	195	170									
2-15/16, 3	345	315	290										
3-7/16, 3-1/2	400	365											

NOTE: The above ratings apply to all base loaded pillow blocks, all cylindrical units and flange type bearings (up to 700°F). For flange bearings operating at temperatures above 700°F, cap and side loading of pillow blocks consult Application Engineering. For operations speeds below heave line, use LT1000 and/or hardened shaft.

SOLIDLUBE Bearing Corrosion (Chemical) Resistance

Type of Chemical	Chemical	Bearing Series LM800 700	Bearing Series 1000
Acids and Acidic Solutions	Mineral (Non-Oxidizing)	★	★
	Mineral (Oxidizing)	■	★
	Inorganic Salts (Acid Forming)	★	★
	Organic (Strong)	★	★
	Organic (Weak) pH 3-7	★	★
	Organic Salts (Acid Forming)	★	★
Alkalis (Bases & Alkaline Solutions)	Mineral (Non-Oxidizing)	★	★
	Mineral (Oxidizing)	▲	★
	Inorganic Salts (Base Forming)	★	★
	Organic (Strong)	★	★
	Weak Organic Bases pH 7-11	★	★
Gases	Acid	★	★
	Alkaline (base)	★	★
	Anhydrous (dew Point below -30˚F)	▲	▲
	Cyrogenic (Liquefied)	■	▲
	Inert	★	★
	Oxidizing	■	▲
	Reducing	★	★
Salts	Acid Salts	▲	▲
	Alkaline Sales	▲	▲
	Metals	★	★
	Neutral Salts	■	▲
	Neutral Salt Solutions	★	★
Solvents	Aliphatic	★	★
	Aromatic	★	★
	Chlorinated, Fluorinated	★	★
	Oxygenated, Sulfides	★	★

★ Good. Not known interaction; compatible
▲ Questionable (depends on conditions)
■ Not recommended

Note: For compatibility or specific chemical, contact Application Engineering

700 and 1000 Series SOLIDLUBE Bearing Radial Load Rating in Pounds (Limited Shaft Movement Applications) ▲

Shaft Size	Max. Radial Load Base Loaded	Max. Radial Load Cap or Side Loading	Max. Thrust
3/4	1100	775	56
7/8, 15/16, 1	1500	795	75
1-1/8, 1-3/16	2100	820	105
1-1/4, 1-3/8, 1-7/16, 1-1/2	3200	1710	161
1-11/16, 1-3/4	4000	1905	198
1-15/16, 2	4700	1920	236
2-3/16	5700	1900	287
2-7/16, 2-1/2	7500	2360	376
2-15/16, 3	12,000	4151	597

▲ Use only when shaft movement is limited to approx. ±90°. Movement is infrequent as opposed to continuous and maximum bearing temperature is 700°F.

LM800 Radial Load Ratings

Bearing Size	Max. Radial Base Load	Max. Radial Cap Load
3/4	560	560
1	750	600
1-1/4	1610	600
1-1/2	1610	600

Note: These load ratings are to be used only when shaft rotation is less than 10 RPM and temperature does not exceed 800° F. Maximum allowable thrust load is 50 lbs.

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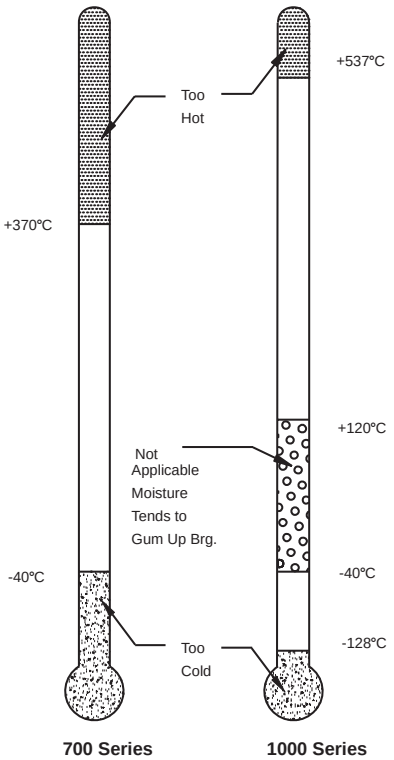
SELECTION

Sleeve Bearings - SOLIDLUBE - Metric



SOLIDLUBE Bearing Operating Temperature

Bearing Size

Select a bearing from tables for normal loads or loads in limited shaft movement applications having a radial load equal to or greater than the actual load. This simple method is all that is required for the majority of general machine applications using commercial steel shafting and operating in a dry atmosphere. (For more favorable conditions, ratings may be increased somewhat; consult factory). Shaft collars may be used for slight amounts of thrust. Generally the rule of 10% of the radial load applies. Dirty environments will reduce bearing life and should be avoided. Losses due to friction can be as high as 30% depending on speed, load, temperature and shaft material.

Shafting

Commercial steel shafting is good in applications where temperatures do not exceed 370°C. However, for extended bearing life, at any temperature, the shaft should be hardened to 35 Rockwell “C” or better. Shaft finish should be .25 to .50 micro-meters. A finish rougher than .50 will lessen bearing life. A finish smoother than R_a. 25 micro-meters will not allow the optimum lubricant film to develop. Shaft tolerance should be +.000/-.051 millimeters for commercial steel shafting. If using other shaft materials, consult DODGE for the shaft tolerance and thermal expansion.

When commercial shafting is exposed to a corrosive media, it will oxidize. A rusty shaft will grow in the bearing, thus eliminating clearances. In this case stainless steel shafting may be used and/or provide for regularly scheduled movement of shaft. In elevated temperatures stainless grades such as 17-4, 15-5, or 13-8 are hardenable. Shafts can be spray coated with ceramic or hard chrome. This is good up to about 425°C. Check with your supplier, since these coatings can flake off when the coefficient of thermal expansion of the base material differs greatly from that of the coating.

High grade specialty shafting may be used in excess of 537°C. It may be less expensive to use sleeves of this material on more economical shafting.

Noise or High Pitched Squeal

Carbon-graphite bushings can develop a high frequency vibration in resonance with the operating system to cause noise. Dampening or change of resonant frequency of the shaft is required to eliminate noise.

Specials

SOLIDLUBE bearings or bearings made from alternate bushing materials such as polymers, fibers, bronze, etc. for unusual operating and load conditions are available on a specially engineered basis by supplying the following:

- Shaft size, material and rpm.
- Normal load, shock load and frequency.
- Direction of load.
- Ambient temperature and atmospheric conditions (water, dirt, corrosive, etc.)
- Type of bearing: pillow block, flange bearing, etc.
- Housing material desired.
- Quantity.

End Closures

Ball Bearing End Closures are available (Page B3-136).

Note: SOLIDLUBE bearings are not designed for rotating housing applications

Sleeve Bearings - SOLIDLUBE - Metric
SOLIDLUBE BEARING 700 and 1000 SERIES

SOLIDLUBE Bearing 700 and 1000 Series Radial Load Ratings in Newtons (N) Normal Loads

Series	Shaft Size	Radial Load Ratings in Newtons at Various Revolutions per Minute											
		10	25	50	75	100	150	200	250	300	350	400	450
204	20mm	2490	2490	2490	2490	2490	1690	1270	1020	840	730	640	560
205	25mm	3340	3340	3340	3340	2710	1800	1400	1090	910	780	690	580
206	30mm	4670	4670	4670	4040	3020	2000	1510	1200	1000	840	760	670
207	35mm	7160	7160	7160	5070	3800	2540	1910	1510	1240	1090	960	840
209	40mm, 45mm	8800	8800	7960	5290	3980	2650	1960	1740	1310	1130	980	890
210	50mm	10500	10500	8270	5520	4140	2760	2070	1650	1380	1180	1040	910
212	60mm	16700	16700	10500	7030	5250	3540	2620	2110	1730	1510	1310	1180
215	70mm, 75mm	26500	26500	13900	9200	6940	4630	3470	2780	2290	1980	1740	1540

Series	Shaft Size	Radial Load Ratings in Newtons at Various Revolutions per Minute											
		500	550	600	700	800	900	1000	1100	1300	1600	1900	2200	2500
204	20mm	490	470	430	360	320	200	250	230	200	160	130	120	100
205	25mm	530	490	470	400	360	310	270	240	210	170	140		. ..
206	30mm	600	560	510	430	380	330	300	280	190	190		. .	.
207	35mm	760	690	640	530	470	420	380	350	300	. .	.	. .	.
209	40mm, 45mm	800	730	670	580	490	440	400	360	. . .	. .	.	. .	.
210	50mm	820	760	690	600	510	470	. . .	. . .	. . .	. .	.	. .	.
212	60mm	1040	960	870	760	. . .	. . .	. . .	. . .	. . .	. .	.	. .	.
215	70mm, 75mm	1530	1400	1290	. . .	. . .	. . .	. . .	. . .	. . .	. .	.	. .	.

NOTE: The above ratings apply to all base loaded pillow blocks, all cylindrical units an flange type bearings (up to 370°C). For flange bearings operating at temperatures above 370°C, cap and side loading of pillow blocks consult Applications Engineering. For operation speeds below heavy line, use LT1000 and/or hardened shaft.

SOLIDLUBE Bearings
700 Series and 1000 Series
Radial Load Ratings in Newtons (N)
(Limited Shaft Movement Applications) ▲

Series	Shaft Size	Max. Radial Load		Max. Thrust Load
		Base Loaded	Cap or Side Loading	
204	20mm	4890	3450	250
205	25mm	6670	3540	330
206	30mm	9340	3650	470
207	35mm	14200	7600	720
209	40mm, 45mm	17800	8470	880
210	50mm	20900	8540	1050
212	60mm	33400	10500	1670
215	70mm, 75mm	53400	18500	2660

▲ Use only when shaft movement is Limited to approx. ± 90°
Movement is infrequent as opposed to continuous and maximum bearing temperature is 370°C.

SELECTION

Sleeve Bearings - Babbitted and Bronze-Bushed

General Information

SCOPE-for Stock Babbitted and Bronze Bushed Bearings, Pillow Blocks and Take-Ups of the Rigid, Grease Lubricated Type.

Important-Referring to Table and Table on the opposite page: Table ratings apply to the following DODGE Babbitted Sleeve Bearings:

Solid Journals

Split Babbitted Journals

Rigid Babbitted Pillow Blocks

Angle Babbitted Pillow Blocks

Plate Type Flange Bearings

Type H Take-Ups

Type A and B Take-Ups

Table 2 ratings apply to DODGE Bronze Bushed Pillow Blocks:

Split Bronze Bushed Journals

Rigid Bronze Bushed Pillow Blocks

Angle Bronze Bushed Pillow Blocks

Note - Ratings do not apply to BRONZOIL, Polymer SLEEVOIL or SOLIDLUBE pillow blocks.

Reference - Flush type reducer bushings to be used with Part Number **405015** 1/8 NPT grease fitting:

Part No.	Description
430081	1/2 x 1/8
430086	3/8 x 1/8
430085	3/8 x 1/4
430087	1/4 x 1/8
430088	1/2 x 1/4

Selection - Select a bearing from rating tables having a radial load equal to or greater than the Actual Radial Load, provided that operating conditions numbered 1 thru 7, at right, are met. If these conditions cannot be met, select a bearing for an Equivalent Radial Load to be obtained by multiplying the Actual Radial Load by a service factor depending on the specific application. Use a factor of up to 2.0 for areas in the rating table to the left of the zigzag line. Use a factor of up to 3.0 for areas to the right of the zigzag line.

Load ratings are based on industry standard ratings established by the Mechanical Power Transmission Association. (Standard No. 401)

Operating Conditions

1. Maintain adequate grease lubrication.
2. Maintain proper bearing alignment for uniform distribution of load under all operating conditions.
3. Normal running loads must not exceed ratings shown in the load tables. Starting and occasional peak loads should not exceed ratings by more than 100%.
4. Direction of load should not be closer than 30° to grease groove or closer than 30° to the joint between cap and base. If direction of load falls within this area which is not recommended, decrease maximum load by 50%.
5. The shaft journal surface finish must be equal to that of commercial steel shafting (about 32 micro inches) and the diameter within the tolerances of commercial steel shafting (+.000 / -.002)
6. Ambient temperature should not exceed 130°F for babbitted and 300°F for bronze-bushed bearings. If the shaft transmits heat from a source such as an oven, the shaft temperature at the bearing should not exceed these ambient temperatures.
7. Bearings should be protected against adverse operating conditions.

Sleeve Bearings - Babbitted and Bronze-Bushed

Radial Load Ratings
(Refer To Instructions On Opposite Page)

Table 1: MPTA Radial Load Ratings for Babbitted Sleeve Bearings

Shaft Sizes	Radial Load Rating in Lbs. at Various Revolutions Per Minute															
	10	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
1/2	100	100	100	95	95	95	95	95	90	90	90	85	85	85	80	80
5/8	150	150	145	145	140	140	135	135	135	130	130	125	120	115	110	110
3/4	180	175	175	170	170	165	160	160	155	155	150	145	140	130	125	120
7/8	260	255	250	245	240	235	230	225	220	215	210	200	190	180	150	...
15/16	280	275	265	260	255	250	245	240	235	225	220	210	200	185	105	...
1	295	290	285	280	270	265	260	250	245	240	230	220	205	...	...	...
1-1/8	415	410	400	390	380	370	355	345	335	325	315	295	245	...	...	...
1-3/16, 1-1/4	440	430	420	410	395	385	375	360	350	340	325	305	190	...	...	...
1-5/16, 1-3/8	585	570	555	535	520	505	485	470	455	435	420	345	...	...	...	...
1-7/16, 1-1/2	640	625	605	585	565	545	525	500	480	460	440	205	...	...	...	...
1-11/16, 1-3/4	875	850	820	785	755	720	690	655	625	590	340	...	...	...	...	...
1-15/16, 2	1150	1110	1060	1010	965	915	865	815	730	335	...	...	...	...	...	...
2-3/16, 2-1/4	1460	1400	1330	1260	1190	1120	1050	975	410	...	...	...	...	...	...	...
2-7/16, 2-1/2	1800	1730	1630	1530	1430	1340	1240	645	...	...	...	...	...	...	...	...
2-11/16, 2-3/4	2190	2080	1950	1820	1690	1560	1150	110	...	...	...	...	...	...	...	...
2-15/16, 3	2600	2470	2300	2130	1960	1790	675	...	...	...	...	...	...	...	...	...
3-7/16, 3-1/2	3550	3330	3060	2790	2520	1200	...	...	...	...	...	...	...	...	...	...
3-15/16, 4	4640	4310	3910	3500	2760	...	...	...	...	...	...	...	...	...	...	...
4-7/16, 4-1/2	5870	5410	4830	4250	1410	...	...	...	...	...	...	...	...	...	...	...
4-15/16, 5	7240	6600	5810	5010	...	...	...	...	...	...	...	...	...	...	...	...
5-7/16, 5-12	8750	7900	6840	4360												
5-15/16, 6	10410	9300	7910	2390												
6-7/16, 6-1/2	12200	10790	9020	...												
6-15/16, 7	14120	12360	10150	...												
7-7/16, 7-1/2	17270	14950	12050	...												
7-15/16, 8	18390	15750	10710	...												
9	20750	17360	4140													
10	22950	18760	...													
12	30700	23190	...													

For speeds lower than 10 rpm consult DODGE.

Table 2: MPTA Radial Load Ratings for Bronze Bushed Sleeve Bearings

Shaft Sizes	Radial Load Rating in Lbs. at Various Revolutions Per Minute															
	10	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
1/2	170	170	165	165	165	165	165	160	160	160	160	155	155	150	150	145
5/8	250	250	245	245	245	240	240	235	235	235	230	225	220	220	215	210
3/4	300	300	295	295	290	285	285	280	280	275	270	265	260	255	250	240
7/8	435	430	425	420	415	410	405	400	395	390	385	375	365	355	325	245
15/16	465	460	455	450	445	435	430	425	420	415	410	395	385	375	295	200
1	495	490	485	480	470	465	460	450	445	440	430	420	405	360	255	150
1-1/8	700	690	680	670	660	650	640	630	620	605	595	575	525	360	195	...
1-3/16, 1-1/4	735	730	715	705	695	680	670	660	645	635	625	600	485	300	115	...
1-5/16, 1-3/8	980	965	950	930	915	895	880	865	845	830	815	735	465	195	...	...
1-7/16, 1-1/2	1070	1050	1030	1010	995	975	955	935	915	895	875	635	315	...	...	...
1-11/16, 1-3/4	1470	1440	1410	1370	1340	1310	1280	1240	1210	1180	930	410	...	...	...	...
1-15/16, 2	1920	1880	1830	1790	1740	1690	1640	1590	1500	1110	715	...	...	...	...	...
2-3/16, 2-1/4	2440	2390	2320	2240	2170	2100	2030	1960	1390	830	265	...	...	...	...	...
2-7/16, 2-1/2	3020	2940	2850	2750	2650	2560	2460	1860	1090	...	...	...	...	...	...	...
2-11/16, 2-3/4	3660	3560	3430	3300	3170	3040	2620	1580	545	...	...	...	...	...	...	...
2-15/16, 3	4370	4230	4060	3890	3720	3550	2440	...	...	...	...	...	...	...	...	...
3-7/16, 3-1/2	5960	5740	5470	5200	4930	3610	1440	...	...	...	...	...	...	...	...	...
3-15/16, 4	7790	7460	7060	6650	5910	...	...	...	...	...	...	...	...	...	...	...
4-7/16, 4-1/2	9860	9400	8820	8240	5400	...	...	...	...	...	...	...	...	...	...	...
4-15/16, 5	12180	11540	10740	9950	4090	...	...	...	...	...	...	...	...	...	...	...
5-7/16, 5-1/2	14740	13880	12820	10340	1820											
5-15/16, 6	17530	16420	15040	9520	...											
6-7/16, 6-1/2	20560	19150	17390	7900	...											
6-15/16, 7	23840	22070	19870	5350	...											
7-7/16, 7-1/2	29170	26850	23950	1880	...											
7-15/16, 8	31090	28450	23410	...	...											
9	35150	31760	18540													
10	38950	34760	2220													
12	52300	45520	...													

For speeds lower than 10 rpm consult DODGE.

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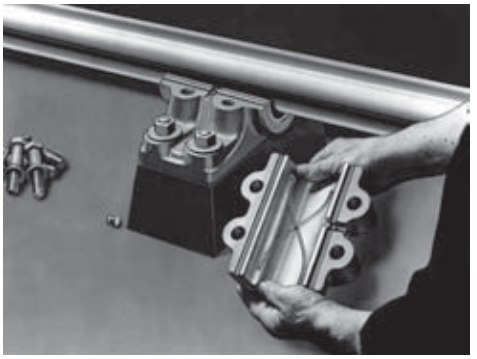
SELECTION

Sleeve Bearings - Bronze Bushings

Lower half of new bushing is installed by relieving shaft pressure, prying out old bushing and rolling in new one.



New bushing upper half is easily dropped into bearing cap. Grease grooves in the top of bore offer adequate lubrication.

- For Split Bronze Bushed Journal Bearings.
- For Rigid Bronze Bushed Pillow Blocks.
- For Angle Bronze Bushed Pillow Blocks.

These precision bushings are machined from quality cast cylinders of high grade leaded bronze. They are furnished in matched halves and sold in complete sets only. Grease grooves are provided in the top half for proper lubrication. Bushings are designed to be installed in the bearings listed above without removing the shaft or bearing base. A brass locking spool positions the bushing preventing lateral movement or rotation. This simple method minimizes down time and labor costs. They are particularly suited for heavy loads, elevated temperatures and corrosive conditions.

Bushings made of special alloys can be furnished where especially difficult heat problems may arise. They will be priced on application.

Bronze Bushing Sets ♠

Shaft Size	Bushing Sets†		Locking Spools*
	Part No.	Wt.	Part No.
1-15/16	**005055**	1.70	**005050**
2-3/16	**005056**	2.10	
2-7/16	**005057**	2.50	
2-11/16	**005058**	3.10	
2-15/16	**005059**	3.60	
3-7/16	**005060**	4.90	
3-15/16	**005061**	9.70	**005051**
4-7/16	**005062**	14	
4-15/16	**005063**	15	
5-7/16	**005064**	18	**005052**
5-15/16	**005065**	21	
6-1/2	**005066**	28	**005053**
7	**005067**	33	
7-1/2	**005117**	37	
8	**005068**	42	

♠ For other bushing material consult DODGE

† Price is for one bushing set which includes upper and lower half

* Order separately if desired

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DODGE®

Sleeve Bearings - BRONZOIL

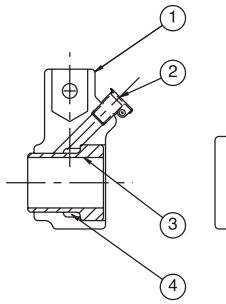
RADIAL LOAD RATINGS FOR BRONZOIL SLEEVE BEARINGS

Shaft Sizes	Radial Load Rating in Lbs. at Various Revolutions Per Minute					
	50	100	200	500	1000	1500
1/2	230	225	220	175	120	110
5/8	250	240	230	180	125	105
3/4	260	250	240	185	130	100
7/8	280	270	260	190	145	95
15/16	380	360	290	200	150	90
1	420	400	300	210	160	85
1-3/16	500	475	395	250	135	115
1-1/4	525	500	415	260	140	120

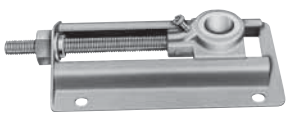
Shaft	Radial Load Rating in Lbs. at Various Revolutions Per Minute				
Sizes	2000	2500	3000	3500	4000
1/2	90	80	60	50	45
5/8	80	65	55	45	35
3/4	70	55	50	35	...
7/8	60	50	45	...	...
15/16	55	45	40	...	...
1	50	40	...	...	...
1-3/16	60	...	...	...	...
1-1/4	63	...	...	...	...

BRONZOIL Take-Up Bearing Assembly

Size	(TUBO--) Assy.No.	1	2	3	4
1/2	**034030**	034001	405046	034013	444010
5/8	**034031**	034001	405046	034014	444010
3/4	**034032**	034001	405046	034015	444010
7/8	**034033**	034002	405046	034016	444010
15/16	**034034**	034002	405046	034017	444010
1	**034035**	034002	405046	034018	444010



1. BRONZOIL Housing
2. BRONZOIL Take-Up Oil Cup
3. BRONZOIL Bushing
4. BRONZOIL Permawick



Select a bearing from the rating tables having a radial load equal to or greater than the actual load providing normal operating conditions are met. If these conditions cannot be met, select a bearing for an equivalent radial load to be obtained by multiplying the actual radial load by a 2.0 to 4.0 service factor-depending on specific application.

Normal Operating Conditions:

1. Adequate oil supply.
2. Proper bearing alignment for uniform distribution of load at all operating conditions.
3. No shock loading.
4. No adversely high operating conditions.
5. No moist, corrosive, or abrasive atmosphere.
6. Shaft surface finish must be equal to that of commercial steel shafting. (About 32 micro inches)
7. Shaft diameter tolerance within +.000/ -.002.
8. Maximum operating temperature 180°F.

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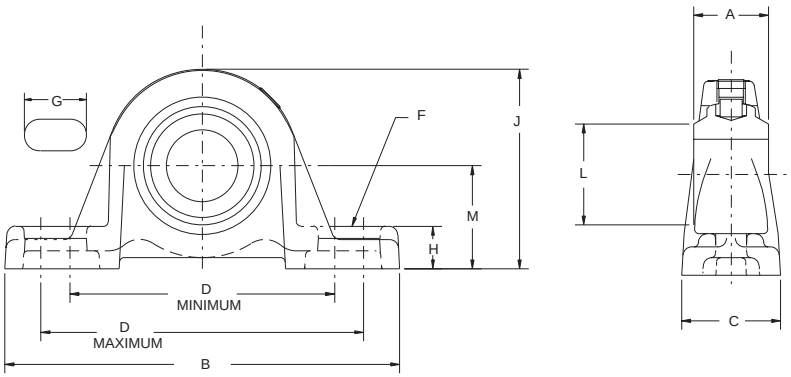
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT PILLOW BLOCKS



Series	Shaft Size	700 SERIES			1000 SERIES			Used on Frame
		Part Number	Description	Wt.	Part Number	Description	Wt.	
204	3/4	**033667**	P2B-LT7-012	1.70	**033977**	P2B-LT10-012	1.70	LD-10
	20mm	***034225***	*P2B-LT7-20M*	*0.77*	***034234***	*P2B-LT10-20M*	*0.77*	*LD-10*
205	7/8	**033668**	P2B-LT7-014	1.60	**033978**	P2B-LT10-014	1.60	LD-10
	15/16	**033669**	P2B-LT7-015	1.50	**033979**	P2B-LT10-015	1.50	
	1	**033670**	P2B-LT7-100	1.40	**033980**	P2B-LT10-100	1.40	
	25mm	***034226***	*P2B-LT7-25M*	*0.64*	***034235***	*P2B-LT10-25M*	*0.64*	*LD-10*
206	1-1/8	**033672**	P2B-LT7-102	2.80	**033982**	P2B-LT10-102	2.80	LD-20
	1-3/16	**033673**	P2B-LT7-103	2.70	**033983**	P2B-LT10-103	2.70	
	30mm	***034227***	*P2B-LT7-30M*	*1.22*	***034236***	*P2B-LT10-30M*	*1.22*	*LD-20*
207	1-1/4	**033674**	P2B-LT7-104	4.20	**033984**	P2B-LT10-104	4.20	LD-20
	1-3/8	**033676**	P2B-LT7-106	3.90	**033986**	P2B-LT10-106	3.90	
	1-7/16	**033677**	P2B-LT7-107	3.80	**033987**	P2B-LT10-107	3.80	
	1-1/2	**033678**	P2B-LT7-108	3.70	**033988**	P2B-LT10-108	3.70	
	35mm	***034228***	*P2B-LT7-35M*	*1.77*	***034237***	*P2B-LT10-35M*	*1.77*	*LD-20*
209	1-11/16	**033680**	P2B-LT7-111	6.00	**033990**	P2B-LT10-111	6.00	LD-20
	1-3/4	**033681**	P2B-LT7-112	5.80	**033991**	P2B-LT10-112	5.80	
	40mm	***034229***	*P2B-LT7-40M*	*2.72*	***034238***	*P2B-LT10-40M*	*2.72*	*LD-20*
	45mm	***034230***	*P2B-LT7-45M*	*2.63*	***034239***	*P2B-LT10-45M*	*2.63*	
210	1-15/16	**033682**	P2B-LT7-115	6.80	**033992**	P2B-LT10-115	6.80	LD-30
	2	**033683**	P2B-LT7-200	6.60	**033993**	P2B-LT10-200	6.60	
	50mm	***034231***	*P2B-LT7-50M*	*3.08*	***034240***	*P2B-LT10-50M*	*3.08*	*LD-30*
211	2-3/16	**033684**	P2B-LT7-203	8.00	**033994**	P2B-LT10-203	8.00	LD-40
212	2-7/16	**033686**	P2B-LT7-207	10.10	**033996**	P2B-LT10-207	10.10	LD-40
	2-1/2	**033687**	P2B-LT7-208	9.80	**033997**	P2B-LT10-208	9.80	
	60mm	***034221***	*P2B-LT7-60M*	*4.58*	***034241***	*P2B-LT10-60M*	*4.58*	*LD-40*
215	2-15/16	**033688**	P2B-LT7-215	21.20	**033998**	P2B-LT10-215	21.20	LD-45
	3	**033077**	P2B-LT7-300	20.90	**033974**	P2B-LT10-300	20.90	
	70mm	***034232***	*P2B-LT7-70M*	*9.98*	***034242***	*P2B-LT10-70M*	*9.98*	*LD-45*
	75mm	***034233***	*P2B-LT7-75M*	*9.62*	***034243***	*P2B-LT10-75M*	*9.62*	

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DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT PILLOW BLOCKS

Series	Shaft Size	A	B	C	D		F	G	H	J	L	M
					Min.	Max.	Bolt Dia.					
204	3/4 *20mm*	1 *25.4*	5-1/4 *133.4*	1-11/32 *34.1*	3-3/8 *85.7*	4-3/16 *106.4*	3/8 *10*	27/32 *21.4*	17/32 *13.5*	2-9/16 *65.1*	1-3/8 *34.9*	1-5/16 *33.3*
205	7/8 15/16 1 *25mm*	1-1/16 *27.0*	5-1/2 *139.7*	1-13/32 *35.7*	3-11/16 *93.7*	4-1/2 *114.3*	3/8 *10*	27/32 *21.4*	19/32 *15.1*	2-25/32 *70.6*	1-9/16 *39.7*	1-7/16 *36.5*
206	1-1/8 1-3/16 *30mm*	1-3/16 *30.2*	6-1/4 *158.8*	1-3/4 *44.5*	4-1/4 *108.0*	5 *127.0*	1/2 *12*	15/16 *23.8*	11/16 *17.5*	3-1/4 *82.6*	1-13/16 *46.0*	1-5/8 *41.3*
207	1-1/4 1-3/8 1-7/16 1-1/2 *35mm*	1-5/16 *33.3*	6-1/2 *165.1*	1-3/4 *44.5*	4-11/16 *119.1*	5-7/16 *138.1*	1/2 *12*	15/16 *23.8*	23/32 *18.3*	3-3/4 *95.3*	2-1/8 *54.0*	1-7/8 *47.6*
209	1-11/16 1-3/4 *40mm* *45mm*	1-9/16 *39.7*	7-7/16 *188.9*	2 *50.8*	5-1/2 *139.7*	6-3/16 *157.2*	1/2 *12*	29/32 *23.0*	3/4 *19.1*	4-9/32 *108.7*	2-9/16 *65.1*	2-1/8 *54.0*
210	1-15/16 2 *50mm*	1-5/8 *41.3*	8-1/8 *206.4*	2-1/4 *57.1*	6 *152.4*	6-11/16 *170.0*	5/8 *16*	1-1/32 *26.2*	3/4 *19.1*	4-17/32 *115.1*	2-13/16 *71.4*	2-1/4 *57.2*
211	2-3/16	1-3/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	7/8	4-31/32	3-1/8	2-1/2
212	2-7/16 2-1/2 *60mm*	1-13/16 *46.0*	9-1/2 *241.3*	2-3/8 *60.3*	6-7/8 *174.6*	7-15/16 *201.6*	5/8 *16*	1-7/32 *31.0*	7/8 *22.2*	5-13/32 *137.3*	3-1/2 *88.9*	2-3/4 *69.9*
215	2-15/16 3 *70mm* *75mm*	2-23/32 *69.1*	11-3/4 *298.5*	2-7/8 *73.0*	8-1/2 *215.9*	9-1/2 *241.3*	7/8 *22*	1-7/16 *36.5*	1 *25.4*	6-3/4 *171.5*	3-15/16 *100.0*	3-1/2 *88.9*

All Dimensions Are In Millimeters Unless Otherwise Specified

The LT and LTB Pillow Blocks Are Identical Except the LTB Pillow Blocks Have Lower Backing Dimensions

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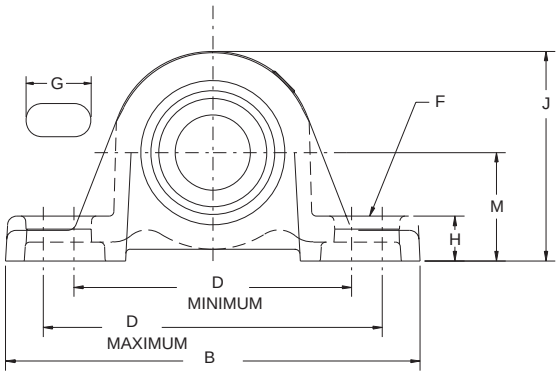
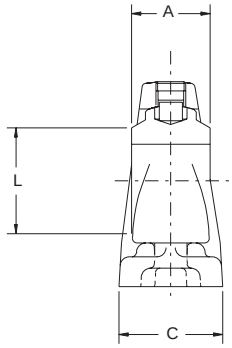
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LTB PILLOW BLOCKS





Series	Shaft Size	700 SERIES			1000 SERIES			Used on Frame
		Part No.	Description	Wt.	Part No.	Description	Wt.	
204	3/4	**032940**	P2B-LTB7-012	1.6	**032970**	P2B-LTB10-012	1.6	LD-10
	20mm	***034244***	*P2B-LTB7-20M*	*0.73*	***034252***	*P2B-LTB10-20M*	*0.73*	*LD-10*
205	7/8	**032941**	P2B-LTB7-014	1.5	**032971**	P2B-LTB10-014	1.5	LD-10
	15/16	**032942**	P2B-LTB7-015	1.4	**032972**	P2B-LTB10-015	1.4	
	1	**032943**	P2B-LTB7-100	1.3	**032973**	P2B-LTB10-100	1.3	
	25mm	***034245***	*P2B-LTB7-25M*	*0.59*	***034253***	*P2B-LTB10-25M*	*0.59*	*LD-10*
206	1-1/8	**032945**	P2B-LTB7-102	2.7	**032975**	P2B-LTB10-102	2.7	LD-20
	1-3/16	**032946**	P2B-LTB7-103	2.6	**032976**	P2B-LTB10-103	2.6	
	30mm	***034246***	*P2B-LTB7-30M*	*1.18*	***034254***	*P2B-LTB10-30M*	*1.18*	*LD-20*
207	1-1/4	**032947**	P2B-LTB7-104	4	**032977**	P2B-LTB10-104	4	LD-20
	1-3/8	**032949**	P2B-LTB7-106	3.8	**032979**	P2B-LTB10-106	3.8	
	1-7/16	**032950**	P2B-LTB7-107	3.7	**032980**	P2B-LTB10-107	3.7	
	1-1/2	**032951**	P2B-LTB7-108	3.6	**032981**	P2B-LTB10-108	3.6	
	35mm	***034247***	*P2B-LTB7-35M*	*1.72*	***034255***	*P2B-LTB10-35M*	*1.72*	*LD-20*
209	1-11/16	**032953**	P2B-LTB7-111	5	**032983**	P2B-LTB10-111	5	LD-20
	1-3/4	**032954**	P2B-LTB7-112	4.8	**032984**	P2B-LTB10-112	4.8	
	40mm	***034248***	*P2B-LTB7-40M*	*2.27*	***034256***	*P2B-LTB10-40M*	*2.27*	*LD-20*
	45mm	***034249***	*P2B-LTB7-45M*	*2.18*	***034257***	*P2B-LTB10-45M*	*2.18*	
210	1-15/16	**032955**	P2B-LT87-115	6	**032985**	P2B-LTB10-115	6	LD-30
	2	**032956**	P2B-LTB7-200	5.8	**032986**	P2B-LTB10-200	5.8	
	50mm	***034250***	*P2B-LTB7-50M*	*2.72*	***034258***	*P2B-LTB10-50M*	*2.72*	*LD-30*
211	2-3/16	**032957**	P2B-LTB7-203	6.5	**032987**	P2B-LTB10-203	6.5	LD-40
	2-7/16	**032959**	P2B-LTB7-207	8.1	**032989**	P2B-LTB10-207	8.1	
212	2-1/2	**032960**	P2B-LTB7-208	7.8	**032990**	P2B-LTB10-208	7.8	LD-40
	60mm	***034251***	*P2B-LTB7-60M*	*3.67*	***034259***	*P2B-LTB10-60M*	*3.67*	*LD-40*
215	2-15/16	**034596**	P2B-LTB7-215	18.7	**034598**	P2B-LTB10-215	18.7	LD-45
	3	**034597**	P2B-LTB7-300	18.4	**034599**	P2B-LTB10-300	18.4	
	70mm	....	....	....	....	....	....	*LD-45*
	75mm	....	....	....	....	....	....	

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DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LTB PILLOW BLOCKS

Series Size	Shaft	A	B	C	D		F	G	H	J	L	M
					Min.	Max.	Bolt Dia.					
204	3/4 *20mm*	1 *25.4*	5-1/4 *133.4*	1-11/32 *34.1*	3-3/8 *85.7*	4-3/16 *106.4*	3/8 *10*	27/32 *21.4*	15/32 *11.9*	2-1/2 *63.5*	1-3/8 *34.9*	1-1/4 *31.8*
205	7/8 15/16 1 *25mm*	1-1/16 *27.0*	5-1/2 *139.7*	1-13/32 *35.7*	3-11/16 *93.7*	4-1/2 *114.3*	3/8 *10*	27/32 *21.4*	15/32 *11.9*	2-21/32 *67.5*	1-9/16 *39.7*	1-5/16 *33.3*
206	1-1/8 1-3/16 *30mm*	1-3/16 *30.2*	6-1/4 *158.8*	1-3/4 *44.5*	4-1/4 *108.0*	5 *127.0*	1/2 *12*	15/16 *23.8*	5/8 *15.9*	3-3/16 *81.0*	1-13/16 *46.0*	1-9/16 *39.7*
207	1-1/4 1-3/8 1-7/16 1-1/2 *35mm*	1-5/16 *33.3*	6-1/2 *165.1*	1-3/4 *44.5*	4-11/16 *119.1*	5-7/16 *138.1*	1/2 *12*	15/16 *23.8*	21/32 *16.7*	3-11/16 *93.7*	2-1/8 *54.0*	1-13/16 *46.0*
209	1-11/16 1-3/4 *40mm* *45mm*	1-9/16 *39.7*	7-7/16 *188.9*	2 *50.8*	5-1/2 *139.7*	6-3/16 *157.2*	1/2 *12*	29/32 *23.0*	11/16 *17.5*	4-7/32 *107.2*	2-9/16 *65.1*	2-1/16 *52.4*
210	1-15/16 2 *50mm*	1-5/8 *41.3*	8-1/8 *206.4*	2-1/4 *57.1*	6 *152.4*	6-11/16 *170.0*	5/8 *16*	1-1/32 *26.2*	11/16 *17.5*	4-15/32 *113.5*	2-13/16 *71.4*	2-3/16 *55.6*
211	2-3/16	1-3/4	8-7/8	2-5/16	6-3/8	7-7/16	5/8	1-7/32	13/16	4-29/32	3-1/8	2-7/16
212	2-7/16 2-1/2 *60mm*	1-13/16 *46.0*	9-1/2 *241.3*	2-3/8 *60.3*	6-7/8 *174.6*	7-15/16 *201.6*	5/8 *16*	1-7/32 *31.0*	13/16 *20.6*	5-11/32 *135.7*	3-1/2 *88.9*	2-11/16 *68.3*
215	2-15/16 3 *70mm* *75mm*	2-23/32 *69.1*	11-3/4 *298.5*	2-7/8 *73.0*	8-1/2 *215.9*	9-1/2 *241.3*	7/8 *22*	1-7/16 *36.5*	1-1/16	6-9/16	3-15/16 *100.0*	3-5/16 . . . .

All Dimensions Are In Millimeters Unless Otherwise Specified

The LT and LTB Pillow Blocks are Identical Except the LTB Pillow Blocks Have Lower backing Dimensions.

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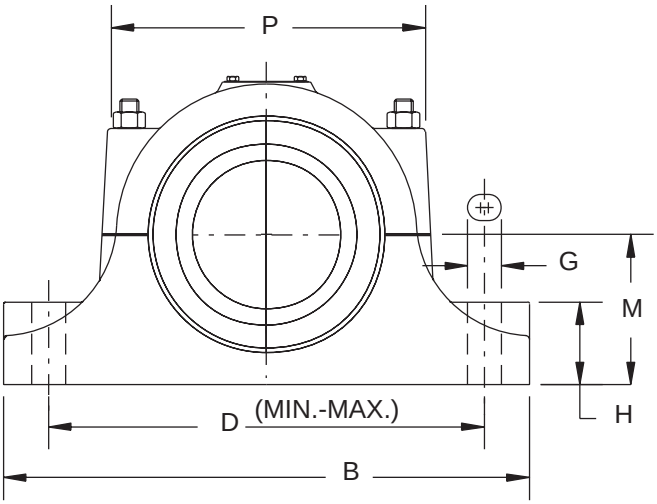
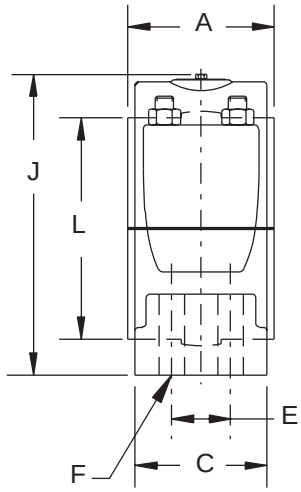
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3-7/16" THRU 5" SOLIDLUBE MM PILLOW BLOCKS





Shaft Size	700 Series		1000 Series		Wt.	Used On Frame	A	B	C
	Part No.	Description	Part No.	Description					
3-7/16	**033247**	P2B-MM7-307	**033347**	P2B-MM10-307	23.00	HD-250	3-1/2	12	2-13/16
3-1/2	**033251**	P2B-MM7-308	**033351**	P2B-MM10-308	22.80				
3-15/16	**033475**	P2B-MM7-315	**033480**	P2B-MM10-315	36.00	HD-300	4	13-7/16	3-3/16
4	**033485**	P2B-MM7-400	**033490**	P2B-MM10-400	35.80				
4-7/16	**033500**	P2B-MM7-407	**033505**	P2B-MM10-407	60.00	HD-350	4-1/2	16	3-7/16
4-1/2	**033510**	P2B-MM7-408	**033515**	P2B-MM10-408	59.70				
4-15/16	**033525**	P4B-MM7-415	**033530**	P4B-MM10-415	92.00	HD-400	5	17-7/16	4-3/4
5	**033535**	P4B-MM7-500	**033540**	P4B-MM10-500	91.50				

Shaft Size	D		2 Bolt Base	4 Bolt Base		G	H	J	L	M	P
	Min.	Max.	F Bolt Dia.	E	F Bolt Dia.						
3-7/16 3-1/2	9-1/4	10-1/4	5/8	...	...	1-1/4	1-3/4	7	4-7/8	3-1/4	7- 1/4
3-15/16 4	9-7/8	11-1/2	3/4	...	...	1-11/16	2	7-15/16	5-5/8	3-3/4	8-3/16
4-7/16 4-1/2	12-13/16	13-13/16	7/8	...	...	1-1/2	2-1/4	9-7/16	6-15/16	4-1/2	10
4-15/16 5	13-1/8	14-3/4	. . .	2	3/4	1-11/16	2-3/4	10-1/2	7-9/16	5	10-5/8

♦ No Published Metric Dimensions For This Product

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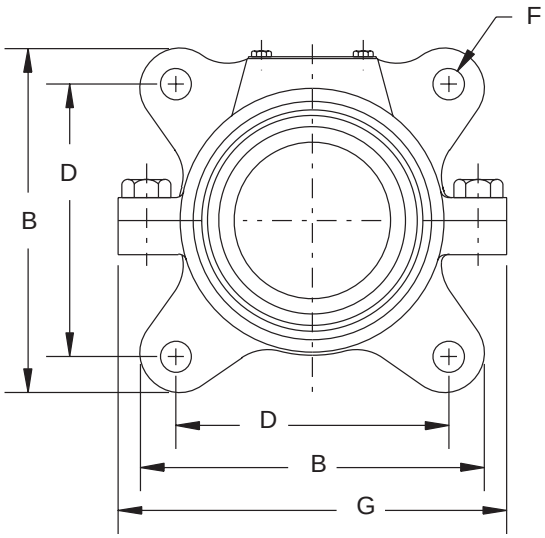
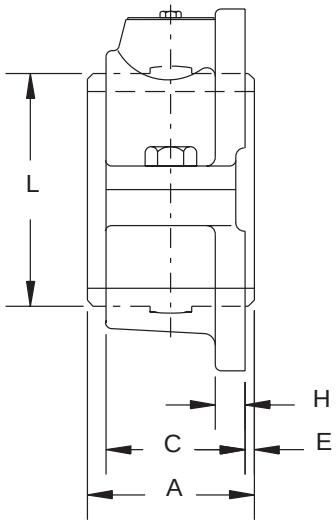
Sleeve Bearings - SOLIDLUBE

3-7/16” THRU 5” SOLIDLUBE MM 4-BOLT FLANGE BEARINGS





Shaft Size	700 Series		1000 Series		Wt.
	Part No.	Description	Part No.	Description	
3-7/16	**033323**	F4B-MM7-307	**033868**	F4B-MM10-307	17.00
3-1/2	**033321**	F4B-MM7-308	**033931**	F4B-MM10-308	18.00
3-15/16	**032923**	F4B-MM7-315	**033899**	F4B-MM10-315	26.00
4	**032937**	F4B-MM7-400	**033932**	F4B-MM10-400	
4-7/16	**033862**	F4B-MM7-407	**033933**	F4B-MM10-407	42.00
4-1/2	**033863**	F4B-MM7-408	**033934**	F4B-MM10-408	
4-15/16	**033929**	F4B-MM7-415	**033869**	F4B-MM10-415	62.00
5	**033930**	F4B-MM7-500	**033867**	F4B-MM10-500	

Shaft Size	A	B	C	D	E	F	G	H	L
3-7/16 3-1/2	3-1/2	7-5/8	2-59/64	6	3/16	5/8	8-9/16	5/8	4- 7/8
3-15/16 4	4	8-7/8	3-11/32	6-7/8	1/4	3/4	9-1/2	11/16	5- 5/8
4-7/16 4-1/2	4-1/2	10-1/4	3-23/32	8-1/8	1/4	7/8	11-3/8	3/4	6-15/16
4-15/16 5	5	11-7/16	4- 5/8	9-3/16	1/8	1	12-7/8	13/16	7- 9/16

♦ No Published Metric Dimensions For This Product

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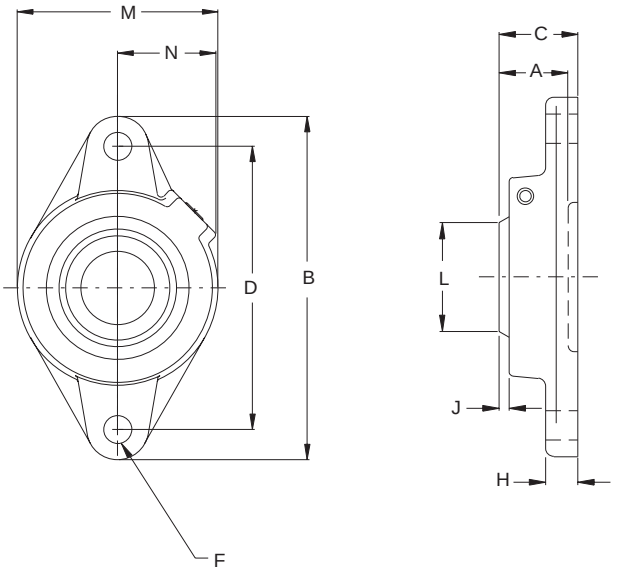
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 2" SOLIDLUBE LT 2-BOLT FLANGE BEARING



Series	Shaft Size	700 Series			1000 Series		
		Part No.	Description	Wt.	Part No.	Description	Wt.
204	3/4	**033085**	F2B-LT7-012	1.2	**033185**	F2B-LT10-012	1.2
	20mm	***034260***	*F2B-LT7-20M*	*0.54*	***034266***	*F2B-LT10-20M*	*0.54*
205	7/8	**033086**	F2B-LT7-014	1.7	**033186**	F2B-LT10-014	1.7
	15/16	**033087**	F2B-LT7-015	1.6	**033187**	F2B-LT10-015	1.6
	1	**033088**	F2B-LT7-100	1.5	**033188**	F2B-LT10-100	1.5
	25mm	***034261***	*F2B-LT7-25M*	*0.68*	***034267***	*F2B-LT10-25M*	*0.68*
206	1-1/8	**033089**	F2B-LT7-102	2.2	**033189**	F2B-LT10-102	2.2
	1-3/16	**033090**	F2B-LT7-103	2.1	**033190**	F2B-LT10-103	2.1
	30mm	***034262***	*F2B-LT7-30M*	*0.95*	***034268***	*F2B-LT10-30M*	*0.95*
207	1-1/4	**033091**	F2B-LT7-104	3.6	**033191**	F2B-LT10-104	3.6
	1-3/8	**033092**	F2B-LT7-106	3.3	**033192**	F2B-LT10-106	3.3
	1-7/16	**033093**	F2B-LT7-107	3.2	**033193**	F2B-LT10-107	3.2
	1-1/2	**033094**	F2B-LT7-108	3.1	**033194**	F2B-LTI0-108	3.1
	35mm	***034263***	*F2B-LT7-35M*	*1.5*	***034269***	*F2B-LT10-35M*	*1.5*
209	1-11/16	**033095**	F2B-LT7-111	4.9	**033195**	F2B-LT10-111	4.9
	1-3/4	**033096**	F2B-LT7-112	4.7	**033196**	F2B-LT10-112	4.7
	40mm	***034218***	*F2B-LT7-40M*	*2.22*	***034270***	*F2B-LT10-40M*	*2.22*
	45mm	***034264***	*F2B-LT7-45M*	*2.13*	***034271***	*F2B-LT10-45M*	*2.13*
210	1-15/16	**033097**	F2B-LT7-115	5.4	**033197**	F2B-LT10-115	5.4
	2	**033098**	F2B-LT7-200	5.2	**033198**	F2B-LT10-200	5.2
	50mm	***034265***	*F2B-LT7-50M*	*2.36*	***034272***	*F2B-LT10-50M*	*2.36*

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Sleeve Bearings - SOLIDLUBE

3/4” THRU 2” SOLIDLUBE LT 2-BOLT FLANGE BEARING

Series	Shaft Size	A	B	C	D	F Bolt Dia.	H	J	L	M	N
204	3/4 *20mm*	29/32 *23.0*	4-13/16 *122.2*	1-1/8 *28.6*	3-17/32 *89.7*	3/8 *3/8*	1/2 *12.7*	5/32 *4.0*	1-3/8 *34.9*	2-3/8 *60.3*	1-1/2 *38.1*
205	7/8 15/16 1 *25mm*	63/64 *25.4*	4-7/8 *123.8*	1-1/8 *28.6*	3-57/64 *98.8*	7/16 *7/16*	1/2 *12.7*	5/32 *4.0*	1-9/16 *39.7*	2-3/4 *69.9*	1-7/16 *36.5*
206	1-1/8 1-3/16 *30mm*	1-7/64 *28.2*	5-9/16 *141.3*	1-7/32 *31.0*	4-19/32 *116.7*	7/16 *7/16*	1/2 *12.7*	5/32 *4.0*	1-13/16 *46.0*	3-1/8 *79.4*	1-9/16 *39.7*
207	1-1/4 1-3/8 1-7/16 1-1/2 *35mm*	1-7/32 *31.0*	6-1/8 *155.6*	1-3/8 *34.9*	5-1/8 *130.2*	1/2 *1/2*	9/16 *14.3*	5/32 *4.0*	2-1/8 *54.0*	3-3/4 *95.3*	1-27/32 *46.8*
209	1-11/16 1-3/4 *40mm* *45mm*	1-21/64 *33.7*	7-1/I6 *179.4*	1-19/32 *40.5*	5-27/32 *148.4*	1/2 *1/2*	5/8 *15.9*	3/16 *4.8*	2-9/16 *65.1*	4-3/8 *111.1*	1-29/32 *48.4*
210	1-15/16 2 *50mm*	1-13/32 *35.7*	7-7/16 *188.9*	1-21/32 *42.1*	6-3/16 *157.2*	1/2 *1/2*	5/8 *15.9*	3/16 *4.8*	2-13/16 *71.4*	4-9/32 *108.7*	2-1/32 *51.6*

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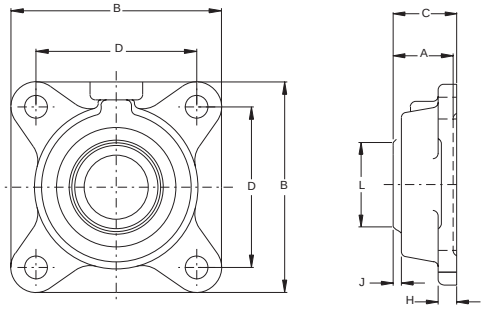
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT 4-BOLT FLANGE BEARING



Series	Shaft Size	700 Series			1000 Series		
		Part No.	Description	Wt.	Part No.	Description	Wt.
204	3/4	**033260**	F4B-LT7-012	1.5	**033200**	F4B-LT10-012	1.5
	20mm	***034273***	*F4B-LT7-20M*	*0.68*	***034283***	*F4B-LT10-20M*	*0.6*
205	7/8	**033261**	F4B-LT7-014	2.2	**033201**	F4B-LT10-014	2.2
	15/16	**033262**	F4B-LT7-015	2.1	**033202**	F4B-LT10-015	2.1
	1	**033263**	F4B-LT7-100	2	**033203**	F4B-LT10-100	2
	25mm	***034274***	*F4B-LT7-25M*	*0.91*	***034284***	*F4B-LT10-25M*	*0.91*
206	1-1/8	**033264**	F4B-LT7-102	2.9	**033204**	F4B-LT10-102	2.9
	1-3/16	**033265**	F4B-LT7-103	2.8	**033205**	F4B-LT10-103	2.8
	30mm	***034275***	*F4B-LT7-30M*	*1.27*	***034285***	*F4B-LT10-30M*	*1.27*
207	1-1/4	**033266**	F4B-LT7-104	4.3	**033206**	F4B-LT10-104	4.3
	1-3/8	**033267**	F4B-LT7-106	4	**033207**	F4B-LT10-106	4
	1-7/16	**033268**	F4B-LT7-107	3.9	**033208**	F4B-LT10-107	3.9
	1-1/2	**033269**	F4B-LT7-108	3.8	**033209**	F4B-LT10-108	3.8
	35mm	***034276***	*F4B-LT7-35M*	*1.81*	***034286***	*F4B-LT10-35M*	*1.81*
209	1-11/16	**033270**	F4B-LT7-111	5.8	**033210**	F4B-LT10-111	5.8
	1-3/4	**033271**	F4B-LT7-I12	5.6	**033211**	F4B-LT10-112	5.6
	40mm	***034277***	*F4B-LT7-40M*	*2.63*	***034287***	*F4B-LT10-40M*	*2.63*
	45mm	***034278***	*F4B-LT7-45M*	*2.54*	***034288***	*F4B-LT10-45M*	*2.54*
210	1-15/16	**033272**	F4B-LT7-115	6.8	**033212**	F4B-LT10-115	6.8
	2	**033273**	F4B-LT7-200	6.6	**033213**	F4B-LT10-200	6.6
	50mm	***034279***	*F4B-LT7-50M*	*3*	***034289***	*F4B-LT10-50M*	*3*
211	2-3/16	**033274**	F4B-LT7-203	8.5	**033214**	F4B-LT10-203	8.5
212	2-7/16	**033275**	F4B-LT7-207	11	**033215**	F4B-LT10-207	11
	2-1/2	**033276**	F4B-LT7-208	10.8	**033216**	F4B-LT10-208	10.8
	60mm	***034280***	*F4B-LT7-60M*	*5*	***034290***	*F4B-LT10-60M*	*5*
215	2-15/16	**033277**	F4B-LT7-215	18	**033217**	F4B-LT10-215	18
	3	**033278**	F4B-LT7-300	17.7	**033218**	F4B-LT10-300	17.7
	70mm	***034281***	*F4B-LT7-70M*	*8.16*	***034291***	*F4B-LT10-70M*	*8.16*
	75mm	***034282***	*F4B-LT7-75M*	*8.03*	***034292***	*F4B-LT10-75M*	*8.03*

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Sleeve Bearings - SOLIDLUBE

3/4” THRU 3” SOLIDLUBE LT 4-BOLT FLANGE BEARING

Series	Shaft Size	A	B	C	D	F Bolt	H	J	L
204	3/4 *20mm*	29/32 *23.0*	3-3/8 *85.7*	1-1/8 *28.6*	2-1/2 *63.5*	3/8 *10.0*	7/16 *11.1*	5/32 *3.2*	1-3/8 *34.9*
205	7/8 15/16 1 *25mm*	63/64 *25.4*	3-3/4 *95.2*	1-1/8 *28.6*	2-3/4 *69.9*	7/16 *10.0*	1/2 *12.7*	3/16 *4.8*	1-9/16 *39.7*
206	1-1/8 1-3/16 *30mm*	31/32 *28.2*	4-1/4 *108.0*	1-7/32 *31.0*	3-1/4 *82.6*	7/16 *10.0*	1/2 *12.7*	5/32 *4.0*	1-13/16 *46.0*
207	1-1/4 1-3/8 1-7/16 1-1/2 *35mm*	1-7/32 *31.0*	4-3/4 *120.7*	1-3/8 *34.9*	3-5/8 *92.1*	1/2 *12.0*	9/16 *14.3*	5/32 *4.0*	2-1/8 *54.0*
209	1-11/16 1-3/4 *40mm* *45mm*	1-11/32 *33.7*	5-3/8 *136.5*	1-19/32 *40.5*	4-1/8 *104.8*	1/2 *12.0*	5/8 *15.9*	13/64 *4.8*	2-9/16 *65.1*
210	1-15/16 2 *50mm*	1-13/32 *35.7*	5-5/8 *142.9*	1-21/32 *42.1*	4-3/8 *111.1*	1/2 *12.0*	5/8 *15.9*	7/32 *4.8*	2-13/16 *71.4*
211	2-3/16	1-17/32	6-1/2	1-25/32	5-1/8	5/8	11/16	7/32	3-1/8
212	2-7/16 2-1/2 *60mm*	1-15/32 *41.3*	7 *177.8*	1-31/32 *47.6*	5-5/8 *142.9*	5/8 *16.0*	11/16 *17.5*	11/64 *4.0*	3-1/2 *88.9*
215	2-15/16 3 *70mm* *75mm*	2-23/32 *61.1*	7-3/4 *196.9*	2-3/4 *70.6*	6 *152.4*	3/4 *18.0*	1 *25.4*	17/32 *13.5*	3-15/16 *100.0*

All Dimensions Are in Millimeters Unless Otherwise Specified.

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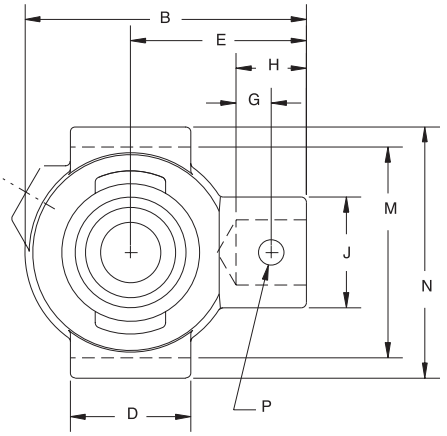
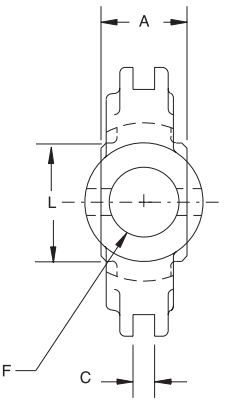
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 2-1/2" SOLIDLUBE LT NARROW SLOT TAKE-UP BEARINGS





Series	Shaft Size	LT700			LT1000			Used on Frame
		Part No.	Description	Wt.	Part No.	Description	Wt.	
204	3/4	**033810**	NSTU-LT7-012	1.7	**033840**	NSTU-LT10-012	1.7	NS-210
	20mm	***034293***	*NSTU-LT7-20M*	*0.77*	***034303***	*NSTU-LT10-20M*	*0.77*	*WS-300*
205	7/8	**033811**	NSTU-LT7-014	1.9	**033841**	NSTU-LT10-014	1.9	NS-210
	15/16	**033812**	NSTU-LT7-015	1.8	**033842**	NSTU-LT10-015	1.8	
	1	**033813**	NSTU-LT7-100	1.7	**033843**	NSTU-LT10-100	1.7	
	25mm	***034294***	*NSTU-LT7-25M*	*0.77*	***034304***	*NSTU-LT10-25M*	*0.77*	*WS-300*
206	1-1/8	**033814**	NSTU-LT7-102	2.8	**033844**	NSTU-LT10-102	2.8	NS-308
	1-3/16	**033815**	NSTU-LT7-103	2.7	**033845**	NSTU-LT10-103	2.7	
	30mm	***034295***	*NSTU-LT7-30M*	*1.22*	***034305***	*NSTU-LT10-30M*	*1.22*	*WS-308*
207	1-1/4	**033816**	NSTU-LT7-104	3.2	**033846**	NSTU-LT10-104	3.2	NS-308
	1-3/8	**033817**	NSTU-LT7-106	3.0	**033847**	NSTU-LT10-106	3.0	
	1-7/16	**033818**	NSTU-LT7-107	2.9	**033848**	NSTU-LT10-107	2.9	
	1-1/2	**033819**	NSTU-LT7-108	2.8	**033849**	NSTU-LT10-108	2.8	
	35mm	***034296***	*NSTU-LT7-35M*	*1.36*	***034306***	*NSTU-LT10-35M*	*1.36*	*WS-308*
209	1-11/16	**033820**	NSTU-LT7-111	4.9	**033850**	NSTU-LT10-111	4.9	NS-400
	1- 3/4	**033821**	NSTU-LT7-112	4.8	**033851**	NSTU-LT10-112	4.8	
	40mm	***034297***	*NSTU-LT7-40M*	*2.22*	***034307***	*NSTU-LT10-40M*	*2.22*	*WS-400*
	45mm	***034298***	*NSTU-LT7-45M*	*2.18*	***034308***	*NSTU-LT10-45M*	*2.18*	
210	1-15/16	**033822**	NSTU-LT7-115	5.5	**033852**	NSTU-LT10-115	5.5	NS-400
	2	**033823**	NSTU-LT7-200	5.3	**033853**	NSTU-LT10-200	5.3	
	50mm	***034299***	*NSTU-LT7-50M*	*2.4*	***034309***	*NSTU-LT10-50M*	*2.4*	*WS-400*
211	2-3/16	**033824**	NSTU-LT7-203	6.7	**033854**	NSTU-LT10-203	6.7	NS-407
212	2-7/16	**033825**	NSTU-LT7-207	7.4	**033855**	NSTU-LT10-207	7.4	NS-415
	2-1/2	**033826**	NSTU-LT7-208	7.0	**033856**	NSTU-LT10-208	7.0	
	60mm	***034300***	*NSTU-LT7-60M*	*3.18*	***034310***	*NSTU-LT10-60M*	*3.18*	*WS-502*

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Sleeve Bearings - SOLIDLUBE

3/4" THRU 2-1/2" SOLIDLUBE LT NARROW SLOT TAKE-UP BEARINGS

Series	Shaft Size	A	B	C	D	E	F Screw Dia.	G
204	3/4	1	3-1/2	1/4	1-1/2	2-3/16	3/4	7/16
	20mm	*25.4*	*88.9*	*6.4*	*38.1*	*55.6*	*3/4*	*11.1*
205	7/8, 15/16, 1	1-1/16	3-9/16	1/4	1-1/2	2-3/16	3/4	7/16
	25mm	*27*	*90.5*	*6.4*	*38.1*	*55.6*	*3/4*	*11.1*
206	1-1/8 1-3/16	1-3/16	4-5/16	1/4	2-1/2	2-11/16	3/4	7/16
	30mm	*30.2*	*109.5*	*6.4*	*63.5*	*68.3*	*3/4*	*11.1*
207	1-1/4, 1-3/8, 1-7/16, 1-1/2	1-5/16	4-1/2	1/4	2-1/2	2-11/16	3/4	7/16
	35mm	*33.3*	*114.3*	*6.4*	*63.5*	*68.3*	*3/4*	*11.1*
209	1-11/16, 1-3/4 *40mm* *45mm*	1- 9/16 *39.7*	5- 7/16 *138.1*	5/16 *7.9*	3 *76.2*	3-1/4 *82.6*	7/8 *7/8*	1/2 *12.7*
210	1-15/16, 2	1- 5/8	5- 1/2	5/16	3	3-1/4	7/8	1/2
	50mm	*41.3*	*139.7*	*7.9*	*76.2*	*82.6*	*7/8*	*12.7*
211	2-3/16	1- 3/4	6- 1/8	5/16	3-1/2	3-5/8	1	19/32
212	2-7/16, 2-1/2	1-13/16	6-11/16	5/16	3-3/4	3-7/8	1	19/32
	60mm	*46*	*169.9*	*7.9*	*95.3*	*95.3*	*1*	*15.1*

Series	Shaft Size	H	J	L	M	N	P Pin Dia.
204	3/4	7/8	1-3/8	1-3/8	2-5/8	3-1/8	5/16
	20mm	*22.2*	*34.9*	*34.9*	*66.7*	*79.4*	*5/16*
205	7/8, 15/16, 1	7/8	1-3/8	1-9/16	2-5/8	3-1/8	5/16
	25mm	*22.2*	*34.9*	*39.7*	*66.7*	*79.4*	*5/16*
206	1-1/8 1-3/16	15/16	1-3/8	1-13/16	3-1/2	4-1/8	5/16
	30mm	*23.8*	*34.9*	*46.0*	*88.9*	*104.8*	*5/16*
207	1-1/4, 1-3/8, 1-7/16, 1-1/2	15/16	1-3/8	2-1/8	3-1/2	4-1/8	5/16
	35mm	*23.8*	*34.9*	*54.0*	*88.9*	*104.8*	*5/16*
209	1-11/16, 1-3/4 *40mm* *45mm*	1-7/32 *31.0*	1-5/8 *41.3*	2-9/16 *65.1*	4 *101.6*	4-3/4 *120.7*	3/8 *3/8*
210	1-15/16, 2	1-3/32	1-5/8	2-13/16	4	4-3/4	3/8
	50mm	*27.8*	*41.3*	*71.4*	*101.6*	*120.7*	*3/8*
211	2-3/16	1-9/32	1-5/8	3- 1/2	4-15/16	5-3/4	7/16
212	2-7/16, 2-1/2	1-9/32	1-3/4	3-1/8	4-7/16	5-3/8	7/16
	60mm	*32.5*	*41.3*	*88.9*	*125.4*	*146.1*	*7/16*

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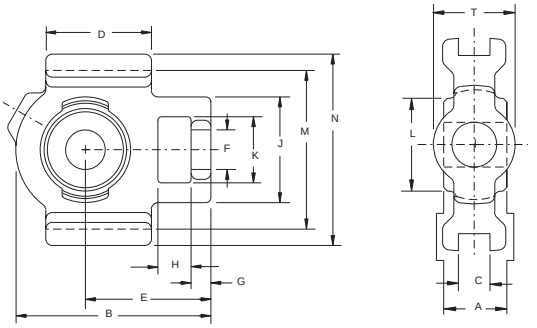
SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT WIDE SLOT TAKE-UP BEARINGS



Series	Shaft Size	LT700			LT1000			Used on Frame
		Part No.	Description	Wt.	Part No.	Description	Wt.	
204	3/4	**033870**	WSTU-LT7-012	2.4	**033910**	WSTU-LT10-012	2.4	WS-300
	20mm	***034313***	*WSTU-LT7-20M*	*1.09*	***034323***	*WSTU-LT10-20M*	*1.09*	*WS-300*
205	7/8	**033871**	WSTU-LT7-014	2.6	**033911**	WSTU-LT10-014	2.6	WS-300
	15/16	**033872**	WSTU-LT7-015	2.5	**033912**	WSTU-LT10-015	2.5	
	1	**033873**	WSTU-LT7-100	2.4	**033913**	WSTU-LT10-100	2.4	
	25mm	***034314***	*WSTU-LT7-25M*	*1.09*	***034324***	*WSTU-LT10-25M*	*1.09*	*WS-300*
206	1-1/8	**033874**	WSTU-LT7-102	3.2	**033914**	WSTU-LT10-102	3.2	WS-308
	1-3/16	**033875**	WSTU-LT7-103	3.1	**033915**	WSTU-LT10-103	3.1	
	30mm	***034315***	*WSTU-LT7-30M*	*1.41*	***034325***	*WSTU-LT10-30M*	*1.41*	*WS-308*
207	1-1/4	**033876**	WSTU-LT7-104	4.2	**033916**	WSTU-LT10-104	4.2	WS-308
	1-3/8	**033877**	WSTU-LT7-106	3.9	**033917**	WSTU-LT10-106	3.9	
	1-7/16	**033878**	WSTU-LT7-107	3.8	**033918**	WSTU-LT10-107	3.8	
	1-1/2	**033879**	WSTU-LT7-108	3.7	**033919**	WSTU-LT10-108	3.7	
	35mm	***034316***	*WSTU-LT7-35M*	*1.77*	***034326***	*WSTU-LT10-35M*	*1.77*	*WS-308*
209	1-11/16	**033880**	WSTU-LT7-111	6.1	**033920**	WSTU-LT10-111	6.1	WS-400
	1- 3/4	**033881**	WSTU-LT7-112	6	**033921**	WSTU-LT10-112	6	
	40mm	***034317***	*WSTU-LT7-40M*	*2.77*	***034327***	*WSTU-LT10-40M*	*2.77*	*WS-400*
	45mm	***034318***	*WSTU-LT7-45M*	*2.72*	***034328***	*WSTU-LT10-45M*	*2.72*	
210	1-15/16	**033882**	WSTU-LT7-115	6.7	**033922**	WSTU-LT10-115	6.7	WS-400
	2	**033883**	WSTU-LT7-200	6.5	**033923**	WSTU-LT10-200	6.5	
	50mm	***034319***	*WSTU-LT7-50M*	*2.95*	***034329***	*WSTU-LT10-50M*	*2.95*	*WS-400*
211	2-3/16	**033884**	WSTU-LT7-203	9.8	**033924**	WSTU-LT10-203	9.8	WS-502
212	2-7/16	**033885**	WSTU-LT7-207	10.1	**033925**	WSTU-LT10-207	10.1	WS-502
	2-1/2	**033886**	WSTU-LT7-208	9.8	**033926**	WSTU-LT10-208	9.8	
	60mm	***034320***	*WSTU-LT7-60M*	*4.58*	**034330**	*WSTU-LT10-60M*	*4.58*	*WS-502*
215	2-15/16	**033887**	WSTU-LT7-215	13	**033927**	WSTU-LT10-215	13	WS-515
	3	**033888**	WSTU-LT7-300	12.5	**033928**	WSTU-LT10-300	12.5	
	70mm	***034321***	*WSTU-LT7-70M*	*5.9*	***034331***	*WSTU-LT10-70M*	*5.9*	*WS-515*
	75mm	***034322***	*WSTU-LT7-75M*	*5.67*	***034332***	*WSTU-LT10-75M*	*5.67*	

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DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3 SOLIDLUBE LT WIDE SLOT TAKE-UP BEARINGS

Series	Shaft Size	A	B	C	D	E	F Dia.	G
204	3/4	1	3-11/16	17/32	2	2-3/8	3/4	3/8
	20mm	25.4	93.7	13.5	50.8	60.3	3/4	9.5
205	7/8, 15/16, 1	1-1/16	3-13/16	17/32	2	2-7/16	13/16	3/8
	25mm	27.0	96.8	13.5	50.8	61.9	13/16	9.5
206	1-1/8, 1-3/16	1- 3/16	4- 3/8	17/32	2-1/4	2-3/4	7/8	3/8
	30mm	30.2	111.1	13.5	57.2	69.9	7/8	9.5
207	1-1/4, 1-3/8 1-7/16, 1-1/2	1- 5/16	4- 7/8	17/32	2-1/2	3-1/16	7/8	1/2
	35mm	33.3	123.8	13.5	63.5	77.8	7/8	23.7
209	1-11/16,1-3/4	1- 9/16	5- 5/8	11/16	3-1/4	3-7/16	1-1/8	5/8
	40mm, 45mm	39.7	142.9	17.5	82.6	87.3	1-1/8	15.9
210	1-15/16, 2	1-5/8	5-13/16	11/16	3-3/8	3-9/16	1-1/8	5/8
	50mm	41.3	147.6	17.5	85.7	90.5	1-1/8	15.9
211	2-3/16	1-3/4	6-11/16	1-1/16	3-3/4	4-3/16	1-3/8	3/4
212	2-7/16, 2-1/2	1-13/16	7-1/2	1-1/16	4	4-11/16	1-3/8	3/4
	60mm	46.0	190.5	27.0	101.6	119.1	1-3/8	19.1
215	2-15/16, 3	2-23/32	9-1/8	1-1/16	4-3/4	5-1/2	1-9/16	13/16
	70mm, 75mm	69.1	231.8	27.0	120.7	139.7	1-9/16	20.6

Series	Shaft Size	H	J	K	L	M	N	T
204	3/4	5/8	2	1-1/4	1-3/8	3	3-5/8	1-3/8
	20mm	*15.9*	*50.8*	*31.8*	*34.9*	*76.2*	*92.1*	*34.9*
205	7/8, 15/16, 1	5/8	2	1-5/16	1-9/16	3	3-5/8	1-3/8
	25mm	*15.9*	*50.8*	*33.3*	*39.7*	*76.2*	*92.1*	*34.9*
206	1-1/8, 1-3/16	5/8	2-3/16	1-7/16	1-13/16	3-1/2	4-1/8	1-5/8
	30mm	*15.9*	*55.6*	*36.5*	*46.0*	*88.9*	*104.8*	*41.3*
207	1-1/4, 1-3/8 1-7/16, 1-1/2	5/8	2-1/2	1-7/16	2-1/8	3-1/2	4-1/8	1-5/8
	35mm	*15.9*	*63.5*	*36.5*	*54.0*	*88.9*	*104.8*	*41.3*
209	1-11/16,1-3/4	3/4	3-1/4	1-15/16	2-9/16	4	4-3/4	1-15/16
	40mm, 45mm	*19.1*	*82.6*	*49.2*	*65.1*	*101.6*	*120.7*	*49.2*
210	1-15/16, 2	3/4	3-1/4	1-15/16	2-13/16	4	4-3/4	1-15/16
	50mm	19.1	82.6	49.2	71.4	101.6	120.7	49.2
211	2-3/16	1	4	2-1/2	3-1/8	5-1/8	5-7/8	2-1/2
212	2-7/16, 2-1/2	1-1/4	4	2-1/2	3-1/2	5-1/8	5-7/8	2-1/2
	60mm	31.8	101.6	63.5	88.9	130.2	149.2	63.5
215	2-15/16, 3	1-1/4	4-3/8	2-3/4	3-15/16	5-15/16	6-11/16	2-3/4
	70mm, 75mm	31.8	111.1	69.9	100.0	150.8	169.9	69.9

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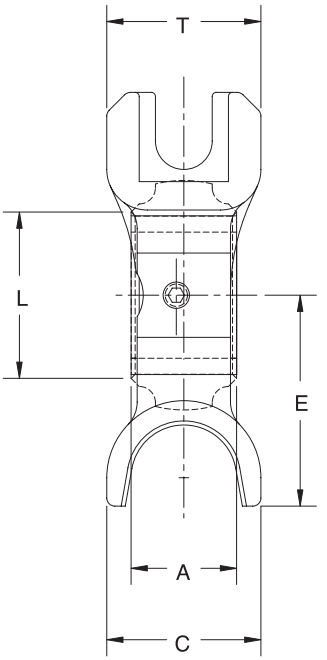
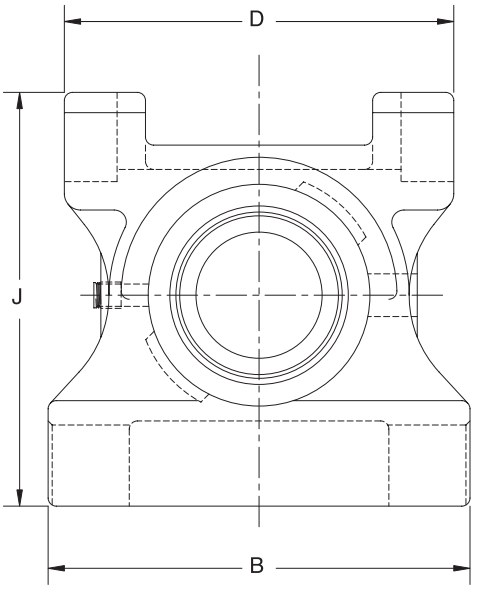
SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE

1-15/16” THRU 3” TYPE GLT SOLIDLUBE TAKE-UP BEARINGS





Shaft Size	700 Series		1000 Series		Wt.	Frame Size
	Part No.	Description	Part No.	Description		
1-15/16	**033739**	TP-GLT7-115	**033750**	TP-GLT10-115	10.1	TP10
2	**033740**	TP-GLT7-200	**033751**	TP-GLT10-200		
2-3/16	**033741**	TP-GLT7-203	**033752**	TP-GLT10-203	11.8	TP20
2-7/16	**033742**	TP-GLT7-207	**033753**	TP-GLT10-207	14.1	TP30
2-1/2	**033743**	TP-GLT7-208	**033754**	TP-GLT10-208		
2-15/16	**033744**	TP-GLT7-215	**033755**	TP-GLT10-215	17.0	TP40
3	**033745**	TP-GLT7-300	**033756**	TP-GLT10-300		

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Sleeve Bearings - SOLIDLUBE

1-15/16” THRU 3” TYPE GLT SOLIDLUBE TAKE-UP BEARINGS

Shaft Size	A	B	C	D	E	J	L	T
1-15/16 2	1-5/8	6-1/2	2-3/8	6	3-1/4	6-3/8	2-13/16	2-3/8
2-3/16	1-3/4	7	2-1/2	6-3/4	3-3/8	6-7/8	3-1/8	2-3/8
2-7/16 2-1/2	1-13/16	7-1/2	2-3/4	7	3-1/2	7-7/16	3-1/2	2-3/4
2-15/16 3	2-23/32	8-1/2	2-1/2	8	4	8-5/16	3-15/16	2-3/4

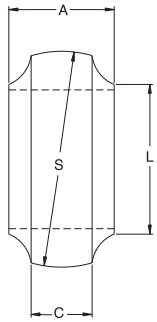
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT INSERTS



Series	Shaft Size	700 Series			1000 Series		
		Part No.	LT700 Series Description	Wt.	Part No.	LT1000 Series Description	Wt.
204	3/4	**033585**	INS-LT7-012	0.30	**033610**	INS-LT10-012	0.30
	20mm	***034454***	*INS-LT7-20M*	*0.14*	***034455***	*INS-LT10-20M*	*0.14*
205	7/8	**033586**	INS-LT7-014	0.50	**033611**	INS-LT10-014	0.50
	15/16	**033587**	INS-LT7-015	0.40	**033612**	INS-LT10-015	0.40
	1	**033588**	INS-LT7-100	0.30	**033613**	INS-LT10-100	0.30
	25mm	***034456***	*INS-LT7-25M*	*0.14*	***034457***	*INS-LT10-25M*	*0.14*
206	1-1/8	**033589**	INS-LT7-102	0.70	**033614**	INS-LT10-102	0.70
	1-3/16	**033590**	INS-LT7-103	0.60	**033615**	INS-LT10-103	0.60
	30mm	***034458***	*INS-LT7-30M*	*0.32*	***034459***	*INS-LT10-30M*	*0.32*
207	1-1/4	**033591**	INS-LT7-104	1.20	**033616**	INS-LT10-104	1.20
	1-3/8	**033592**	INS-LT7-106	1.00	**033617**	INS-LT10-106	1.00
	1-7/16	**033593**	INS-LT7-107	0.90	**033618**	INS-LT10-107	0.90
	1-1/2	**033594**	INS-LT7-108	0.80	**033619**	INS-LT10-108	0.80
	35mm	***034460***	*INS-LT7-35M*	*0.45*	***034461***	*INS-LT10-35M*	*0.45*
209	1-11/16	**033595**	INS-LT7-111	1.60	**033620**	INS-LT10-111	1.60
	1-3/4	**033596**	INS-LT7-112	1.40	**033621**	INS-LT10-112	1.40
	40mm	***034462***	*INS-LT7-40M*	*0.73*	***034463***	*INS-LT10-40M*	*0.73*
	45mm	***034464***	*INS-LT7-45M*	*0.64*	***034465***	*INS-LT10-45M*	*0.64*
210	1-15/16	**033597**	INS-LT7-115	1.80	**033622**	INS-LT10-115	1.80
	2	**033598**	INS-LT7-200	1.60	**033623**	INS-LT10-200	1.60
	50mm	***034466***	*INS-LT7-50M*	*0.73*	***034467***	*INS-LT10-50M*	*0.73*
211	2-3/16	**033599**	INS-LT7-203	2.30	**033624**	INS-LT10-203	2.30
212	2-7/16	**033600**	INS-LT7-207	3.20	**033625**	INS-LT10-207	3.20
	2-1/2	**033601**	INS-LT7-208	3.00	**033626**	INS-LT10-208	3.00
	60mm	***034468***	*INS-LT7-60M*	*1.45*	***034469***	*INS-LT10-60M*	*1.45*
215	2-15/16	**033602**	INS-LT7-215	5.80	**033627**	INS-LT10-215	5.80
	3	**034117**	INS-LT7-300	5.50	**034525**	INS-LT10-300	5.50
	70mm	***034470***	*INS-LT7-70M*	*2.50*	***034471***	*INS-LT10-70M*	*2.50*
	75mm	***034472***	*INS-LT7-75M*		***034473***	*INS-LT10-75M*	

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4” THRU 3” SOLIDLUBE LT INSERTS

Series	Shaft Size	A	C	L	S
204	3/4 *20mm*	1 *25.4*	5/8 *15.9*	1-3/8 *34.9*	1.8445/1.8425 *46.850 / 46.800*
205	7/8 15/16 1 *25mm*	1-1/16 *27.0*	5/8 *15.9*	1-9/16 *39.7*	2.0415/2.0395 *51.854 / 51.803*
206	1-1/8 1-3/16 *30mm*	1-3/16 *30.2*	11/16 *17.5*	1-13/16 *46.0*	2.435/2.433 *61.849 / 61.798*
207	1-1/4 1-3/8 1-7/16 1-1/2 *35mm*	1-5/16 *33.3*	13/16 *20.6*	2-1/8 *54.0*	2.829/2.827 *71.857 / 71.806*
209	1-11/16 1-3/4 *40mm* *45mm*	1-9/16 *39.7*	13/16 *20.6*	2-9/16 *65.1*	3.3415/3.3395 *84.874 / 84.823*
210	1-15/16 2 *50mm*	1-5/8 *41.3*	7/8 *22.2*	2-13/16 *71.4*	3.5375/3.5355 *89.853 / 89.802*
211	2-3/16	1-3/4	15/16	3-1/8	3.932/3.930
212	2-7/16 2-1/2 *60mm*	1-13/16 *46.0*	1-1/16 *27.0*	3-1/2 *88.9*	4.326/4.324 *109.880 / 109.830*
215	2-15/16 3 *70mm* *75mm*	2-23/32 *69.1*	1-3/16 *30.2*	3-15/16 *100.0*	5.1135/5.1115 *129.883 / 129.832*

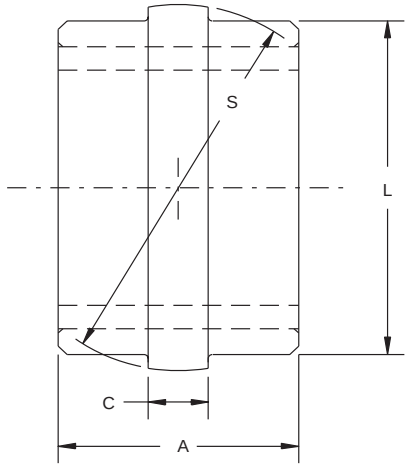
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3-7/16" THRU 5" SOLIDLUBE MM BEARING INSERTS



Shaft Size	700 Series		1000 Series		Wt.
	Part No.	Description	Part No.	Description	
3-7/16	**034438**	INS-MM7-307	**034439**	INS-MM10-307	6.4
3-1/2	**034440**	INS-MM7-308	**034441**	INS-MM10-308	6.2
3-15/16	**034442**	INS-MM7-315	**034443**	INS-MM10-315	10.0
4	**034444**	INS-MM7-400	**034445**	INS-MM10-400	9.8
4-7/16	**034446**	INS-MM7-407	**034447**	INS-MM10-407	20.0
4-1/2	**034448**	INS-MM7-408	**034449**	INS-MM10-408	19.7
4-15/16	**034450**	INS-MM7-415	**034451**	INS-MM10-415	27.0
5	**034452**	INS-MM7-500	**034453**	INS-MM10-500	26.5

Shaft Size	Wt.	A	C	L Dia.	S Spherical Dia.
3-7/16	6.4	3-1/2	7/8	4-7/8	5.182/5.180
3-1/2	6.2				
3-15/16	10.0	4	1-1/8	5-5/8	6.057/6.055
4	9.8				
4-7/16	20.0	4-1/2	1-1/4	6-15/16	7.370/7.367
4-1/2	19.7				
4-15/16	27.0	5	1-3/8	7-9/16	7.995/7.992
5	26.5				

♦ No Published Metric Dimensions For This Product

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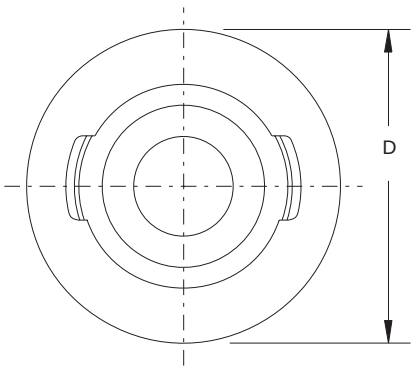
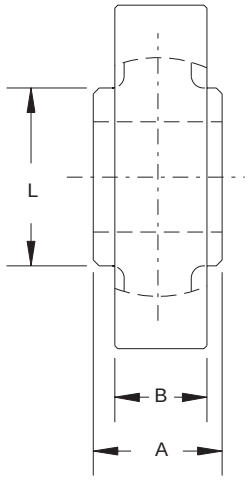
Sleeve Bearings - SOLIDLUBE

7/8" THRU 1-1/2" SOLIDLUBE LT CYLINDERICAL UNITS





Shaft Size	LT700			LT1000		
	Part Number	Description	Wt.	Part Number	Description	Wt.
7/8	**033961**	CYL-LT7-014	1.5	**422596**	CYL-LT10-014	1.5
15/16	**033960**	CYL-LT7-015		**422595**	CYL-LT10-015	
1	**033962**	CYL-LT7-100		**422597**	CYL-LT10-100	
1-1/8	**033963**	CYL-LT7-102	29.0	**492598**	CYL-LT10-102	2.9
1-3/16	**033964**	CYL-LT7-103		**422599**	CYL-LT10-103	
1-1/4	**033965**	CYL-LT7-104	3.0	**422600**	CYL-LT10-104	3.0
1-3/8	**033966**	CYL-LT7-106		**422601**	CYL-LT10-106	
1-7/16	**033967**	CYL-LT7-107		**422602**	CYL-LT10-107	
1-1/2	**033968**	CYL-LT7-108		**422603**	CYL-LT10-108	

Shaft Size	A	B	D Dia. +.000 -.002	L
7/8 15/16 1	1-1/16	27/32	3-1/8	1- 9/16
1-1/8 1-3/16	1-3/16	15/16	3-1/2	1-13/16
1-1/4 1-3/8 1-7/16 1-1/2	1- 5/16	1-1/16	3-7/8	2-1/8

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2 | SPECIFICATION/HTO PAGE B13-4 | NOMENCLATURE PAGE B13-5 | SELECTION PAGE B13-6

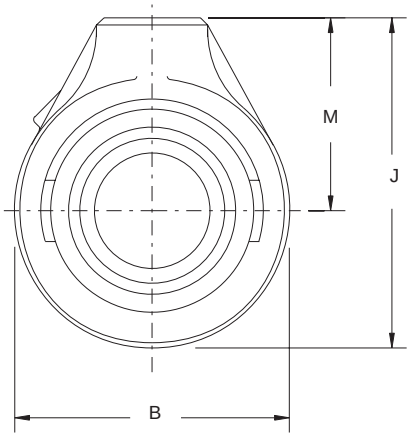
SELECTION/DIMENSIONS

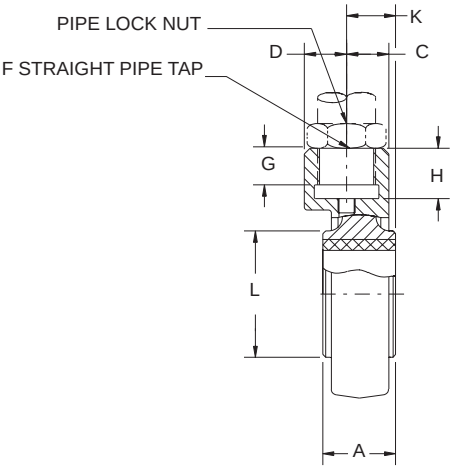
DODGE®

Sleeve Bearings - SOLIDLUBE

1-15/16" THRU 2-1/2"

SOLIDLUBE LT SCREW CONVEYOR HANGER BEARING





Series	Shaft Size	LT700 Series			LT1000 Series		
		Part No.	Description	Wt.	Part No.	Description	Wt.
210	1-15/16	**033937**	SCHB-LT7-115	5.8	**033952**	SCHB-LT10-115	1.9
	2	**033938**	SCHB-LT7-200	5.7	**033953**	SCHB-LT10-200	2.0
212	2-7/16	**033939**	SCHB-LT7-207	7.1	**033954**	SCHB-LT10-207	5.0
	2-1/2	**033940**	SCHB-LT7-208	7.0	**033955**	SCHB-LT10-208	4.8

Series	Shaft Size	A	B	C	D	F#	G	H	J	K	L	M
210	1-15/16 2	1-5/8	4-5//8	7/8	15/16	1	13/16	1-1/8	5-9/16	1-3/32	2-13/16	3-1/4
212	2-7/16 2-1/2	1-13/16	5-1/2	1-5/32	1-5/32	1-1/4	1-1/8	1-7/16	6-3/4	1-1/4	3-1/2	4

♦ No Published Metric Dimensions For This Product

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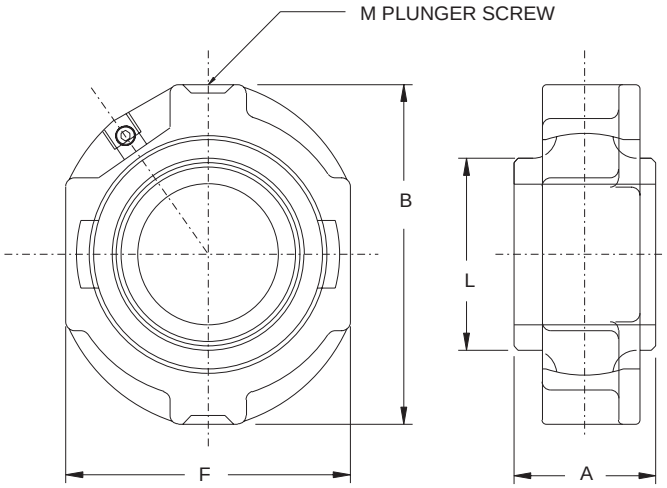
Sleeve Bearings - SOLIDLUBE

1-1/8” THRU 2” SOLIDLUBE LT HANGER BEARINGS



Shaft Size	LT700		LT1000		Wt.
	Part No.	Description	Part No.	Description	
1-1/8	**033890**	HNG-LT7-102	**033900**	HNG-LT10-102	1.9
1-3/16	**033891**	HNG-LT7-103	**033901**	HNG-LT10-103	2.0
1-1/4	**033892**	HNG-LT7-104	**033902**	HNG-LT10-104	3.1
1-3/8	**033893**	HNG-LT7-106	**033903**	HNG-LT10-106	3.0
1-7/16	**033894**	HNG-LT7-107	**033904**	HNG-LT10-107	2.9
1-1/2	**033895**	HNG-LT7-108	**033905**	HNG-LT10-108	2.8
1-15/16	**033896**	HNG-LT7-115	**033906**	HNG-LT10-115	5.0
2	**033897**	HNG-LT7-200	**033907**	HNG-LT10-200	4.8

Shaft Size	A	B	F	L	M
1-1/8 1-3/16	1-3/16	3-5/8	3	1-13/16	1/2
1-1/4 1-3/8 1-7/16 1-1/2	1-5/16	4-1/4	3-1/2	2-1/8	1/2
1-15/16 2	1-5/8	5	4-3/16	2-13/16	5/8

♦ No Published Metric Dimensions For This Product

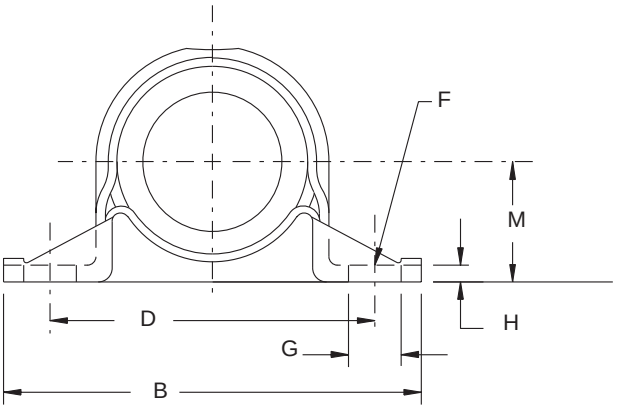
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

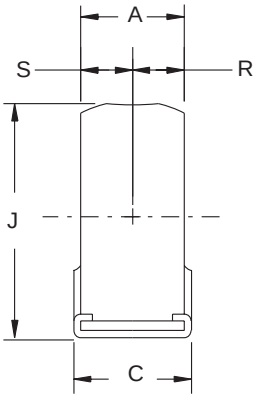
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4" THRU 1-1/2" SOLIDLUBE LM800 PILLOW BLOCKS





Shaft Size	Part No.	Description	Wt.	A	B	C	D
3/4	**033692**	P2B-LM8-012	.70	1	4	1-7/32	3
1	**033693**	P2B-LM8-100	.22				
1-1/4	**033694**	P2B-LM8-104	.70	1-1/8	4-1/2	1-11/32	3-1/2
1-1/2	**033695**	P2B-LM8-108	.50				

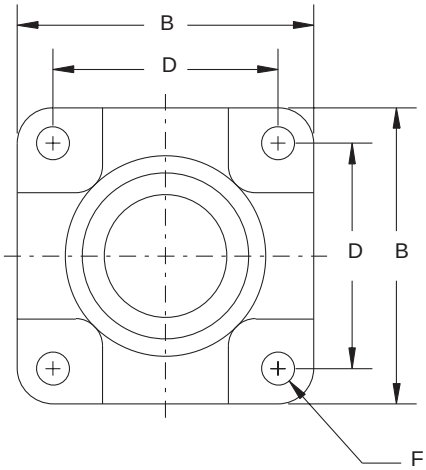
Shaft Size	F Bolt Dia.	G	H	J	M	R	S
3/4 1	3/8	9/16	5/32	2-1/16	1-1/16	1/2	1/2
1-1/4 1-1/2	3/8	9/16	5/32	2-9/16	1-5/16	9/16	9/16

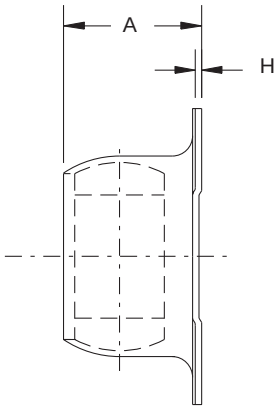
♦ No Published Metric Dimensions For This Product

DODGE®

Sleeve Bearings - SOLIDLUBE

3/4” THRU 1-1/2” SOLIDLUBE LM800 4-BOLT FLANGE BEARING





Shaft Size	Part No.	Description	Wt.	A
3/4	**033696**	F4B-LM8-012	.50	1-9/32
1	**033697**	F4B-LM8-100	.36	
1-1/4	**033698**	F4B-LM8-104	.50	1-11/16
1-1/2	**033699**	F4B-LM8-108	.50	

Shaft Size	B	D	F Bolt Dia	H
3/4 1	3-1/8	2-1/4	3/8	1/16
1-1/4 1-1/2	3-5/8	2-3/4	3/8	1/16

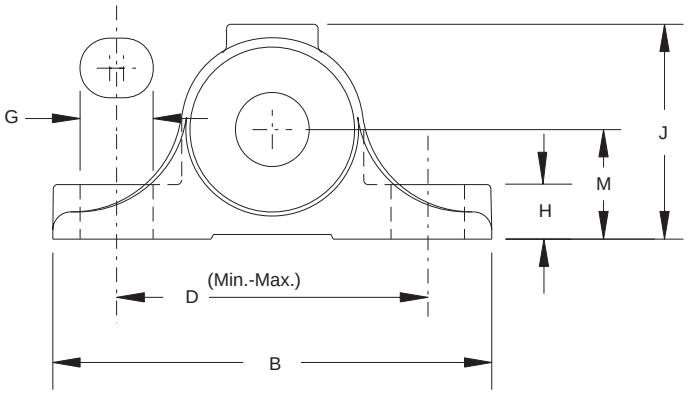
♦ No Published Metric Dimensions For This Product

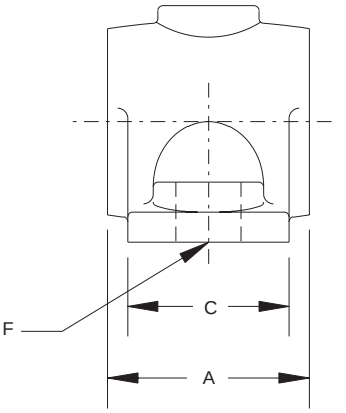
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Babbitted

1/2" THRU 3-7/16" SOLID BABBITTED JOURNAL BEARINGS





Shaft Size	Part No.	Description	Wt.	Frame	A	B	C	D	
								Min.	Max.
1/2	**006102**	P2B-BASO-008	0.6	LD-10	1-1/4	3	1	2-1/32	2-7/32
5/8	**006104**	P2B-BASO-010	1.0	LD-10	1-1/2	3-1/2	1-1/8	2-13/32	2-19/32
3/4	**006107**	P2B-BASO-012	0.9						
7/8	**006109**	P2B-BASO-014	1.7	LD-10	1-7/8	4	1-1/2	2-7/8	3-1/8
15/16	**006110**	P2B-BASO-015	1.6						
1	**006111**	P2B-BASO-100	1.5						
1-1/8	**006113**	P2B-BASO-102	2.7	LD-10	2-3/8	4-3/4	1-3/4	3-3/8	3-5/8
1-3/16	**006114**	P2B-BASO-103	2.6						
1-1/4	**006115**	P2B-BASO-104	2.5						
1-5/16	**006117**	P2B-BASO-105	4.4	. . .	2-7/8	5-1/2	2	3-7/8	4-1/8
1-3/8	**006118**	P2B-BASO-106	4.2						
1-7/16	**006119**	P2B-BASO-107	4.0						
1-1/2	**006120**	P2B-BASO-108	3.8						
1-11/16	**006124**	P2B-BASO-111	6.0	LD-20	3-3/8	6-1/4	2-1/4	4-11/32	4-21/32
1-3/4	**006125**	P2B-BASO-112	5.8						
1-15/16	**006128**	P2B-BASO-115	8.2	. . .	3-7/8	7	2-1/2	5-1/8	5-3/8
2	**006129**	P2B-BASO-200	8.0						
2-3/16	**006132**	P2B-BASO-203	12	. . .	4-3/8	7-3/4	2-3/4	5-1/2	6
2-7/16	**006136**	P2B-BASO-207	15	. . .	4-7/8	8-1/2	3	6	6-1/2
2-11/16	**006140**	P2B-BASO-211	19	. . .	5-3/8	9-1/4	3-1/4	6-1/2	7
2-15/16	**006144**	P2B-BASO-215	25	LD-45	5-7/8	10	3-1/2	7-9/32	7-23/32
3-3/16	**006148**	P2B-BASO-303	33	. . .	6-7/8	10-3/4	4	7-5/8	8-3/8
3-7/16	**006152**	P2B-BASO-307	30						

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

Sleeve Bearings - Babbitted

1/2” THRU 3-7/16” SOLID BABBITTED JOURNAL BEARINGS

Shaft Size	F Bolt	G	H	J	M	Grease Cups #		
						Pipe Tap	No. Reqd	Size
1/2	5/16	1/2	3/8	1-15/32	3/4	1/8	1	0
5/8 3/4	5/16	1/2	1/2	1-23/32	7/8	1/8	1	0
7/8 15/16 1	3/8	9/16	5/8	2	1	1/8	1	0
1-1/8 1-3/16 1-1/4	7/16	21/32	11/16	2-7/16	1-1/4	1/8	1	0
1-5/16 1-3/8 1-7/16 1-1/2	1/2	11/16	7/8	2-3/4	1-3/8	1/4	1	0
1-11/16 1-3/4	9/16	13/16	1	3-1/16	1-1/2	1/4	1	0
1-15/16 2	5/8	13/16	1-1/8	3-1/2	1-3/4	1/4	1	0
2-3/16	11/16	1-1/32	1-1/4	3-13/16	1-7/8	3/8	1	2
2-7/16	3/4	1-1/8	1-3/8	4-1/4	2-1/8	3/8	1	2
2-11/16	13/16	1-5/32	1-1/2	4-9/16	2-1/4	3/8	1	2
2-15/16	7/8	1-5/32	1-11/16	5	2-1/2	3/8	1	2
3-3/16 3-7/16	1	1-7/16	1-7/8	5-7/16	2-3/4	3/8	1	2

Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing.

See page B13-10 for grease fitting and reducer bushing part numbers

Note: All blocks have two base bolts.

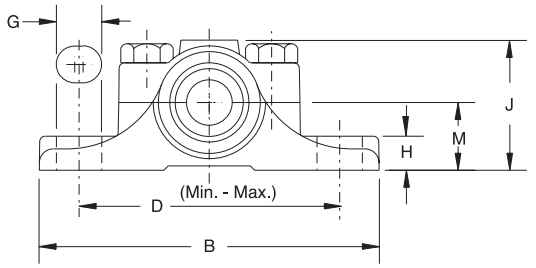
♦ No Published Metric Dimensions For This Product

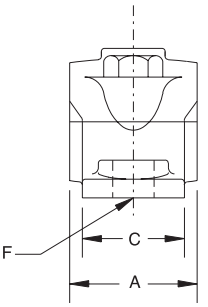
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Babbitted

1/2" THRU 3-15/16" SPLIT BABBITTED JOURNAL BEARINGS





Shaft Size	Part No.	Description	Wt.	A	B	C	D	
							Min.	Max.
1/2	**006001**	P2B-BASP-008	0.8	1-1/4	3-3/4	1	2-3/4	3
5/8	**006004**	P2B-BASP-010	1.1	1-1/2	4-1/4	1-1/8	3-1/8	3-3/8
3/4	**006007**	P2B-BASP-012	1.0					
7/8	**006010**	P2B-BASP-014	1.9	2	4-3/4	1-1/2	3-1/2	3-3/4
15/16	**006013**	P2B-BASP-015	1.8					
1	**006016**	P2B-BASP-100	1.7					
1-1/16	**006019**	P2B-BASP-101	3.3	2-1/2	5-1/4	1-3/4	4	4-1/4
1-1/8	**006022**	P2B-BASP-102	3.2					
1-3/16	**006025**	P2B-BASP-103	3.1					
1-1/4	**006028**	P2B-BASP-104	3.0					
1-5/16	**006031**	P2B-BASP-105	5.0	3	6-1/4	2	4-13/16	4-15/16
1-3/8	**006034**	P2B-BASP-106	4.8					
1-7/16	**006037**	P2B-BASP-107	1.6					
1-1/2	**006040**	P2B-BASP-108	4.4					
1-5/8	**006043**	P2B-BASP-110	6.6	3-3/8	6-3/4	2-1/4	5-1/8	5-3/8
1-11/16	**006046**	P2B-BASP-111	6.4					
1-3/4	**006049**	P2B-BASP-112	6.2					
1-15/16	**006052**	P2B-BASP-115	8.6	4	7-1/2	2-1/2	5-15/16	6-1/16
2	**006055**	P2B-BASP-200	8.3					
2-3/16	**006058**	P2B-BASP-203	12.2	4-1/2	8-1/2	2-3/4	6-1/4	6-3/4
2-1/4	**006061**	P2B-BASP-204	11.9					
2-7/16	**006064**	P2B-BASP-207	15.6	5	9-1/4	3	6-7/8	7-3/8
2-1/2	**006067**	P2B-BASP-208	15.1					
2-11/16	**006070**	P2B-BASP-211	20.0	5-3/8	10	3-5/16	7-1/2	8
2-15/16	**006073**	P2B-BASP-215	24.2	6	10-3/4	3-1/2	8-1/4	8-3/4
3	**006076**	P2B-BASP-300	23.7					
3-7/16	**006079**	P2B-BASP-307	40	6-7/8	12	4	8-7/8	9-5/8
3-15/16	**006082**	P2B-BASP-315	53	7-7/8	13-1/2	4-1/2	10-3/32	10-29/32

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

Sleeve Bearings - Babbitted

1/2" THRU 3-15/16" SPLIT BABBITTED JOURNAL BEARINGS

Shaft Size	F Bolt	G	H	J	M	Grease Cups #		
						Pipe Tap	No. Req'd	Size
1/2	5/16	1/2	23/64	1-15/32	3/4	1/8	1	0
5/8 3/4	5/16	1/2	1/2	1-23/32	7/8	1/8	1	0
7/8 15/16 1	3/8	9/16	9/16	2	1	1/8	1	0
1-1/16 1-1/8 1-3/16 1-1/4	7/16	5/8	5/8	2-7/16	1-1/4	1/8	1	0
1-5/16 1-3/8 1-7/16 1-1/2	9/16	11/16	3/4	2-3/4	1-3/8	1/4	1	0
1-5/8 1-11/16 1-3/4	9/16	25/32	13/16	3-1/16	1-1/2	1/4	1	0
1-15/16 2	11/16	13/16	15/16	3-1/2	1-3/4	1/4	1	0
2-3/16 2-1/4	11/16	1	1	3-13/16	1-7/8	3/8	1	2
2-7/16 2-1/2	11/16	1	1-1/8	4-1/4	2-1/8	3/8	1	2
2-11/16	13/16	1-1/8	1-3/16	4-9/16	2-1/4	3/8	1	2
2-15/16 3	13/16	1-1/8	1-5/16	5	2-1/2	3/8	1	2
3-7/16	15/16	1-3/8	1-1/2	5-3/4	2-7/8	1/2	1	3
3-15/16	1	1-1/2	1-5/8	6-7/16	3-1/8	1/2	1	3

Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing.
See page B13-10 for grease fitting and reducer bushing part numbers

Note: All blocks have 2 base bolts and 2 cap bolts

♦ No Published Metric Dimensions For This Product

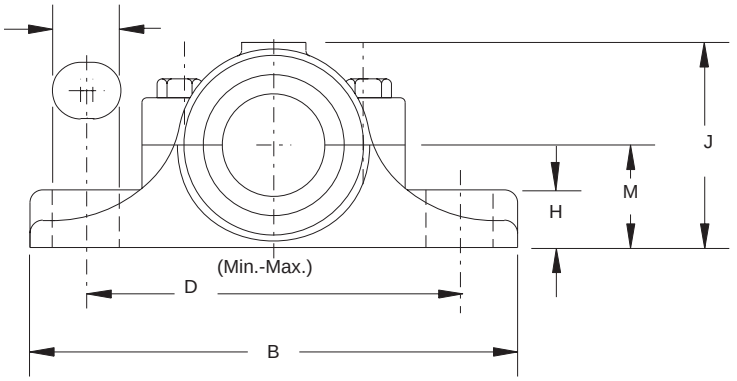
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

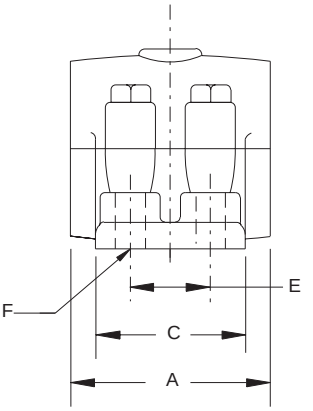
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Babbitted

1-15/16” THRU 8” RIGID BABBITTED JOURNAL BEARINGS (SPLIT HOUSING)





Shaft Size	Part No.	Description	Wt.	A	B	C	D	
							Min.	Max.
1-15/16	**004060**	P4B-BAR-115	10.6	4	8-1/4	3-1/2	6-3/8	6-5/8
2	**004063**	P4B-BAR-200						
2-3/16	**004066**	P4B-BAR-203	13.2	4-1/2	8-1/2	3-1/2	6-5/8	6-7/8
2-1/4	**004069**	P4B-BAR-204						
2-7/16	**004072**	P4B-BAR-207	18.4	5	10-1/4	4	7-3/4	8-1/4
2-1/2	**004075**	P4B-BAR-208						
2-11/16	**004078**	P4B-BAR-211	22.4	5-1/2	10-1/2	4-1/4	8	8-1/2
2-15/16	**004081**	P4B-BAR-215	30.6	6	11	4-1/2	8-1/2	9
3	**004084**	P4B-BAR-300						
3-3/16	**004087**	P4B-BAR-303	50.2	7	13	5	10-1/8	10-7/8
3-7/16	**004090**	P4B-BAR-307						
3-1/2	**004093**	P4B-BAR-308						
3-15/16	**004096**	P4B-BAR-315	64	8	14-3/4	5-1/2	11-1/2	12-1/2
4-7/16	**004099**	P4B-BAR-407	88	9	16-1/2	6-1/4	13	14
4-15/16	**004102**	P4B-BAR-415	113	10	18	7	14-3/8	15-5/8
5-7/16	**004105**	P4B-BAR-507	147	11	19-1/4	7-3/4	15-1/8	16-3/8
5-15/16	**004108**	P4B-BAR-515	184	12	20-1/2	8-1/2	15-7/8	17-1/8
6-1/2	**004113**	P4B-BAR-608	255	13	22	9-1/2	17-3/8	18-5/8
7	**004114**	P4B-BAR-700	310	14	23	10	18-3/8	19-5/8
7-1/2	**004115**	P4B-BAR-708	370	15	24-1/2	10-1/2	19-3/8	20-5/8
8	**004116**	P4B-BAR-800	430	16	26	11	20-3/4	22-1/4

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

DODGE®

Sleeve Bearings - Babbitted

1-15/16” THRU 8” RIGID BABBITTED JOURNAL BEARINGS (SPLIT HOUSING)

Shaft Size	E	F Bolt	G	H	J	M	Grease Cups #		
							Pipe Tap	No. Reqd	Size
1-15/16 2	1-3/4	1/2	3/4	7/8	3-1/2	1-3/4	1/4	1	1
2-3/16 2-1/4	1-3/4	1/2	3/4	1	3-13/16	1-7/8	3/8	1	2
2-7/16 2-1/2	2	5/8	1	1-1/8	4-1/4	2-1/8	3/8	1	2
2-11/16	2-1/4	5/8	1	1-1/4	4-9/16	2-1/4	3/8	1	2
2-15/16 3	2-1/2	5/8	1	1-3/8	5	2-1/2	3/8	1	2
3-3/16 3-7/16 3-1/2	2-3/4	3/4	1-1/4	1-1/2	5-29/32	3-1/4	1/2	1	3
3-15/16	3	3/4	1-3/8	1-5/8	6-17/32	3-1/2	1/2	1	4
4-7/16	3-1/2	7/8	1-1/2	1-3/4	7-17/32	4-1/8	1/2	1	4
4-15/16	4	7/8	1-5/8	1-7/8	8-7/32	4-1/2	1/2	1	4
5-7/16	4-1/2	1	1-3/4	2	9-1/32	5	1/2	2	3
5-15/16	5	1-1/8	1-7/8	2-1/8	9-7/8	5-1/2	1/2	2	3
6-1/2	5-1/2	1-1/8	1-7/8	2-1/4	10-23/32	6	1/2	2	4
7	6	1-1/4	2	2-3/8	11-1/2	6-1/2	1/2	2	4
7-1/2	6-1/4	1-3/8	2-1/8	2-1/2	12-5/32	6-3/4	1/2	2	4
8	6-3/4	1-3/8	2-1/4	2-1/2	12-3/4	7	1/2	2	4

Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing up thru 4-15/16” sizes and two required for balance of sizes.
See page B13-10 for grease fitting and reducer bushing part number.

Note: 1-15/16 - 3” sizes have 2 cap bolts. 3-3/16 and larger sizes have 4 cap bolts (shown in diagram)

♦ No Published Metric Dimensions For This Product

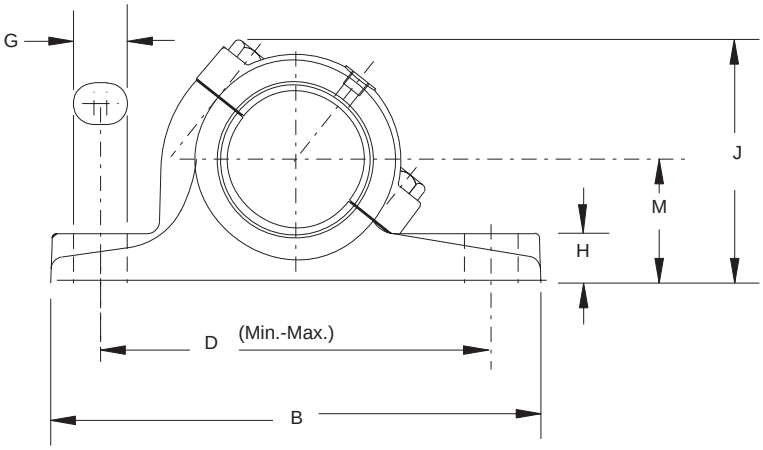
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

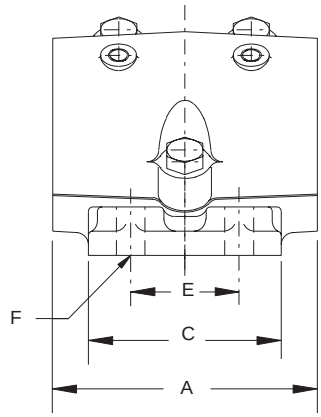
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Babbitted

1-15/16” THRU 8” ANGLE BABBITTED PILLOW BLOCKS





Shaft Size	Part No.	Description	Wt.	Used on Frame	A	B	C	D	
								Min.	Max.
1-15/16	**230050**	P4B-BAA-115	11	HD-200	4	8-1/4	3-1/2	6-5/16	6-11/16
2-3/16	**230053**	P4B-BAA-203	14	HD-200	4-1/2	8-1/2	3-1/2	6-9/16	6-15/16
2-7/16	**230056**	P4B-BAA-207	20	HD-200	5	10-1/4	4	7-11/16	8-5/16
2-11/16	**230059**	P4B-BAA-211	24	HB-250	5-1/2	10-1/2	4-1/4	7-15/16	8-9/16
2-15/16	**230062**	P4B-BAA-215	28	HD-250	6	11	4-1/2	8-7/16	9-1/16
3-7/16	**230065**	P4B-BAA-307	47	HD-300	7	13	5	10-1/16	10-15/16
3-15/16	**230068**	P4B-BAA-315	61	HD-350	8	14-3/4	5-1/2	11-7/16	12-9/16
4-7/16	**230071**	P4B-BAA-407	84	HD-400	9	16-9/16	6-5/16	12-15/16	14-1/16
4-15/16	**230074**	P4B-BAA-415	112	HD-400	10	18	7	14-5/16	15-11/16
5-7/16	**230077**	P4B-BAA-507	154	HD-500	11	19-3/4	8	15-1/16	16-7/16
5-15/16	**230080**	P4B-BAA-515	184	HD-500	12	20-1/2	8-1/2	15-13/16	17-3/16
6-1/2	**230134**	P4B-BAA-608	220	...	13	22	9-5/8	17-3/16	18-13/16
7	**230137**	P4B-BAA-700	275	...	14	23	10	18-1/4	19-3/4
8	**230140**	P4B-BAA-800	400	...	16	26	11	20-11/16	22-5/16

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

DODGE®

Sleeve Bearings - Babbitted

1-15/16” THRU 8” ANGLE BABBITTED PILLOW BLOCKS

Shaft Size	E	F Bolt	G	H	J	M	Grease Cups #		
							Pipe Tap	No. Reqd	Size
1-15/16	1-3/4	1/2	3/4	7/8	4-11/16	2-1/4	1/4	1	1
2-3/16	1-3/4	1/2	3/4	1	5-1/8	2-1/2	3/8	1	2
2-7/16	2	5/8	1	1-1/8	5-9/16	2-3/4	3/8	1	2
2-11/16	2-1/4	5/8	1	1-1/4	5-7/8	3	3/8	1	2
2-15/16	2-1/2	5/8	1	1-3/8	6-3/8	3-1/4	3/8	1	2
3-7/16	2-3/4	3/4	1-1/4	1-1/2	7-1/8	3-1/2	1/2	1	3
3-15/16	3	3/4	1-3/8	1-21/32	7-1/2	3-3/4	1/2	1	4
4-7/16	3-1/2	7/8	1-1/2	1-3/4	8-1/2	4-1/8	1/2	1	4
4-15/16	4	7/8	1-5/8	1-7/8	9-3/16	4-1/2	1/2	1	4
5-7/16	4-1/2	1-1/8	1-7/8	2	10-1/4	5	1/2	2	3
5-15/16	5	1-1/8	1-7/8	2-1/8	11-1/16	5-1/2	1/2	2	3
6-1/2	5-1/2	1-1/8	2	2-1/4	12-1/8	6	1/2	2	4
7	6	1-1/8	2	2-3/8	13	6-1/2	1/2	2	4
8	6-3/4	1-3/8	2-1/4	2-1/2	14-1/16	7	1/2	2	4

Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing up thru 4-15/16, sizes and two required for balance of sizes.
See page B13-10 for grease fitting and reducer bushing part number.

Note: 1-15/16 - 3-7/16” sizes have 2 cap bolts.
3-7/16 - 5-15/16” have 3 cap bolts (shown in diagram).
6-1/2” and larger sizes have 4 cap bolts.

♦ No Published Metric Dimensions For This Product

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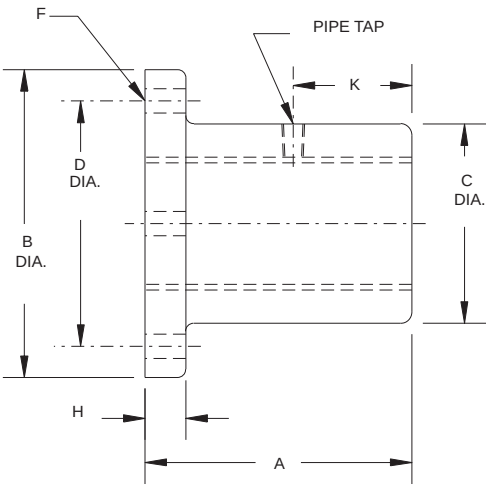
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Babbitted

1-15/16" THRU 4-15/16" PLATE TYPE BABBITTED FLANGE BEARING



Shaft	Part No.	Description	Wt.	A	B Dia.	C Dia.	D Dia.
15/16	**037001**	F4B-BAP-015	2	2	4	2	3
1	**037010**	F4B-BAP-100					
1-3/16	**037002**	F4B-BAP-103	3.6	2-1/2	4-1/2	2-1/2	3-1/2
1-1/4	**037011**	F4B-BAP-104					
1-7/16	**037003**	F4B-BAP-107	5.3	3	5-1/4	2-3/4	4
1-1/2	**037012**	F4B-BAP-108					
1-11/16	**037004**	F4B-BAP-111	8.6	3-1/2	6	3-1/4	4-3/4
1-15/16	**037005**	F4B-BAP-115	12	4	6-1/2	3-3/4	5-1/4
2	**037013**	F4B-BAP-200					
2-3/16	**037006**	F4B-BAP-203	17	4-1/2	7-1/2	4	5-3/4
2-7/16	**037007**	F4B-BAP-207	22	5	8	4-1/2	6-1/4
2-11/16	**037017**	F4B-BAP-211	32	5-1/2	9	5	7
2-15/16	**037009**	F4B-BAP-215	35	6	9-1/2	5-1/4	7-1/2
3-7/16	**037020**	F4B-BAP-307	53	7	10-3/8	6-1/4	8-1/2
3-15/16	**037022**	F4B-BAP-315	70	8	11-1/8	6-7/8	9-1/4
4-7/16	**037024**	F4B-BAP-407	103	9	12-5/8	7-3/4	10-1/2
4-15/16	**037026**	F4B-BAP-415	140	10	14	8-1/2	11-1/2

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

DODGE®

Sleeve Bearings - Babbitted

1-15/16” THRU 4-15/16” PLATE TYPE BABBITTED FLANGE BEARING

Shaft	F Bolt		H	K	Grease Cups #	
	No.	Size			Pipe Tap	Size
15/16 1	4	3/8	3/8	3/4	1/8	0
1-3/16 1-1/4	4	3/8	7/16	1	1/8	0
1-7/16 1-1/2	4	1/2	1/2	1-1/4	1/4	0
1-11/16	4	1/2	5/8	1-1/2	1/4	0
1-15/16 2	4	1/2	11/16	1-5/8	1/4	1
2-3/16	4	5/8	3/4	1-7/8	3/8	2
2-7/16	4	5/8	7/8	2-1/8	3/8	2
2-11/16	4	3/4	1	1-3/4	3/8	2
2-15/16	4	3/4	1	2-1/4	3/8	2
3-7/16	6	3/4	1	2-3/4	1/2	3
3-15/16	6	3/4	1-1/8	3-1/4	1/2	4
4-7/16	6	7/8	1-1/4	3-3/4	1/2	4
4-15/16	6	1	1-3/8	4-1/4	1/2	4

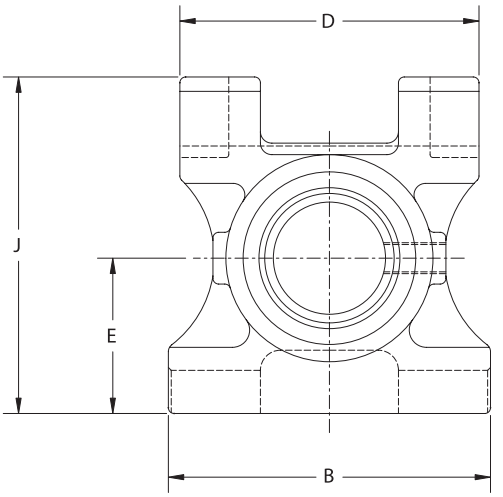
Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing.
See page B13-10 for grease fitting and reducer bushing part number.

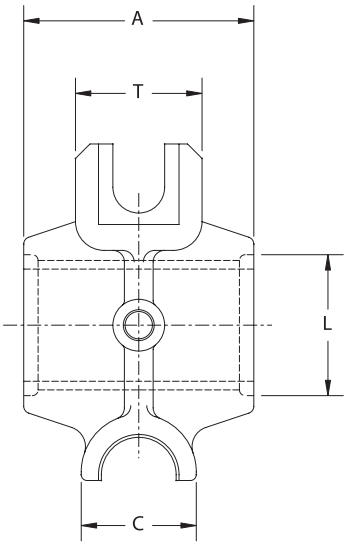
♦ No Published Metric Dimensions For This Product

SELECTION/DIMENSIONS

Sleeve Bearings - Babbitted

TYPE H BABBITTED TAKE-UP BEARINGS





Shaft Size	Part No.	Description	Frame Size
1-15/16	**012215**	TP-H-115	TP10
2-3/16	**012216**	TP-H-203	TP10
2-7/16	**012217**	TP-H-207	TP30
2-15/16	**021218**	TP-H-215	TP30
3-7/16	**021219**	TP-H-307	TP50
3-15/16	**021220**	TP-H-315	TP50

Sleeve Bearings - Babbitted

TYPE H BABBITTED TAKE-UP BEARINGS

Shaft Size	Weight lbs.	Frame Size	A	B	C	D	E	J	L	T	Pipe Tap	Cup Size
1-15/16	12.5	TP10	4	6	2-3/8	5-1/2	3	6-1/8	2-7/16	2-3/8	1/4	0
2-3/16	12.6	TP10	4-1/2	6	2-3/8	5-1/2	3	6-1/8	2-3/4	2-3/8	3/8	2
2-7/16	22.4	TP30	5	7	2-1/2	6-1/2	3-3/8	7-5/16	3-1/16	2-3/4	3/8	2
2-15/16	23.6	TP30	6	7	2-1/2	6-1/2	3-3/8	7-5/16	3-9/16	2-3/4	3/8	2
3-7/16	46.0	TP50	7	9	3-1/8	8-1/2	4-1/2	9-5/8	4-3/16	3-1/8	3/8	2
3-15/16	47.2	TP50	8	9	3-1/8	8-1/2	4-1/2	9-5/8	4-11/16	3-1/8	3/8	2

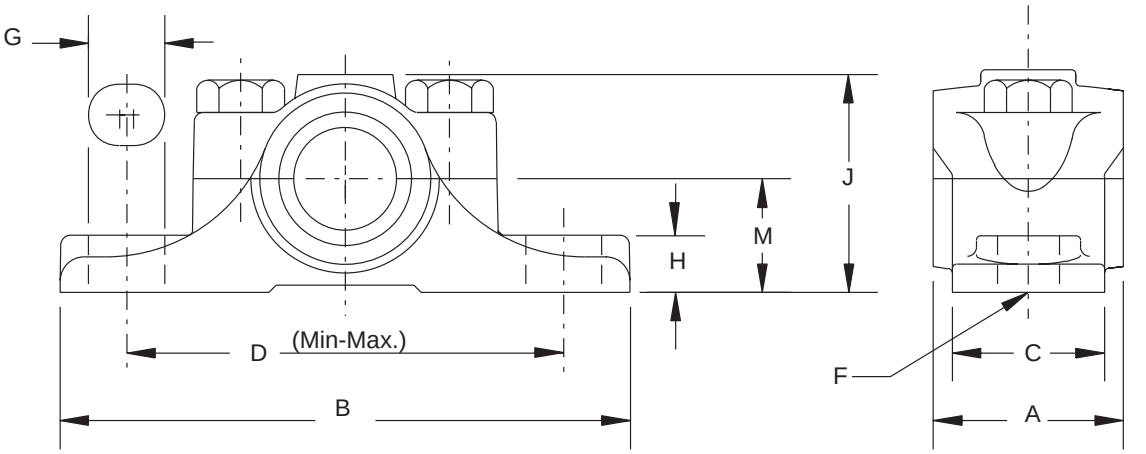
FEATURES/BENEFITS PAGE B13-2 | SPECIFICATION/HTO PAGE B13-4 | NOMENCLATURE PAGE B13-5 | SELECTION PAGE B13-6

SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Bronze-Bushed

1-15/16" THRU 2-15/16" SPLIT BRONZE JOURNAL BEARING



Shaft Size	Part No.	Description	Wt.	A	B	C	D	
							Min.	Max.
1-15/16	**005070**	P2B-BZSP-115	9	3-7/8	7-1/2	2-1/2	5-15/16	6-1/16
2-3/16	**005073**	P2B-BZSP-203	12	4-3/8	8-1/2	2-3/4	6-1/4	6-3/4
2-7/16	**005076**	P2B-BZSP-207	15	4-7/8	9-1/4	3	6-7/8	7-3/8
2-11/16	**005079**	P2B-BZSP-211	20	5-3/8	10	3-1/4	7-1/2	8
2-15/16	**005082**	P2B-BZSP-215	24	6	10-3/4	3-1/2	8-1/4	8-3/4

Shaft Size	F Bolt	G	H	J	M	Grease Cups #		
						Pipe Tap	No. Req'd	Size
1-15/16	5/8	13/16	15/16	3-1/2	1-3/4	1/4	1	0
2-3/16	5/8	1	1	3-7/8	1-7/8	3/8	1	2
2-7/16	5/8	1	1-1/8	4-1/4	2-1/8	3/8	1	2
2-11/16	3/4	1-1/8	1-3/16	4-9/16	2-1/4	3/8	1	2
2-15/16	3/4	1-1/8	1-5/16	5	2-1/2	3/8	1	2

Grease cups or pressure fittings may be obtained thru our distributors; one required per bearing.

See page B13-10 for grease fitting and reducer bushing part number.

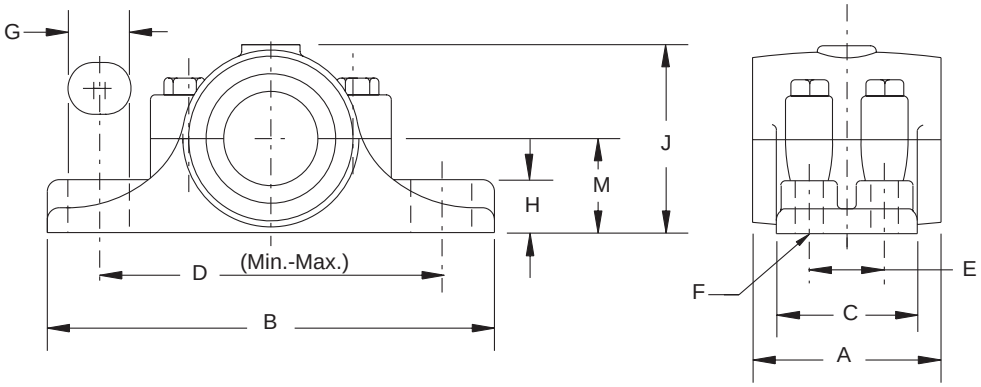
Note: All sizes have 2 bolt base and 2 cap bolts.

♦ No Published Metric Dimensions For This Product

DODGE®

Sleeve Bearings - Bronze-Bushed

15/16" THRU 215/16" SPLIT BRONZE JOURNAL BEARING



Shaft Size	Part No.	Description	Wt.	A	B	C	D	
							Min.	Max.
3-7/16	**005085**	P4B-BZR-307	47	7	13	5	10-1/8	10-7/8
3-15/16	**005088**	P4B-BZR-315	64	8	14-3/4	5-1/2	11-1/2	12-1/2
4-7/16	**005091**	P4B-BZR-407	89	9	16-1/2	6-1/4	13	14
4-15/16	**005094**	P4B-BZR-415	115	10	18	7	14-3/8	15-5/8
5-7/16	**005097**	P4B-BZR-507	137	11	19-1/4	7-3/4	15-1/8	16-3/8
5-15/16	**005100**	P4B-BZR-515	180	12	20-1/2	8-1/2	15-7/8	17-1/8
6-1/2	**005195**	P4B-BZR-608	255	13	22	9-1/2	17-3/8	18-5/8
7	**005198**	P4B-BZR-700	310	14	23	10	18-3/8	19-5/8
7-1/2	**005199**	P4B-BZR-708	370	15	24-1/2	10-1/2	19-3/8	20-5/8
8	**005201**	P4B-BZR-800	430	16	26	11	20-3/4	22-1/4

Shaft Size	E	F Bolt	G	H	J	M	Grease Cups #		
							Pipe Tap	No. Reqd	Size
3-7/16	2-3/4	3/4	1-1/4	1-1/2	6-1/32	3-1/4	1/2	1	3
3-15/16	3	3/4	1-3/8	1-5/8	6-1/2	3-1/2	1/2	1	4
4-7/16	3-1/2	7/8	1-1/2	1-3/4	7-15/32	4-1/8	1/2	1	4
4-15/16	4	7/8	1-5/8	1-7/8	8-1/32	4-1/2	1/2	1	4
5-7/16	4-1/2	1	1-3/4	2	8-15/16	5	1/2	2	3
5-15/16	5	1-1/8	1-7/8	2-1/8	9-13/16	5-1/2	1/2	2	3
6-1/2	5-1/2	1-1/8	1-7/8	2-1/4	10-11/16	6	1/2	2	4
7	6	1-1/4	2	2-3/8	11-7/16	6-1/2	1/2	2	4
7-1/2	6-1/4	1-3/8	2-1/8	2-1/2	12-1/8	6-3/4	1/2	2	4
8	6-3/4	1-3/8	2-1/4	2-1/2	12-11/16	7	1/2	2	4

Grease cups or pressure fittings may be obtained thru our distributors; one required per pillow block u thru 4-15/16" sizes and two required for balance of sizes.

See page B13-10 for grease fitting and reducer bushing part number.

Note: All sizes have 4 base bolts. - 3-7/16" and larger sizes have 4 cap bolts.

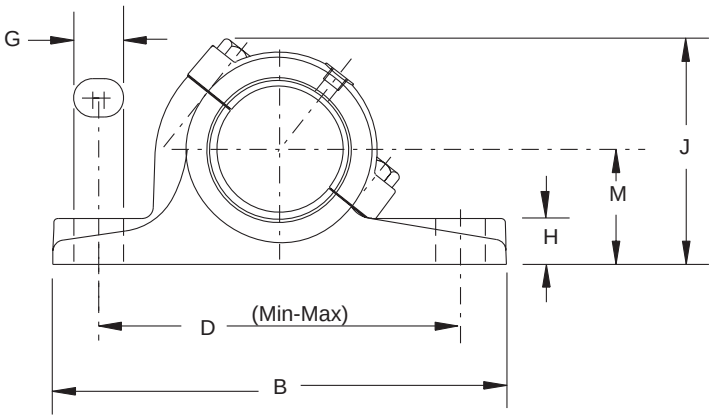
♦ No Published Metric Dimensions For This Product

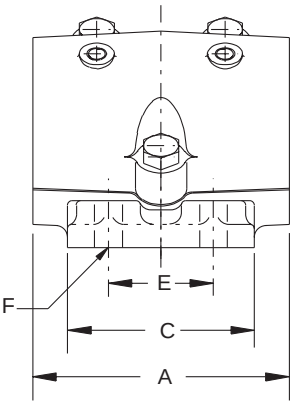
SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - Bronze-Bushed

1-15/16” THRU 8” ANGLE BRONZE-BUSHED PILLOW BLOCKS





Shaft	Part No.	Description	Wt.	Used on Frame	A	B	C	D	
								Min.	Max.
1-15/16	**231063**	P4B-BZA-115	10	HD-200	4	8-1/4	3-1/2	6-5/16	6-11/16
2-3/16	**231069**	P4B-BZA-203	14	HD-200	4-1/2	8-1/2	3-1/2	6-9/16	6-15/16
2-7/16	**231075**	P4B-BZA-207	20	HD-200	5	10-1/4	4	7-11/16	8-5/16
2-11/16	**231081**	P4B-BZA-211	22	HD-250	5-1/2	10-1/2	4-1/4	7-15/16	8-9/16
2-15/16	**231087**	P4B-BZA-215	28	HD-250	6	11	4-1/2	8-7/16	9-1/16
3-7/16	**231096**	P4B-BZA-307	46	HD-300	7	13	5	10-1/16	10-15/16
3-15/16	**231102**	P4B-BZA-315	62	HD-350	8	14-3/4	5-1/2	11-7/16	12-9/16
4-7/16	**231108**	P4B-BZA-407	85	HD-400	9	16-9/16	6-5/16	12-15/16	14-1/16
4-15/16	**231114**	P4B-BZA-415	109	HD-400	10	18	7	14-5/16	15-11/16
5-7/16	**231120**	P4B-BZA-507	142	HD-500	11	19-3/4	8	15-1/16	16-7/16
5-15/16	**231126**	P4B-BZA-515	180	HD-500	12	20-1/2	8-1/2	15-13/16	17-3/16
6-1/2	**231135**	P4B-BZA-608	220	...	13	22	9-5/8	17-3/16	18-13/16
7	**231141**	P4B-BZA-700	275	...	14	23	10	18-1/4	19-3/4
8	**231150**	P4B-BZA-800	400	...	16	26	11	20-11/16	22-5/16

♦ No Published Metric Dimensions For This Product

FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

DODGE®

Sleeve Bearings - Bronze-Bushed

1-15/16” THRU 8” ANGLE BRONZE-BUSHED PILLOW BLOCKS

Shaft	E	F Bolt	G	H	J	M	Cap Bolts Quantity	Grease Cups #		
								Pipe Tap	Qty.	Size
1-15/16	1-3/4	1/2	3/4	7/8	4-11/16	2-1/4	2	1/4	1	1
2-3/16	1-3/4	1/2	3/4	1	5-1/8	2-1/2	2	3/8	1	2
2-7/16	2	5/8	1	1-1/8	5-9/16	2-3/4	2	3/8	1	2
2-11/16	2-1/4	5/8	1	1-1/4	5-7/8	3	2	3/8	1	2
2-15/16	2-1/2	5/8	1	1-3/8	6-3/8	3-1/4	2	3/8	1	2
3-7/16	2-3/4	3/4	1-1/4	1-1/2	7-1/8	3-1/2	2	1/2	1	3
3-15/16	3	3/4	1-3/8	1-5/8	7-1/2	3-3/4	3	1/2	1	4
4-7/16	3-1/2	7/8	1-1/2	1-3/4	8-1/2	4-1/8	3	1/2	1	4
4-15/16	4	7/8	1-5/8	1-7/8	9-3/16	4-1/2	3	1/2	1	4
5-7/16	4-1/2	1	1-7/8	2	10-1/4	5	3	1/2	2	3
5-15/16	5	1-1/8	1-7/8	2-3/16	11-1/16	5-1/2	3	1/2	2	3
6-1/2	5-1/2	1-1/8	2	2-1/4	12-1/8	6	4	1/2	2	4
7	6	1-1/4	2	2-3/8	13	6-1/2	4	1/2	2	4
8	6-3/4	1-3/8	2-1/4	2-1/2	14-1/16	7	4	1/2	2	4

Grease cups or pressure fittings may be obtained thru our distributors; one required per pillows block up thru 4-15/16” sizes and two required for balance of sizes.
See page B13-10 for grease fitting and reducer bushing part number.

Note: 1-15/16 - 3-7/16” sizes have 2 cap bolts
3-15/16 - 5-15/16” sizes have 3 cap bolt (shown in diagram)
6-1/2” and larger have 4 cap bolts

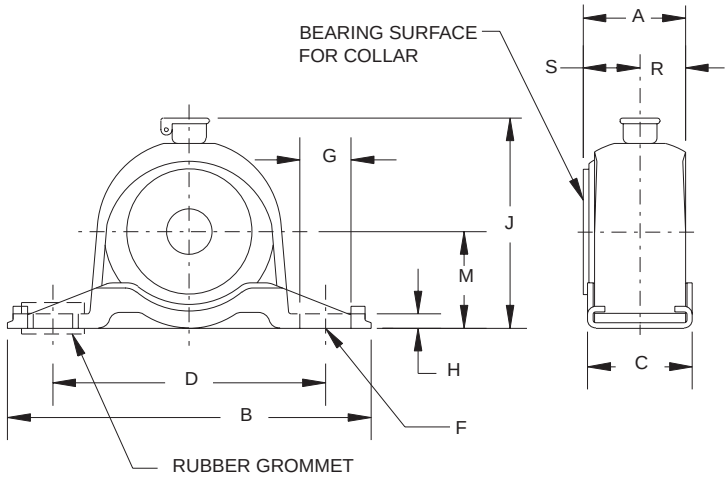
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

SELECTION/DIMENSIONS

DODGE®

Sleeve Bearings - BRONZOIL

1/2” THRU 1-1/4” BRONZOIL PILLOW BLOCKS



Shaft Size	Part No.	Description	Wt.	A	B	C	D
1/2	**035025**	P2B-BO-008					
5/8	**035026**	P2B-BO-010	0.6	1-1/8	4	1-3/16	3
3/4	**035027**	P2B-BO-012					
7/8	**035028**	P2B-BO-014					
15/16	**035029**	P2B-BO-015	0.5	1-1/8	4	1-3/16	3
1	**035030**	P2B-BO-100					
1-3/16	**035107**	P2B-BO-103	1.3	1-3/4	4-1/2	1-1/4	3-1/2
1-1/4	**035108**	P2B-BO-104	1.2	1-3/4	4-1/2	1-1/4	3-1/2

Shaft Size	F Bolt	G	H	J	M	R	S
1/2							
5/8	3/8	9/16	5/32	2- 5/16	1-1/16	1/2	5/8
3/4							
7/8							
15/16	3/8	9/16	5/32	2-5/16	1-1/16	1/2	5/8
1							
1-3/16	3/8	9/16	5/32	2-13/16	1-5/16	7/8	7/8
1-1/4	3/8	9/16	5/32	2-13/16	1-5/16	27/32	29/32

Grommets are optional and furnished on order only. Order (2) grommet long nipples (part number 035082) for each pillow block

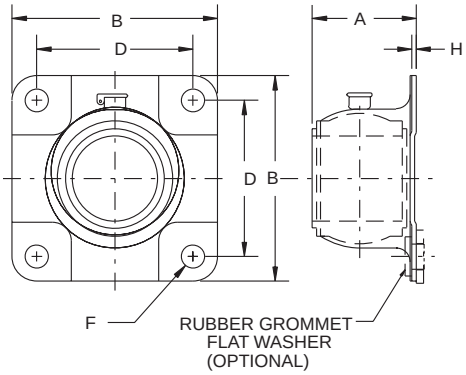
When grommets are used, the J and M dimensions increase by 1/16” and the H dimension by 1/8”. A 5/16” bolt and a washer must be used with each grommet. Washer part number 035084.

♦ No Published Metric Dimensions For This Product

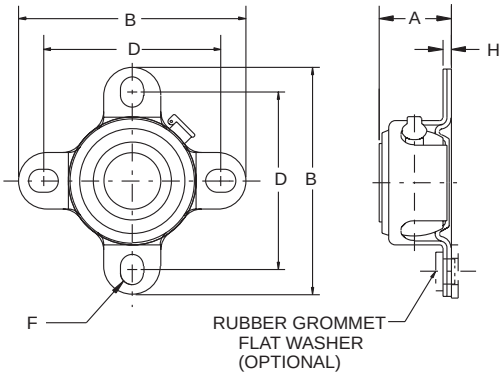
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

Sleeve Bearings - BRONZOIL

1/2” THRU 1-1/4” BRONZOIL 4-BOLT FLANGE BEARING



STYLE A



STYLE B

Shaft Size	Part No.	Description	Wt.	A	B
1/2	**035031**	F4B-BO-008	0.60	1-1/4	4
5/8	**035032**	F4B-BO-010			
3/4	**035033**	F4B-BO-012			
7/8	**035034**	F4B-BO-014	0.50	1-1/4	4
15/16	**035035**	F4B-BO-013			
1	**035036**	F4B-BO-100			
1-3/16	**035116**	F4B-BO-103	1.30	1-7/8	3-5/8
1-1/4	**035117**	F4B-BO-104	1.20	1-29/32	3-5/8

Shaft Size	D	F Bolt	H	STYLE
1/2 5/8 3/4	3-1/8	3/8	5/32	B
7/8 15/16 1	3-1/8	3/8	5/32	B
1-3/16	2-3/4	3/8	1/16	A
1-1/4	2-3/4	3/8	1/16	A

Grommets are optional and furnished on order only. Order (4) grommet short nipples (part number **035083**) for each flange bearing.

When grommets are used, the A dimension increases by 1/16” and the H dimension by 1/8”. A 5/16” bolt and a washer must be used with each grommet. Washer part number 035084.

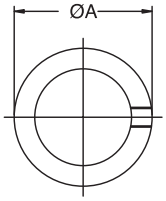
♦ No Published Metric Dimensions For This Product

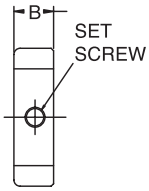
FEATURES/BENEFITS PAGE B13-2	SPECIFICATION/HTO PAGE B13-4	NOMENCLATURE PAGE B13-5	SELECTION PAGE B13-6

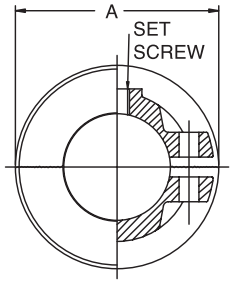
SELECTION/DIMENSIONS

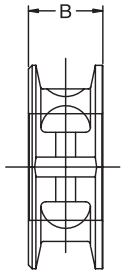
DODGE®

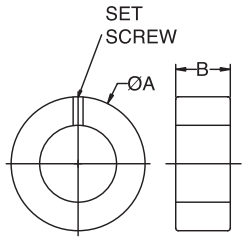
Shaft Collars











Solid Steel						
Shaft Size	Part Number *		Dimensions			
	Steel	Stainless	O.D. (A)	Width (B)	Screw	Wt.
1/8	-----	**456225**	0.36	0.25	#6	0.01
3/16	**040001**	**456226**	0.44	0.25	#8	0.01
1/4	**040002**	**456227**	0.50	0.28	#10	0.01
5/16	**040003**	**456228**	0.63	0.34	#10	0.01
3/8	**040004**	**456229**	0.75	0.38	1/4	0.01
7/16	**040005**	-----	0.88	0.44	1/4	0.05
1/2	**040006**	**456230**	1.00	0.44	1/4	0.1
9/16	**040007**	-----	1.00	0.44	1/4	0.1
5/8	**040008**	**456231**	1.13	0.50	5/16	0.1
11/16	**040009**	-----	1.25	0.56	5/16	0.1
3/4	**040010**	**456232**	1.25	0.56	5/16	0.1
13/16	**040011**	-----	1.31	0.56	5/16	0.1
7/8	**040012**	**456234**	1.50	0.56	5/16	0.2
15/16	**040013**	-----	1.63	0.56	5/16	0.2
1	**040014**	**456234**	1.63	0.63	5/16	0.2
1-1/16	**040015**	-----	1.75	0.63	5/16	0.2
1-1/8	**040016**	**456235**	1.75	0.63	5/16	0.2
1-3/16	**040017**	-----	2.00	0.69	3/8	0.4
1-1/4	**040018**	**456236**	2.00	0.69	3/8	0.4
1-5/16	**040019**	-----	2.13	0.69	3/8	0.4
1-3/8	**040020**	-----	2.13	0.75	3/8	0.4
1-7/16	**040021**	-----	2.25	0.75	3/8	0.5
1-1/2	**040022**	**456237**	2.25	0.75	3/8	0.5
1-9/16	**040023**	-----	2.50	0.81	3/8	0.7
1-5/8	**040024**	-----	2.50	0.81	3/8	0.6
1-11/16	**040025**	-----	2.50	0.81	3/8	0.6
1-3/4	**040026**	**456238**	2.75	0.88	1/2	0.8
1-7/8	**040027**	-----	2.75	0.88	1/2	0.8
1-15/16	**040028**	-----	3.00	0.88	1/2	1.0
2	**040029**	**456239**	3.00	0.88	1/2	1.0
2-3/16	**040030**	-----	3.25	0.94	1/2	1.2
2-1/4	**040031**	-----	3.25	0.94	1/2	1.2
2-7/16	**040032**	-----	3.50	1.00	1/2	1.4
2-1/2	**040033**	-----	3.50	1.00	1/2	1.3
2-15/16	**040034**	-----	4.25	1.13	1/2	2.2

NOTE: Steel is mild carbon steel.
Stainless is 300-series stainless.
All sizes are fitted with one setscrew.

Solid Iron				
Shaft Size	Part Number	Dimensions		
		O.D. (A)	Width (B)	Wt.
1-15/16	**010020**	3.38	1.38	2.5
2	**010021**	3.38	1.38	2.5
2-3/16	**010024**	3.75	1.38	3.0
2-7/16	**010028**	4.25	1.50	4.3
2-1/2	**010029**	4.25	1.50	4.3
2-11/16	**010032**	4.75	1.50	5.0
2-15/16	**010036**	5.00	1.63	5.6
3-3/16	**010039**	5.50	1.63	7.0
3-7/16	**010043**	5.75	1.75	7.6
3-15/16	**010048**	6.50	1.88	10.0
4-7/16	**010051**	7.25	2.00	12.0
4-15/16	**010054**	8.00	2.13	16.3
5-7/16	**010055**	8.75	2.13	18.5
5-15/16	**010056**	9.25	2.25	23.0
6	**010057**	9.25	2.25	23.0
6-1/2	**010058**	10.00	2.25	25.0
7	**010059**	10.50	3.38	32.0
7-1/2	**010060**	11.38	2.50	35.0
8	**010061**	12.13	2.88	45.0

NOTE: Solid and Split iron collars have one set screw thru 3-1/4" bore size. 3-3/16" and larger bores have two setscrews.

Split Iron				
Shaft Size	Part Number	Dimensions		
		O.D. (A)	Width (B)	Wt.
1-1/8	**010075**	3.13	1.25	1.3
1-3/16	**010076**	3.13	1.25	1.3
1-1/4	**010077**	3.13	1.25	1.3
1-5/16	**010078**	3.38	1.44	1.8
1-7/16	**010080**	3.38	1.44	1.8
1-1/2	**010081**	3.38	1.44	1.8
1-11/16	**010084**	3.75	1.56	2.4
1-3/4	**010085**	3.75	1.56	2.4
1-15/16	**010088**	4.06	1.75	2.6
2	**010089**	4.06	1.75	2.6
2-3/16	**010092**	4.50	1.88	3.4
2-1/4	**010093**	4.50	1.88	3.4
2-7/16	**010096**	4.44	1.88	3.8
2-1/2	**010097**	4.88	2.00	4.3
2-11/16	**010100**	5.31	2.06	5.4
2-15/16	**010104**	5.50	1.88	4.6
3	**010105**	5.50	1.88	4.4
3-3/16	**010107**	6.06	2.38	8.0
3-7/16	**010110**	6.06	2.38	6.0
3-11/16	**010112**	6.81	2.63	10.6
3-15/16	**010114**	7.00	2.75	9.0
4-7/16	**010117**	8.13	3.31	17.0
4-15/16	**010120**	8.50	3.25	20.8
5-7/16	**010123**	9.00	3.25	23.0
5-15/16	**010126**	9.50	3.25	23.7
6	**010127**	10.13	4.06	35.0
6-1/2	**010128**	11.00	4.25	41.0
7	**010129**	12.00	4.50	46.0
7-1/2	**010130**	12.94	4.69	56.0
8	**010131**	13.50	4.88	71.0

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NOTES

SLEEVOIL

GENERAL OPERATING CHARACTERISTICS

Though originally designed for the exacting requirements of the air handling industry, R Series SLEEVOIL pillow blocks are suitable for a wide range of industrial applications where a precision built, split, babbitted, ring-oiled bearing is required which is self aligning and quiet in operation.

SLEEVOIL pillow blocks have good cooling capabilities. Water cooled (WC) and externally cooled (XC) types operate at higher speeds and load ranges than plain units and function well near high temperature sources.

WHERE SLEEVOIL BEARINGS ARE CURRENTLY USED

- Fans & Blowers
- Generators
- Test Stands
- Pumps
- Motors
- Dynamometers
- Compressors
- Turbines

FEATURES AND BENEFITS SLEEVOIL

- Fully split housing for trouble-free assembly and disassembly
- Rugged construction using gray iron housing and liner for durability
- Babbitt lining offers conformability and shaft protection
- Completely self-aligning as a result of ball and socket mounting between liner and base
- Dependable oil ring lubrication with self-contained oil supply
- Convenient oil gage can be positioned on either side of housing
- Proven reliability and dependable performance guard against catastrophic failures.
- Extended life is a plus with no metal-to-metal contact during operation. More than ten times the theoretical life of anti-friction bearings
- High speed capabilities because of self-pressurized full oil film
- Adequate vibration dampening is handled by the hydrodynamic oil film which absorbs shock
- Effective heat transfer accomplished by journal surrounded by improved coolant chambers
- Quiet operation accomplished by full separation of mating parts

SLEEVOIL
R Series Pillow Block

- 1-7/16” size is stocked as a Plain pillow block
- 1-11/16” - 3-7/16” sizes are stocked as Plain/Water cooled (PLWC) pillow block
- 3-15/16” - 8” sizes are stocked as Plain/Externally Cooled (PLXC) pillow blocks (standard and short series)
- PLXC Liner Only

PLWC Pillow

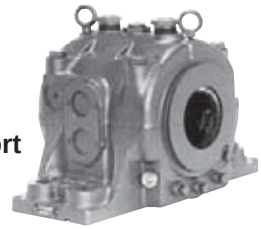
STL (Standard)

PLXC

NOTE:

Also available: Water Cooled Replacement Liners. (WC repl) - Small pipes

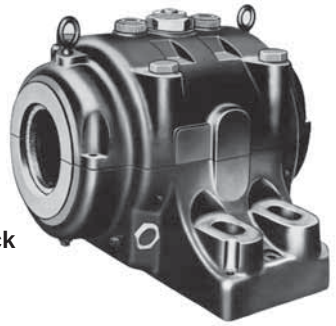
SSL (Short Series)



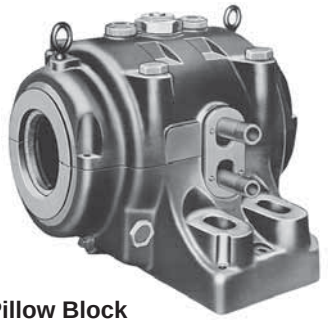
FEATURES/BENEFITS

SLEEVOIL
R Series Pillow Block

- 9” - 14” sizes



Plain Pillow Block

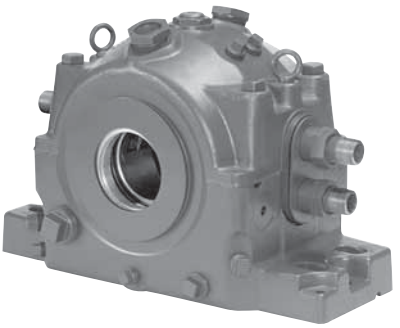


XC Pillow Block

SLEEVOIL
R Series Pillow Block

- All R series jacketed liners designated as XC can be air, oil, or water cooled.
- Thrust collars convert the expansion bearing into a non-expansion bearing.
- Short series housings require less shaft space and are for expansion bearings only.
- 3-7/16, and larger bore housings are pre-machined for thermocouples, heaters, thermostats, vibration detector adapter kits, auxiliary seal kits, end cap kits and circulating oil kits.
- 3-15/16 - 8, water cooled replacement (WC repl) liners fit in the R series housings. WC repl liners have small pipes.
- PLXC Liners will not fit in old WC housings (prior to 1973); R Series housing is required.

SLEEVOIL
RTL Series Pillow Block
3-7/16” - 12” Sizes



RTL Series Pillow Block

General Operating Characteristics

RTL pillow block blocks offer excellent radial and thrust load capacities. Large coolant chambers provide especially effective heat dissipation when used with circulating coolant systems. This provides exceptionally strong bearing performance near high heat sources or gases.

The inner liner of the RTL has a center cavity which provides flooding lubrication to the thrust plates. This cavity acts as a reservoir to provide lubrication even during start-up and divides the radial area into two individual load sections. A single thrust collar is required. If a split collar is used, a shaft recess is necessary.

Coolant chambers, which cool both the thrust plates and radial load sections, are of sufficient size to allow the use of water, air, or oil as the internal coolant.

Expansion pillow blocks are furnished as standard. When non-expansion blocks are specified, a thrust collar and thrust plate kit are required.

- Reliable high speed operation.
- Three times the thrust load capability of the R series.
- Suitable for operation near high heat sources.
- Pre-machined for thermocouples, circulating oil kit, vibration detector adapter kit, auxiliary seal kits, end cap kit, heater and thermostat.

SLEEVOIL

P Series Pillow Block

80mm - 250mm Sizes

P Series Pedestal

General Operating Characteristics

P Series pedestal bearings are designed to operate in a very wide range of speeds, with bidirectional, tin babbitted radial and thrust bearing profiles. A superior oil ring and a large number of fins on both the inboard and outboard sides of the lower housing allow cooler operation.

The P Series Pedestal Bearing is dimensionally interchangeable with all DIN 31690 and ISO11687-1 bearings. All components are fully split. Housings are pre-machined for thermocouples, circulating oil, heaters and thermostats. The P Series is used on motors, generators, fans, test stands, dynamometers, pumps, compressors and other turbomachinery. Housing sizes 9-22 are standard. Other sizes are available.

High-Performance Features

- Fully split components allow trouble free assembly and disassembly

  High-tin babbitt liners assure conformability and shaft protection
- Greater housing surface area and sump capacity for cooler operating temperatures
- Engineered oil ring delivers maximum lubricant to bearing
- Pre-machined for circulating oil, thermocouples, heaters, and thermostats
- Floating or fixed labyrinth oil seals meet IP44; optional IP55 and IP56 protection available
- Fixed labyrinth oil seals are premachined for Bently Nevada proximity probe housing
- Grounding and insulation options available

SPECIFICATION/ HOW TO ORDER

SLEEVOIL

- **Fully Split Housing** for trouble-free assembly and disassembly
- **Rugged Construction** using gray iron housing and liner for durability
- **Babbitt Lining** offers conformability and shaft protection
- **Completely Self-Aligning** as a result of ball and socket mounting between liner and base
- **Dependable Oil Ring Lubrication** with self-contained oil supply
- **Convenient Oil Gage** can be positioned at one end either side of housing
- **Proven Reliability** and dependable performance guard against catastrophic failures
- **Extended Life** is a plus with no metal-to-metal contact during operation. More than ten times the theoretical life of anti-friction bearings
- **High Speed Capabilities** because of self-pressurized full oil film
- **Adequate Vibration Dampening** is handled by the hydrodynamic oil film which absorbs shock
- **Effective Heat Transfer** accomplished by journal surrounded by improved coolant chambers
- **Quiet Operation** accomplished by full separation of mating parts

How To Order Traditional And DIN SLEEVOIL

There are two ways to specify DODGE SLEEVOIL Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part number. This method is used when ordering units that include special modifications or options. To order by description, use the nomenclature shown on pages B14-7 and B14-8; plus add any special instructions, drawings, data sheets and specific information to the end of the description for options not covered by the nomenclature.

SLEEVOIL

SLEEVOIL BEARING NOMENCLATURE - R &RTL SERIES:

STYLE		PRODUCT		SHAFT SIZE	
RTL	-	TPK	-	307	

STYLE:

STD	Standard Series
PLWC	Plain/Water Cooled
SSL	Short Series Loaded
STL	Standard Series Loaded
RTL	Radial Thrust Loaded
PL	Plain
PLXC	Plain/Externally Cooled
SSH	Short Series
XC	Externally Cooled

PRODUCT:

PB	Pillow Block
HSG	Housing
LNR	Liner Assembly
TC	Thrust Collar
TPK	Thrust Plate Kit
ASK	Auxiliary Seal Kit
ECK	Housing End Cap Kit
COGK	Circulating Oil Grommet Kit
VDAK	Vibration Detector Adapter Kit
HK	Heater Kit
TK	Thermostat Kit
WHK	Water Hose Kit
PLXC	Plain Externally Cooled
PL	Plain
XC	Externally Cooled
WCR	Water Cooled Replacement
NEC	Neoprene End Closure
GK	Grommet Kit
BTP	Bronze Thrust Plates (BTP1-Type 1 Lower Liner Only; BTP2-Type 2 Upper & Lower Liner)
SBTP	Shims For Bronze Thrust Plates
SSR	Split Seal Ring
TCK	Thrust Collar Kit

SHAFT SIZE:

307	First Digit: Number Of Inches
	Second & Third Digit:
	307 Indicates 3-7/16”

NOMENCLATURE

SLEEVOIL

SLEEVOIL DIN (metric) BEARING NOMENCLATURE - P SERIES

PRODUCT DESCRIPTION				HOUSING LINE		TYPE	
P	9U	80F	100F	SLV	-	PB	
STYLE	**HOUSING - SIZE & STYLE**	**SEALS - DIAMETER & TYPE**		**PRODUCT LINE:**		**TYPE:**	
P Pedestal	U Unribbed	Outboard Oil F = Floating X = Fixed Inboard Oil F = Floating X= Fixed		Slv SLEEVOIL		PB	Pillow Block - Pedestal

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DODGE®

SLEEVOIL

DODGE/Reliance Electric
P.O. BOX 499
6040 PONDERS COURT
GREENVILLE, SC 29602-0499
ATTENTION: SLEEVOIL BEARING APPLICATION ENGINEERING
FAX - (864) 281-2317 PHONE - (864) 281-2167 OR (864) 281-2253

SLEEVOIL - Bearing Application Inquire Form

Please provide the information by mail, phone or fax

Company Name:_____ Date:_____
Address:_____ Response Date:_____
Contact Name:_____ Phone: ( ) _____
Customer Reference:_____ Fax: ( ) _____
Installation and Arrangement:_____
Bearing Size in Inches:_____ Shaft Speed ☐ Constant_____ RPM
☐ Variable MAX_____ MIN_____
☐ Turning Gear_____

Type of Coolant:

Plain (None) ☐ Water Cooled ☐ Air Cooled ☐ Plain - Circ. Oil ☐ Water Cooled - Circ. Oil
☐ SAE 10 ☐ SAE 20 ☐ SAE 30 Other_____
☐ ISO 32 ☐ SO 68 ☐ ISO 100

Expected Temperature:

Ambient	MAX_____°F	MIN_____°F	Water Inlet	MAX_____°F	MIN_____°F
Air Inlet	MAX_____°F	MIN_____°F	Oil Inlet	MAX_____°F	MIN_____°F

Air Velocity over Bearing Housing (FPM): _____

	FIXED (Non-Expansion)		FREE (Expansion)	
	☐ RTL	☐ RXT	☐ RTL	☐ RXT
	☐ STL	☐ P	☐ STL	☐ P
			☐ SSL	

Radial Load: _____ Lbs.

Lbs. Thrust Load: _____ Lbs.

Loading:	☐ Base	☐ Cap	☐ Base	☐ Cap
Cooling Wheel:	☐ Yes	☐ No	☐ Yes	☐ No

External Heat Source (Fan Temperature) _____ ° F

Closest Part of Bearing to Heat Source: _____ Inches _____ Inches
(Includes Aux. Seals or Reverse Mount Seals)

Indicate direction of resultant load. Show approximate angle for each bearing.

Remarks: State any unusual conditions such as shock loads, changes in thrust loads, low speed requirements, hot shaft start-ups, environmental conditions (dust, chemicals, gases), etc.

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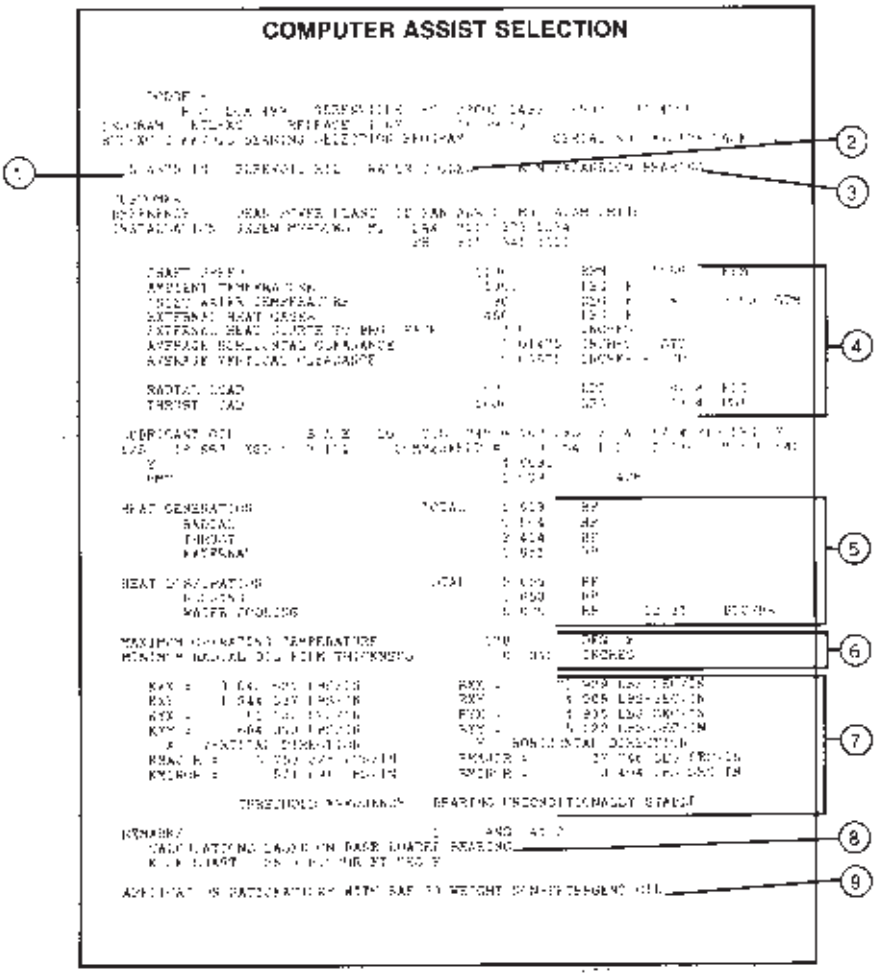
SELECTION

DODGE®

SLEEVOIL



1. Bore size and name of SLEEVOIL bearing.
2. Defines plain, circulating oil, or water cooled configurations.
3. States expansion or non-expansion type of bearing.
4. Repeat input data with default values if needed.
5. Presents heat generation and dissipation results.
6. Shows oil temperature rise needed for circulating oil system selection, maximum operating temperature responding to babbitt temperature and radial or thrust bearing minimum oil film thickness.
7. Dynamic coefficients of the film and instability threshold.
8. If calculations made for base or cap loaded bearing or bearing undercut was performed, a statement is issued.
9. Acceptance of performed selection, date and hour.

FEATURES/BENEFITS PAGE B14-3	SPECIFICATION/HTO PAGE B14-6	NOMENCLATURE PAGE B14-7	SELECTION/DIMENSIONS PAGE B14-16

SLEEVOIL

Selection and Load Ratings for Standard and Short Series SLEEVOIL Pillow Blocks

Note-Fast accurate computer selection is now available for all stock as well as special SLEEV0IL applications. If you prefer, this page and the tables that follow will allow you to do so.

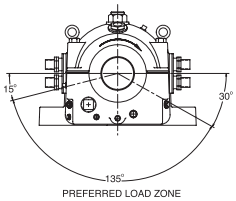
Important-Ratings apply to both Standard and Short Series (SSL) SLEEVOIL pillow blocks. For SLEEVOIL RTL pillow blocks use data sheet on page B14-9 and consult DODGE.

Follow the steps below to check whether the particular bearing in question has an adequate load rating. For operating conditions other than listed under "Basis of Load Ratings" - consult factory.
Step 1. Depending on the type of bearing used, refer to either the second or third column in Table on the following page. Using the actual thrust load to be carried by the bearing and interpolating between the thrust loads given in the column, trace to the right to the column headed by the actual RPM and note the "Equivalent RPM". Interpolate when required in this and the following steps.
Step 2. Depending on the type of bearing used, refer to the applicable one of Table thru 23. Using the Equivalent RPM, note the radial load rating. Disregard the SAE number of the oil. If the rating is less than the actual radial load, either a larger or a different type bearing, for example externally cooled instead of plain, is required.
Step 3. Multiply the actual radial load by the Equivalent RPM and divide this product by the actual RPM. This result must not be greater than the bearing rating at the actual RPM. If greater, either a larger or a different type bearing is required. If the bearing rating is adequate, note the SAE number of the required oil.
Step 4. Refer to Table . From whichever one of the second or third columns that was used in Step 1, trace right to the applicable one of the fourth, fifth or sixth columns. Note the minimum radial load required by the actual thrust load. If the actual radial load exceeds this requirement, the bearing selected has adequate capacity.

Basis of Load Ratings

Load ratings are based on the four operating conditions stated below. For other conditions consult DODGE.

1. The oil specified under each rating should be used. The use of a different oil may reduce the allowable load and speed. The oils listed are:
SAE10 Oil: 183 SUS at 100 F or 46 SUS at 210 F.
SAE20 Oil: 348 SUS at 100 F or 57 SUS at 210 F. SAE30 Oil: 489 SUS at 100 F or 65 SUS at 210 F.



PREFERRED LOAD ZONE

2. The resultant radial load should be located within the 135 preferred zone-see drawing. If located outside this the allowable load and speed are reduced
3. The diameter of the shaft journal surface must be held to a tolerance of +0.000" / -0.002" with a surface finish of 32 micro-inches or better.
4. Ratings are based on an ambient (surrounding) temperature of 90 F and the assumption that, if the shaft transmits heat from an external source such as an oven, the shaft temperature at the bearing will not exceed 90. Higher temperatures will reduce (and lower temperatures increase) the allowable load and speed.

Special Construction and Conditions Load and speed may be increased by certain means such as decreased temperatures and changes in clearances between bearing and shaft-consult DODGE. For operating conditions not covered, for special high capacity units with hydrostatic or segmented thrust members, or for optimum computer selection for special applications-consult DODGE.

EXAMPLES OF SELECTION

Example No. 1
Check the adequacy of a 34 15/6, SLEEVOIL plain pillow block to carry 1800 pounds actual radial load and 130 pounds actual thrust load at 700 RPM.
Step 1. Refer to the second column in Table 1. The actual thrust load of 130 pounds is between the 0 and 336 values listed. Trace to the right to the column headed by the actual RPM of 700 and obtain 951 Equivalent RPM by interpolation between the 700 and 1350 values listed.
Step 2. Refer to Table 2. For 1000 Equivalent RPM note the radial load rating of 2990 which is adequate.
Step 3. 1800 Actual radial load x 1000 B 700 = 2570. This is not greater than the 2920 rating in the 700 RPM column; hence, the bearing is adequate. Note that SAE30 oil is required.
Step 4. Interpolating in the fourth column of Table between the 0 and 790 values, the minimum radial load required is 305 pounds. The actual radial load of 1800 pounds meets this requirement.
Because Steps 2, 3 and 4 checked satisfactorily, the bearing is adequate for the actual loads to be carried.

Example No. 2
Check the adequacy of a 4-7/16, SLEEVOIL plain pillow block to carry 1800 pounds actual radial load and 350 pounds actual thrust load at 700 RPM.
Step 1. Refer to the second column in Table 1. The actual thrust load of 350 pounds is between the 342 and 909 values listed. Trace to the right to the column headed by the actual RPM of 700 and obtain 1405 Equivalent RPM by interpolation between the 1360 and 1480 values listed.
Step 2. Refer to Table 2. For 1387 Equivalent RPM note the radial load rating of 2555 which is adequate.
Step 3. 1800 Actual radial load x 1387 B 700 = 3570. This is not greater than the 3770 rating in the 700 RPM column; hence, the bearing is adequate. Note that SAE30 oil is required.
Step 4. Refer to the fourth column in Table 1. Note that for 350 pounds thrust load, the minimum radial load requirement is 1000 pounds. The actual radial load of 1800 pounds meets this requirement.
Because Steps 2, 3 and 4 checked satisfactorily, the bearing is adequate for the actual loads.

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SELECTION

DODGE®

SLEEVOIL

Table 1: Thrust Load Data

Standard and Short Series SLEEVOIL Pillow Blocks
(See instructions on page B14-11 or fill out data sheet on page B14-9)
Not to be used for SLEEVOIL RTL Pillow Blocks

Thrust Load Rating in Pounds

Shaft Size	Thrust Loads ▲		Minimum Radial Load for Thrust Load ★		"Equivalent RPM" is given in the body of the table. = Columns are headed by actual RPM."															
	Plain & Circu-lating Oil	Exter-nally Cooled	Plain & Circu-lating Oil	Exter-nally Cooled	250	300	400	500	600	700	800	1000	1200	1400	1600	2000	2500	3000	4000	5000	6000
1-7/16 1-1/2	0 26* 65	....	 110 110	....	250 550 650	300 600 800	400 800 1000	500 1000 1200	600 1200 1450	700 1350 1600	800 1500 1800	1000 1800 2150	1200 2100 2500	1400 2400 2800	1600 2650 3100	2000 3100 3650	2500 3750 4250	3000 43004 850	4000 5350 6000	5000 6400 7000	6000 7400 8000
1-11/16 1-3/4	0 39* 98	0 39* 98	0 150 150	0 270 270	250 520 600	300 600 710	400 800 930	500 980 1150	600 1140 1330	700 1300 1510	800 1470 1700	1000 1780 2040	1200 2080 2370	1400 2350 2690	1600 2620 2980	2000 3100 3540	2500 3760 4190	3000 4220 4770	4000 5290 5890	5000 6320 6980	6000 7380 8050
1-15/16 2	0 46* 116	0 46* 116	0 190 190	0 350 350	250 510 550	300 600 680	400 750 850	500 920 1050	600 1090 1220	700 1240 1400	800 1400 1560	1000 1690 1880	1200 1960 2200	1400 2220 2490	1600 2450 2800	2000 2880 3280	2500 3430 3850	3000 3950 4410	4000 5000 5500	5000 6040 6560	6000 7060 7610
2-3/16 2-1/4	0 50* 127	50* 127 0	0 250 250	0 440 440	250 450 540	300 520 650	400 700 840	500 840 1020	600 1000 1200	700 1140 1360	800 1280 1520	1000 1560 1820	1200 1810 2100	1400 2100 2400	1600 2320 2640	2000 2760 3090	2500 3280 3650	3000 3810 4200	4000 4840 5280	5000 5880 6330	
2-7/16 2-1/2	0 57* 140	0 57* 140	0 300 300	0 550 550	250 420 480	300 500 590	400 650 750	500 800 940	600 940 1090	700 1090 1250	800 1220 1400	1000 1490 1680	1200 1760 2000	1400 1970 2240	1600 2190 2460	2000 2620 2900	2500 3140 3460	3000 3660 3990	4000 4680 5040	5000 5710 6090	
2-11/16 2-3/4	0 78* 195	0 78* 195	0 370 370	0 670 670	250 440 540	300 520 630	400 680 820	500 830 1000	600 1000 1160	700 1130 1320	800 1280 1480	1000 1540 1760	1200 1780 2040	1400 2000 2280	1600 2220 2500	2000 2640 2950	2500 3180 3500	3000 3690 4040	4000 4720 5090		
2-15/16 3	0 85* 212	0 85* 212	0 440 440	0 790 790	250 420 480	300 500 570	400 650 730	500 800 900	600 950 1040	700 1080 1200	800 1220 1350	1000 1480 1690	1200 1700 1930	1400 1920 2160	1600 2130 2380	2000 2640 2950	2500 3060 3350	3000 3590 3910	4000 4610 4940		
3-7/16 3-1/2	0 124* 309	0 124* 309	0 600 600	0 1090 1090	250 450 540	300 530 630	400 700 810	500 850 980	600 990 1130	700 1120 1280	800 1250 1420	1000 1480 1690	1200 1690 1920	1400 1910 2150	1600 2120 2370	2000 2540 2810	2500 3060 3340	3000 3580 3870			
3-15/16 4	0 336* 566	0 336 566	0 790 790	0 1420 1420	250 570 640	300 670 750	400 860 950	500 1050 1130	600 1200 1300	700 1350 1460	800 1500 1650	1000 1740 1910	1200 1970 2160	1400 2200 2400	1600 2430 2630	2000 2880 3090	2500 3410 3640	3000 3950 4190			
4-7/16 4-1/2	0 342* 909	0 459 909	0 1000 1000	0 1800 1800	250 570 640	300 680 760	400 870 960	500 1040 1150	600 1210 1320	700 1360 1480	800 1510 670	1000 1760 1930	1200 2000 2180	1400 2230 2430	1600 2460 2660	2000 2900 3120	2500 3440 3680				
4-15/16 5	0 519* 916	0 519 916	0 1230 1230	0 2220 2220	250 520 590	300 600 700	400 780 880	500 950 1060	600 1160 1280	700 1290 1410	800 1410 1550	1000 1640 1800	1200 1870 2040	1400 2100 2270	1600 2320 2500	2000 2760 2940	2500 3280 3490				
5-7/16	0 636* 1168	0 636 1168	0 1500 1500	0 2690 2690	250 570 660	300 670 760	400 830 950	500 990 1120	600 1140 1260	700 1270 1390	800 1390 1520	1000 1620 1770	1200 1850 2000	1400 2080 2240	1600 2300 2460	2000 2720 2910					
6	0 756* 1362	0 756 1362	0 18001 800	0 3240 3240	250 560 650	300 670 750	400 840 930	500 970 1070	600 1090 1200	700 1210 1320	800 1330 1450	1000 1560 1690	1200 1780 1920	1400 2000 2150	1600 2220 2370	2000 2640 2810					
7	0 1089* 2133	0 1089 2133	0 2450 2450	0 4410 4410	250 630 700	300 700 770	400 840 930	500 970 1070	600 1090 1200	700 1210 1330	800 1330 1450	1000 1560 1690	1200 1780 1920	1400 2000 2150	1600 2220 2380						
8	0 1368* 2654	0 1368 2654	0 3200 3200	0 5750 5750	250 580 660	300 660 740	400 800 880	500 920 1020	600 1040 1150	700 1160 1270	800 1280 1390	1000 1500 1630	1200 1730 1850	1400 1940 2080	1600 2160 2300						
9	0 1671* 3375	0 1890 3742	0 3600 3600	0 6890 6890	250 420 450	300 480 530	400 630 680	500 780 850	600 910 990	700 1050 1130	800 1190 1280	1000 1450 1560	1200 1720 1860	1400 1980 2040							
10	0 1218* 2302	0 2301 4978	0 4000 4000	0 8100 8100	250 640 730	300 720 800	400 860 950	500 990 1090	600 1110 1230	700 1230 1360	800 1360 1480	1000 1590 1730	1200 1810 1960								
12	0 1770* 2784	0 2970 6975	0 5400 5400	0 10800 10800	250 500 550	300 560 620	400 680 750	500 800 870	600 970 990	700 1020 1100	800 1130 1210	1000 1350 1430									

Interpolate for intermediate loads and speeds.
▲ See "Special Constructions and Conditions" on preceding page.
* Special modifications required if thrust loads exceed this value-consult Dodge.
= "Equivalent RPM" instead of actual RPM is required for Radial Load Table 1 thru Table 4 when thrust load is also carried-see preceding page.
★ If radial load is less than minimum, consult DODGE for bore modification to insure satisfactory operation."

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DODGE®

SLEEVOIL

Table 2: Thrust Load Data

Standard and Short Series SLEEVOIL Pillow Blocks
(See instructions on page B14-11 or fill out data sheet on page B14-9)
Not to be used for SLEEVOIL RTL Pillow Blocks

Radial Load Ratings in Pounds

Shaft Size	Item	Radial Load Rating at Various Revolutions per Minute ★																	
		250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400
1-7/16	Load	60	70	80	95	105	115	130	140	155	165	175	180	190	200	205	210	210	210
1-1/2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
1-11/16	Load	140	170	200	220	240	260	265	275	290	295	300	310	325	330	335	340	340	340
1-3/4	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1-15/16	Load	270	300	325	350	370	395	410	420	425	440	450	450	460	460	465	465	470	470
2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2-3/16	Load	365	410	430	470	490	520	540	560	570	580	590	600	600	610	610	620	620	630
2-1/4	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2- 7/16	Load	575	610	660	690	730	755	780	790	805	815	830	830	840	850	860	875	875	890
2-1/2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2-11/16	Load	815	875	930	1000	1020	1060	1100	1120	1140	1150	1150	1170	1170	1180	1180	1200	1200	1200
2-3/4	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2-15/16	Load	1060	1140	1200	1250	1280	1320	1340	1350	1350	1360	1360	1370	1370	1370	1380	1390	1390	1390
3	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
3-7/16	Load	1580	1700	1800	1870	1900	1940	1960	1960	1970	1970	1980	1980	1980	2000	2000	2020	2020	1830
3-1/2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
3-15/16	Load	2460	2650	2740	2840	2860	2870	2890	2900	2910	2920	2930	2950	2960	2990	2990	2710	2610	2140
4	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	20	20
4-7/16	Load	3280	3480	3600	3680	3700	3720	3730	3740	3760	3770	3780	3790	3790	3840	3240	3200	2520	2560
4-1/2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	30	20	20	20	20
4-15/16	Load	4700	4850	5000	5050	5100	5100	5150	5170	5220	5220	5320	5370	5470	4200	4050	3500	3500	3110
5	Oil	30	30	30	30	30	30	30	30	30	30	30	30	30	20	20	20	20	20
5-7/16	Load	6000	6200	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	5390	4790	4310	4310	3590	2630
5-1/2	Oil	30	30	30	30	30	30	30	30	30	30	30	30	20	20	10	10	10	10
6	Load	8600	8600	8640	8640	8640	8640	8640	8640	8640	7700	7700	7200	7200	5900	1300			
	Oil	30	30	30	30	30	30	30	30	30	20	20	10	10	10	10			
7	Load	14000	14500	14500	14500	14500	14500	14500	12700	12100	9800	9800	9800	7650	3140				
	Oil	30	30	30	30	30	30	30	30	30	20	10	10	10	10				
8	Load	20000	20000	20400	20400	20400	20400	17700	16600	14200	14200	14200	11300	5640					
	Oil	30	30	30	30	30	30	20	20	10	10	10	10	10					
9	Load	25000	25000	25000	25000	25000	22500	22500	17000	17000	18000	11900	10000	4600					
	Oil	30	30	30	30	30	20	20	10	10	10	10	10	10					
10	Load	31000	31000	31000	28200	21400	21400	19200	13400	8320	2880								
	Oil	30	30	30	20	10	10	10	10	10	10								
12	Load	41700	41700	36800	27900	27900	19000	9080											
	Oil	30	30	20	10	10	10	10											

Shaft Size	Item	Radial Load Rating at Various Revolutions per Minute ★																	
		1500	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	4000	4500	5000	5500	6000	7000
1-7/16	Load	215	215	220	220	225	230	230	235	240	240	240	245	205	180	160	165	120	47
1-1/2	Oil	30	30	30	30	30	30	20	30	30	10	30	30	20	20	10	10	10	10
1-11/16	Load	345	345	350	355	355	360	360	365	365	370	325	325	250	255	195	125	47	
1-3/4	Oil	30	30	30	30	30	30	20	30	30	30	20	20	10	10	10	10	10	
1-15/16	Load	475	480	490	490	495	505	425	410	325	335	335	320	210	93				
2	Oil	30	30	30	30	30	30	20	20	10	10	10	10	10	10				
2-3/16	Load	640	640	650	650	660	580	590	470	440	450	435	365	215	59				
2-1/4	Oil	30	30	30	30	30	20	20	20	10	10	10	10	10	10				
2- 7/16	Load	900	900	915	925	805	770	610	610	635	525	400	305	110					
2-1/2	Oil	30	30	30	30	20	20	10	10	10	10	10	10	10					
2-11/16	Load	1210	1210	1230	1050	960	815	815	755	575	415	270	150						
2-3/4	Oil	30	30	30	20	20	10	10	10	10	10	10	10						
2-15/16	Load	1390	1310	1220	955	970	810	600	390	195									
3	Oil	30	30	20	10	10	10	10	10	10									
3-7/16	Load	1710	1560	1350	1420	940	600	315											
3-1/2	Oil	20	20	10	10	10	10	10											
3-15/16	Load	2010	2010	1670	1010	505													
4	Oil	10	10	10	10	10													
4-7/16	Load	2600	2160	1240	480														.
4-1/2	Oil	20	10	10	10														
4-15/16	Load	2420	1780	640															
5	Oil	10	10	10															
5-7/16	Load	1730	960																
5-1/2	Oil	10	10																

★ IMPORTANT- follow instructions on page B14-11.

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SELECTION

DODGE®

SLEEVOIL

Table 3: Radial Load Ratings

Standard and Short Series SLEEVOIL Externally Cooled Pillow Blocks
(See instructions on page B14-11 or fill out data sheet on page B14-9)
Not to be used for SLEEVOIL RTL Pillow Blocks

Radial Load Ratings in Pounds

Shaft Size	Water Flow Rate ▲	Item	Radial Load Ratings at Various Revolutions per Minute*																	
			300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
1-11/16 1-3/4	0.5	Load Oil	180 30	195 30	250 30	285 30	305 30	340 30	380 30	425 30	450 30	485 30	505 30	530 30	550 30	585 30	615 30	635 30	665 30	690 30
1-15/16 2	0.55	Load Oil	325 30	365 30	410 30	480 30	510 30	560 30	620 30	680 30	730 30	760 30	790 30	830 30	855 30	890 30	930 30	960 30	985 30	1000 30
2-3/16 2-1/4	0.6	Load Oil	785 30	845 30	940 30	1000 30	1050 30	1080 30	1120 30	1150 30	1170 30	1190 30	1210 30	1220 30	1240 30	1260 30	1270 30	1280 30	1290 30	1300 30
2-7/16 2-1/2	0.75	Load Oil	910 30	985 30	1030 30	1100 30	1150 30	1200 30	1250 30	1290 30	1330 30	1370 30	1400 30	1440 30	1480 30	1530 30	1560 30	1630 30	1680 30	1710 30
2-11/16 2-3/4	1	Load Oil	1020 30	1180 30	1360 30	1480 30	1500 30	1690 30	1780 30	1850 30	1920 30	1980 30	2040 30	2080 30	2140 30	2220 30	2280 30	2320 30	2330 30	2380 30
2-15/16 3	1.25	Load Oil	1460 30	1720 30	1930 30	2130 30	2310 30	2410 30	2500 30	2600 30	2680 30	2730 30	2780 30	2830 30	2880 30	2960 30	3050 30	3090 30	3110 30	3120 30
3-7/16 3-1/2	1.5	Load Oil	2300 30	2640 30	2980 30	3190 30	3360 30	3500 30	3620 30	3720 30	3790 30	3860 30	3930 30	3980 30	4030 30	4080 30	4080 30	4180 30	4180 30	4206 30
3-15/16 4	1.75	Load Oil	3940 30	4350 30	4660 30	4910 30	5160 30	5320 30	5490 30	5580 30	5610 30	5610 30	5610 30	5610 30	5610 30	5610 30	5610 30	5610 30	5610 30	5610 30
4-7/16 4-1/2	2.25	Load Oil	5280 30	5840 30	6240 30	6560 30	6800 30	7000 30	7120 30	7240 30	7320 30	7350 30	7350 30	7350 30	7350 30	7350 30	7350 30	7350 30	7350 30	7350 30
4-15/16 5	2.5	Load Oil	7350 30	8000 30	8470 30	8660 30	8960 30	9100 30	9250 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30	9350 30
5-7/16 5-1/2	3	Load Oil	9600 30	10300 30	10800 30	11200 30	11500 30	11700 30	11800 30	11900 30	12000 30	12000 30	12000 30	12000 30	12000 30	12000 30	12000 30	12000 30	12000 30	12000 30
6	4	Load Oil	17000 30	17400 30	17600 30	17700 30	17700 30	17700 30	17700 30	17700 30	17700 30	17700 30	17700 30	17700 30	17700 30	17709 30	17700 30	17700 30	15100 30	15100 30
7	5	Load Oil	24000 30	24300 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	24500 30	22100 20	19600 20	16600 20	16600 20
8	6.5	Load Oil	38400 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	38800 30	36000 20	29500 20	26500 10	26500 10	26500 10
9	8	Load Oil	44600 30	45100 30	45300 30	45300 30	45300 30	45300 30	45300 30	45300 30	45300 30	45300 30	45300 30	45300 30	40000 20	36100 20	31500 10	31200 10	25700 10	18800 10
10	9	Load Oil	59200 30	59200 30	59200 30	59200 30	59200 30	59200 30	59200 30	59200 30	51900 20	51900 20	43400 20	38400 10	38400 10	36800 10	24900 10	14100 10	1920 10	
12	10	Load Oil	72000 30	72000 30	72000 30	72000 30	72000 30	72000 30	69200 20	69200 20	58000 20	52000 10	52000 10	52000 10	33200 10	18800 10	2600 10			

Shaft Size	Water Flow Rate ▲	Item	Radial Load Ratings at Various Revolutions per Minute*																	
			1500	1600	1800	2000	2200	2400	2600	3000	3500	4000	4500	5000	6000	7000	8000	9000	10000	11000
1-11/16 1-3/4	0.5	Load Oil	710 30	720 30	750 30	770 30	780 30	785 30	795 30	795 30	795 30	800 30	800 30	800 30	805 30	735 30	625 20	605 10	615 10	355 10
1-15/16 2	0.55	Load Oil	1010 30	1020 30	1050 30	1070 30	1070 30	1070 30	1070 30	1070 30	1070 30	1070 30	1070 30	1070 30	945 20	760 10	745 10	465 10	240 10	39 10
2-3/16 2-1/4	0.6	Load Oil	1320 30	1330 30	1340 30	1360 30	1360 30	1360 30	1360 30	1360 30	1360 30	1350 30	1350 30	1350 30	925 10	905 10	550 10	215 10		
2-7/16 2-1/2	0.75	Load Oil	1740 30	1770 30	1800 30	1840 30	1870 30	1880 30	1880 30	1880 30	1880 30	1880 30	1630 20	1390 20	1280 10	550 10				
2-11/16 2-3/4	10	Load Oil	2390 30	2390 30	2410 30	2420 30	2420 30	2440 30	2450 30	2470 30	2510 30	2070 20	1800 20	1630 10	1180 10	475 10				
2-15/16 3	1.25	Load Oil	3140 30	3160 30	3160 30	3180 30	3180 30	3190 30	3190 30	3210 30	2650 20	2310 10	2380 10	1700 10						
3-7/16 3-1/2	1.5	Load Oil	4200 30	4230 30	4230 30	4250 30	4280 30	4300 30	4330 30	3600 20	2920 10	2880 10	1970 10	865 10						
3-15/16 4	1.75	Load Oil	5610 30	5610 30	5610 30	5610 30	5610 30	5050 20	4790 20	3880 10	2860 10	31510 10								
4-7/16 4-1/2	2.25	Load Oil	7350 30	7350 30	7350 30	7350 30	6440 20	5440 10	4960 10	4320 10	1600 10									
4-15/16 5	2.5	Load Oil	9350 30	9350 30	9060 30	8320 30	6600 10	6600 10	6300 10	2950 10										
5-7/16 5-1/2	3	Load Oil	12000 30	11700 30	10500 20	8310 10	8370 10	7410 10	5380 10	1850 10										
6	4	Load Oil	12600 20	12200 10	12200 10	5400 10														
7	5	Load Oil	16600 10	11100 10	490 10															
8	6.5	Load Oil	15900 10	8700 10																
9	8	Load Oil	12700 10	7650 10																

Note - Ratings to the right of the zigzag rule are for use only when "Equivalent RPM" is used: the use of actual RPM would result in exceeding the oil ring speed limit.
* IMPORTANT -follow instructions on B14-11.
▲ Gallons per minute Maximum water inlet temperature 90˚F

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SLEEVOIL

Table 4: Radial Load Ratings

Standard and Short Series SLEEVOIL Externally Cooled Pillow Blocks
(See instructions on page or fill out data sheet on page)
Not to be used for SLEEVOIL RTL Pillow Blocks

Radial Load Ratings in Pounds

Shaft Size	Oil Flow Rate ▲	Item	Radial Load Ratings at Various Revolutions per Minute*										
			200	400	600	800	1000	1200	1400	1600	1800	2000	2500
1-11/16 1-3/4	1.2	Load Oil	120 30	170 30	220 30	260 30	305 30	385 30	415 30	450 30	495 30	565 30	655 30
1-15/16 2	1.2	Load Oil	225 30	355 30	435 30	495 30	560 30	635 30	680 30	745 30	805 30	870 30	970 30
2-3/16 2-1/4	1.3	Load Oil	205 30	385 30	470 30	590 30	760 30	840 30	865 30	995 30	1090 30	1180 30	1330 30
2-7/16 2-1/2	1.3	Load Oil	290 30	510 30	840 30	1020 30	1170 30	1300 30	1420 30	1550 30	1670 30	1780 30	1990 30
2-11/16 2-3/4	1.5	Load Oil	445 30	845 30	1150 30	1420 30	1600 30	1770 30	1950 30	2130 30	2310 30	2470 30	2760 30
2-15/16 3	1.5	Load Oil	915 30	1300 30	1620 30	1880 30	1940 30	2360 30	2560 30	2750 30	2920 30	3100 30	3520 30
3-7/16 3-1/2	1.75	Load Oil	1580 30	2450 30	3020 30	3600 30	3850 30	4140 30	4500 30	4810 30	5100 30	5400 30	5870 30
3-15/16 4	2	Load Oil	2080 30	2610 30	3680 30	4350 30	4900 30	5470 30	5890 30	6300 30	6800 30	7180 30	8040 30
4-7/16 4-1/2	2.25	Load Oil	2700 30	4100 30	5200 30	5990 30	6700 30	7420 30	7990 30	8160 30	9190 30	9700 30	10900 30
4-15/16 5	2.5	Load Oil	4600 30	6000 30	7190 30	8270 30	9450 30	10400 30	11100 30	11800 30	12700 30	13300 30	14800 30
5-7/16 5-1/2	3.25	Load Oil	5800 30	7800 30	9700 30	11100 30	12600 30	13600 30	14700 30	15800 30	16800 30	17600 30	19500 30
6	4	Load Oil	6000 30	10500 30	20200 30	20200 30	20200 30	20200 30	19100 20	17100 10	17100 10	17100 10	13800 10
7	5	Load Oil	10000 30	26900 30	26900 30	26900 30	26900 30	25100 30	24500 20	22600 10	22600 10	22600 10	16500 10
8	6.5	Load Oil	14000 30	37900 30	37900 30	37900 30	37900 30	35100 20	35100 20	32200 10	32200 10	32200 10	19200 10
9	7	Load Oil	25300 30	37600 30	46600 30	53000 30	53000 30	53000 30	53000 20	46000 20	46000 10	46000 10	
10	7.5	Load Oil	25000 30	59200 30	59200 30	59200 30	59200 30	56800 20	56800 20	53900 10	53900 10		
12	9.5	Load Oil	95000 30	95000 30	95000 30	90000 20	85100 10	85100 10	85100 10	69100 10			

Shaft Size	Oil Flow Rate ▲	Item	Radial Load Ratings at Various Revolutions per Minute*										
			3000	3500	4000	4500	5000	5500	6000	7000	8000	9000	10000
1-11/16 1-3/4	1.5	Load Oil	745 30	820 30	900 30	970 30	1040 30	1100 30	1160 30	1250 30	1350 30	1440 30	1510 30
1-15/16 2	1.75	Load Oil	1070 30	1170 30	1270 30	1360 30	1460 30	1550 30	1640 30	1780 30	1920 30	2030 30	
2-3/16 2-1/4	1.75	Load Oil	1480 30	1620 30	1770 30	1890 30	201 30	2120 30	2230 30	2450 30	2660 30		
2-7/16 2-1/2	1.75	Load Oil	2200 30	2410 30	2610 30	2760 30	2920 30	3080 30	3240 30	3510 30			
2-11/16 2-3/4	2	Load Oil	3040 30	3280 30	3500 30	3680 30	3840 30	3990 30	4140 30	4340 30			
2-15/16 3	2	Load Oil	3950 30	4260 30	4590 30	4940 30	5290 30	5490 30	5680 30				
3-7/16 3-1/2	2.25	Load Oil	6350 30	6700 30	7020 30	7250 30	7460 30						
3-15/16 4	2.5	Load Oil	8870 30	9560 30	10300 30	9120 20							
4-7/16 4-1/2	2.75	Load Oil	12000 30	12800 30	11800 20								
4-15/16 5	3	Load Oil	16300 30	15300 20									
5-7/16 5-1/2	3.25	Load Oil	18600 20										
6	4.5	Load Oil	5460 10										
7	5	Load Oil											
8	6.5	Load Oil											
9	7	Load Oil											
10	7.5	Load Oil											
12	9.5	Load Oil											

Note - Ratings apply to standard and short series pillow blocks, modified to permit the use of circulating oil - consult DODGE for prices and details. Externally cooled pillow blocks can also be modified for circulating oil usage - consult DODGE

* IMPORTANT - follow instructions on page B14-11

▲ Gallons per minute Maximum oil in let temperature 120˚F. For speeds and loads greater than those shown, consult DODGE

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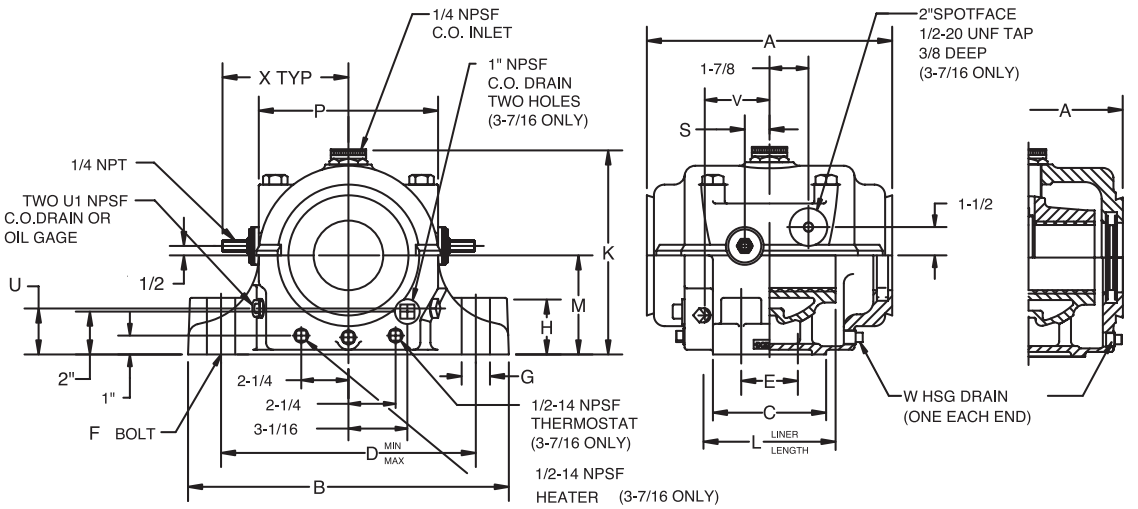
SELECTION/DIMENSIONS

SLEEVOIL - R Series

1-7/16” THRU 3-7/16” PLAIN-WATER COOLED STANDARD AND SHORT SERIES SLEEVOIL PILLOW BLOCKS



STANDARD SERIES SHORT SERIES

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DODGE®

SLEEVOIL - R Series

1-7/16" THRU 3-7/16" PLAIN-WATER COOLED STANDARD AND SHORT SERIES SLEEVOIL PILLOW BLOCKS

Shaft Size	Non-Expansion Pillow Blocks + + STD		Expansion Pillow Blocks STD		Expansion Pillow Blocks # SSH		Optional Accessories >>,* Req'd to Make-Up Non-Ext Blks. ● Split Thrust Collar		No Additional Machining Required For Neoprene End Closure **		No Additional Machining Required For Hose Kits		Replacement PL-WC Liner Assemblies	
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
1-7/16	**134214 >**	21.9	**132983 >**	20.5	. . . .	. . . .	**133245**	0.7	**133980**	.12			**133203**	3.6
1-11/16	**134215**	33.1	**132984**	30.7	. . . .	. . . .	**133250**	1.2	**133981**	.12	**133344**	0.5	**133583**	6.3
1-15/16	**134216**	33.6	**132985**	31.6	. . . .	. . . .	**133255**	1.0	**133982**	.12			**133584**	7.0
2-3/16	**134217**	51.4	**132986**	47.8	. . . .	. . . .	**133260**	1.8	**133983**	.12			**133585**	12.0
2-7/16	**134218**	70.9	**132987**	65.5	. . . .	. . . .	**133265**	2.7	**133984**	.12			**133586**	11.6
2-11/16	**134219⊗**	98.9	**132988⊗**	97.0	. . . .	. . . .	**133270**	4.1	**133985**	.12			**132959⊗**	27.0
2-15/16	**134220⊗**	100.0	**132989⊗**	92.4	**132991⊗**	90.0	**133275**	3.8	**133986**	.18			**132950⊗**	22.0
	STL		STL		SSL									
3-7/16	**134221⊗**	156.4	**132990⊗**	144.0	**132992⊗**	138.0	**133280**	6.2	**133987**	0.31			**132951⊗**	50

Shaft Size	A		B		C		D (Min.-Max.)						E		F Bolt Dia.		G	
	STD	SSH	STD	SSH	STD	SSH	STD			SSH			STD	SSH	STD	SSH	STD	SSH
1-7/16	6-1/2	. . . .	9-1/2	. . . .	2-3/4	. . . .	7	-	7-1/2	. . . .	-	. . . .	##	. . . .	5/8	. . . .	1	. . . .
1-11/16	7-3/4	. . . .	10-1/2	. . . .	3	. . . .	7-3/4	-	8-1/4	. . . .	-	. . . .	##	. . . .	5/8	. . . .	1	. . . .
1-15/16	7-3/4	. . . .	10-1/2	. . . .	3	. . . .	7-3/4	-	8-1/4	. . . .	-	. . . .	##	. . . .	5/8	. . . .	1	. . . .
2-3/16	9-1/4	. . . .	12-1/2	. . . .	3-1/2	. . . .	9-1/8	-	9-7/8	. . . .	-	. . . .	##	. . . .	3/4	. . . .	1-1/4	. . . .
2-7/16	10-1/2	. . . .	13-1/2	. . . .	4	. . . .	10-1/8	-	10-7/8	. . . .	-	. . . .	##	. . . .	3/4	. . . .	1-1/4	. . . .
2-11/16	11-1/2	. . . .	15	. . . .	4-1/2	. . . .	11	-	12	. . . .	-	. . . .	##	. . . .	7/8	. . . .	1-1/2	. . . .
2-15/16	11-1/2	8-3/4	15	15	4-1/2	5-3/4	11	-	12	10-7/8	-	12-1/8	##	2-3/4	7/8	3/4	1-1/2	1-1/2
	STL	SSL	STL	SSL	STL	SSL	STL			SSL			STL	SSL	STL	SSL	STL	SSL
3-7/16	13	10	17	17	6	6	12-15/16-14-1/16			12-15/16-14-1/16			3	3	3/4	3/4	1-1/2	1-1/2

Shaft Size	H		K		L		M		P		S		U	
	STD	SSH	STD	SSH	STD	SSH	STD	SSH	STD	SSH	STD	SSH	STD	SSH
1-7/16	1-1/2	. . . .	6	. . . .	3	. . . .	2-3/4	. . . .	4-5/8	. . . .	. . . .	. . . .	1-1/8	. . . .
1-11/16	1-3/4	. . . .	6-3/4	. . . .	3-1/2	. . . .	3-1/8	. . . .	5-3/8	. . . .	7/8	. . . .	1-3/8	. . . .
1-15/16	1-3/4	. . . .	6-3/4	. . . .	4	. . . .	3-1/8	. . . .	5-3/8	. . . .	7/8	. . . .	1-3/8	. . . .
2-3/16	2	. . . .	8	. . . .	4-1/2	. . . .	3-3/4	. . . .	6-3/8	. . . .	7/8	. . . .	1-1/2	. . . .
2-7/16	2-3/8	. . . .	8-3/4	. . . .	5	. . . .	4-1/8	. . . .	7-1/8	. . . .	1-1/16	. . . .	1-5/8	. . . .
2-11/16	2-15/32	. . . .	9-5/8	. . . .	5-1/2	. . . .	4-9/16	. . . .	7-7/8	. . . .	1-1/8	. . . .	1-7/8	. . . .
2-15/16	2-15/32	1-1/2	9-5/8	9-5/8	6	6	4-9/16	4-9/16	7-7/8	7-7/8	1-1/8	1-1/8	1-7/8	1-3/4
	STL	SSL	STL	SSL	STL	SSL	STL	SSL	STL	SSL	STL	SSL	STL	SSL
3-7/16	3	3	11	11	7	7	5-1/4	5-1/4	9-3/8	9-3/8	1-5/16	1-5/16	2	2

Shaft Size	U1		V		W		X	Thrust Collar Dia. x Width ●	Oil (fl. oz.)
	STD	SSH	STD	SSH	STD	SSH			
1-7/16	1/2	. . . .	2-1/16	. . . .	1/4	. . . .	. . . .	2-1/2 x 7/8	6
1-11/16	1/2	. . . .	2-1/4	. . . .	1/4	. . . .	3-3/4	3 x 11/16	8
1-15/16	1/2	. . . .	2-1/4	. . . .	1/4	. . . .	3-3/4	3 x 11/16	8
2-3/16	1/2	. . . .	2-1/2	. . . .	1/4	. . . .	4-3/4	3-5/8 x 1-1/8	10
2-7/16	1/2	. . . .	2-15/16	. . . .	1/4	. . . .	4-3/4	4 x 1-1/8	15
2-11/16	1/2	. . . .	3-1/8	. . . .	1/4	. . . .	5-1/8	4-5/8 x 1-1/2	18
2-15/16	1/2	1/2	3-1/8	3-9/16	1/4	1/4	5-1/8	4-5/8 x 1-1/4	18
	STL	SSL	STL	SSL	STL	SSL			
3-7/16	3/4	1/2	3-7/8	3-7/8	1/2	1/2	5-1/2	5-1/2 x 1-1/2	33

\# Not adaptable to non-expansion conversion
2-bolt base
>> Not Furnished unless specifically ordered
> Available in STD (plain) style only
* A 3-7/16 Auxiliary Seal Kit @ 4.9 lbs. (part no. 132811)
A 3-7/16, Hsg. End Cap Kit @ 5.31 lbs. (part no. 132542)
A 3-7/16 Heater @.50 lbs. (part no. 132835) to be used with
A 3-7/16, thermostat @ 2.0 lbs. (part no. 133116), and
A 3-7/16, Vibration detector kit @ 5 lbs. (part no. 430153)

** Used to close one end of pillow block. One required for 1-7/16 thru 2-15/16' sizes two required for 3-7/16, size
❍ Two required for each expansion block when a non-expansion block Is required. Not adaptable to Short Series (SSH or SSL)
⊗ Pillow block and liner are pre-drilled for thermocouple (2 places)
STL & SSL are pre-drilled for accessories: thermocouple, circulating oil, vibration detector, heater and thermostat
+ + Non-Expansion Pillow Blocks include housing, liner and two split thrust collars

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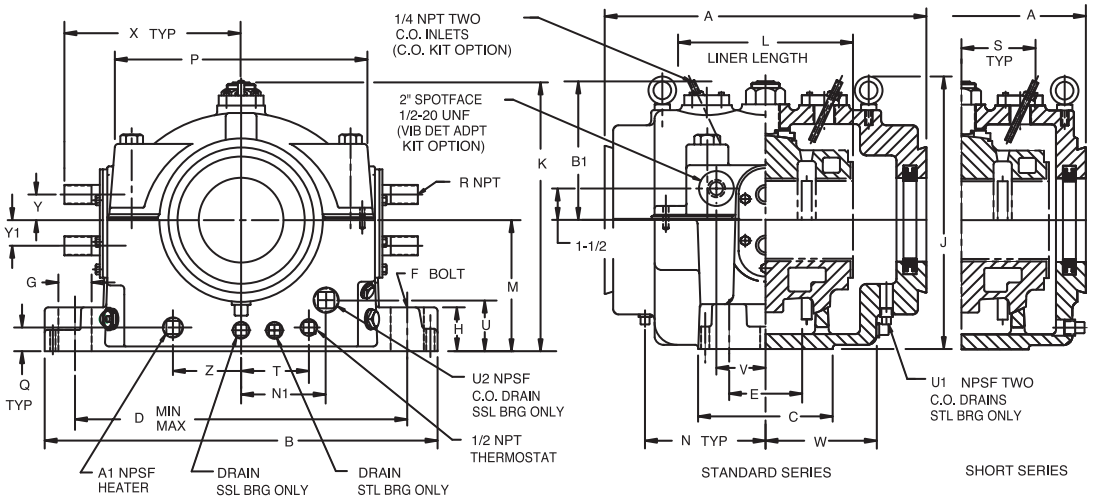
SELECTION/DIMENSIONS

SLEEVOIL - R Series

3-15/16” THRU 8” PLAIN / EXTERNALLY COOLED STANDARD AND SHORT SERIES SLEEVOIL PILLOW BLOCKS



SLEEVOIL - R Series

3-15/16" THRU 8" PLAIN / EXTERNALLY COOLED STANDARD AND SHORT SERIES SLEEVOIL PILLOW BLOCKS

Shaft Size	Pillow Block Assemblies						Req'd To Make Up Non-Expansion Blocks > > ● Split Thrust Collars		Replacement Liner Assemblies ⊗			
	Non-Expansion Pillow Blocks + + STL		Expansion Pillow Blocks STL		Expansion Pillow Blocks # SSL				PL-XC Externally Cooled		WC (Prior to 1973 hsg) Replacement	
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
3-15/16	**134222**	215	**134200**	201	**134207**	193	**133285**	7.2	**132952**	51	**133590**	54
4-7/16	**134223**	287	**134201**	271	**134208**	255	**133292**	7.9	**132953**	71	**133591**	65
4-15/16	**134224**	385	**134202**	362	**134209**	324	**133293**	11.3	**132954**	92	**133592**	91
5-7/16	**134225**	495	**134203**	470	**134210**	462	**133294**	12.3	**132955**	130	**133593**	114
6	**134226**	629	**134204**	598	**134211**	570	**133295**	15.3	**132956**	158	**133594**	158
7	**134227**	944	**134205**	882	**134212**	845	**133296**	31.3	**132957**	230	**133595**	216
8	**134228**	1395	**134206**	1298	**134213**	1256	**133297**	48.7	**132958**	372	**133596**	375

Shaft Size	Optional Accessories > > *										Pipe Grommet Kits >	
	Auxiliary Seal Kits ##		Housing End Cap Kits		Heater		Circulating Oil Inlet Kits >		Neoprene End Closures ⊗ ⊗			
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
3-15/16	**432181**	6.4	**432190**	6.1	**132836**	1.0	**432153**	2	**133988**	.3	**132192**	1.6
4-7/16	**432184**	7.0	**432193**	6.8	**132836**	1.0	**430198**	2	**133989**	.4	**132192**	1.6
4-15/16	**432187**	7.5	**432196**	7.3	**132836**	1.0	**430198**	2	**133990**	.5	**132193**	2.4
5-7/16	**133932**	12.4	**132546**	11.6	**132837**	2.0	**430155**	2	**133991**	.6	**132193**	2.4
6	**133933**	14.8	**132547**	10.6	**132838**	2.5	**430155**	2	**133992**	.8	**132198**	3.6
7	**133937**	19.0	**132548**	13.5	**132838**	2.5	**430155**	2	**133993**	1.2	**132198**	3.6
8	**133938**	24.9	**132549**	15.5	**132839**	3.0	**430155**	2	**133994**	1.3	**132198**	3.6

Shaft Size	A		B	C	D (Min.-Max.)	E	F Dia. Bolt	G	H		J	
	STL	SSL							STL	SSL	STL	SSL
3-15/16	15	11	19	7	14-1/4 - 15-3/4	3-1/2	7/8	1-3/4	3	2	12-1/16	12-5/8
4-7/16	16-1/2	12-1/2	20-1/2	7-1/2	15-1/4 - 16-3/4	4	1	2	3-1/2	3-1/2	14-5/8	14-5/8
4-15/16	18-1/4	13-3/4	22-1/2	8-1/2	16-5/8 - 18-7/8	4-1/2	1	**	3-1/8	2-1/2	15-7/8	15-7/8
5-7/16	19-3/4	15-1/4	24-1/2	9-1/2	18-1/4 - 20-1/4	5	1-1/8	2-1/4	3-3/4	2-3/4	17-1/8	17-1/8
6	21-1/4	16-1/4	26	10-1/2	19-5/8 - 21-7/8	5-1/2	1-1/4	2-1/2	4	3	17-5/8	18-1/2
7	24-1/2	18-3/4	29-3/4	12-1/2	22-5/8 - 25-3/8	6-1/2	1-1/2	3	5-1/8	3-1/2	19-7/16	21
8	27-3/4	21	34	14-1/2	25-5/8 - 28-7/8	7-1/2	1-3/4	3-1/2	5-7/8	4	21-5/16	23-1/2

Shaft Size	K	L	M	N	N1	P	Q	R Pipe		T		U	U1	U2
				STL	SSL			PLXC	WC Rep't	STL	SSL		STL	SSL
3-15/16	11-15/16	8	5-3/4	5-15/16	2-5/8	10-1/8	1-1/4	1	1/2	2-1/8	2-1/8	2-11/16	3/4	3/4
4-7/16	13-7/8	9	6-1/4	6-3/8	3-3/8	11-1/2	1-3/8	1	1/2	3	2	2-13/16	3/4	1
4-15/16	15-1/16	10	7	7-1/16	3-3/4	12-1/2	1-5/16	1-1/4	1/2	2-7/8	2	3-5/16	1	1-1/4
5-7/16	15-15/16	11	7-1/2	7-5/8	4-3/8	13-3/4	1-9/16	1-1/4	1/2	3-3/8	2-1/2	3	1	1-1/4
6	18	12	8-1/4	8-1/4	4-1/2	14-3/4	1-3/4	1-1/4	3/4	3-7/8	2-3/4	3-1/8	1	1-1/4
7	20-1/4	14	9-1/2	9-9/16	5	17	2	1-1/4	3/4	5	3	3-3/4	1-1/4	1-1/4
8	22-1/2	16	10-3/4	11	5-3/4	19	2	1-1/4	3/4	5-1/4	4	4-9/16	1-1/4	1-1/4

Shaft Size	V	W	X	Y		Y1		Z	A1	B1	Thrust Collars Dia. pa Width ●	Oil (Fl. oz.)
				PLXC	WC Rep't	PLXC	WC Rep't					
3-15/16	3	5	8-9/16	1-1/4	1	1-1/4	1	2-1/8	3/4	7-1/16	6 x 1-13/16	50
4-7/16	3-1/2	5-5/8	9-3/16	1-1/4	1	1-1/4	1	3	3/4	7-5/8	6-1/2 x 1-13/16	64
4-15/16	3-1/2	6-1/8	10	1-1/2	1	1-3/4	1	2-7/8	3/4	8	7-1/4 x 2-1/16	90
5-7/16	3-1/2	6-3/4	10-3/8	1-1/2	1	1-3/4	1	3-3/8	3/4	8-3/4	7-3/4 x 2-1/16	100
6	4	7-1/4	11-3/16	1-3/4	1-1/4	2	1-1/4	3-7/8	1	9-7/8	8-1/2 x 2-3/16	132
7	4-1/2	8-3/8	12-15/16	1-3/4	1-1/4	2	1-1/4	5	1	10-7/8	10 x 2-11/16	240
8	5	9-5/8	14-13/16	1-3/4	1-1/4	2	1-1/4	5-1/4	1-1/4	12	11-1/2 x 3 3/16	320

\# Not adaptable to non-expansion conversion
\## One required per pillow block end
\> One required per pillow block
\>> Not furnished unless specifically ordered
* Vibration detector adaptor kit @ 5.0 lbs (part no. 430153), thermostat @ 2.0 lbs (part no. 133116) to be used with heater
** 2-1/4" on STL; 2" on SSL
\+ + Non-Expansion Pillow Blocks include housing, liner and two split thrust collars
❍ Two required for each expansion block when a non-expansion block is required. Not adaptable to Short Series (SSL)
⊗ To differentiate between XC and water cooled replacement liners see "R" dimensions pipe size
⊗ ⊗ Two required per 3-15/16 thru 4-15/16 sizes; three for 5-7/16 and larger

All sizes are pre-machined for accessories: thermocouples, circulating oil, vibration detector, heater and thermostat

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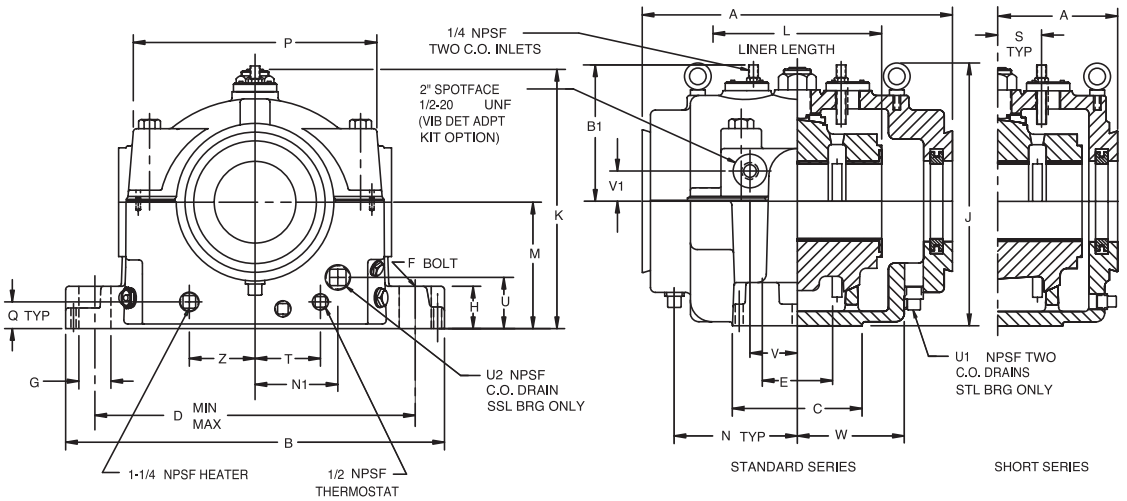
SELECTION/DIMENSIONS

SLEEVOIL - R Series

9”, 10”, 12” & 14” PLAIN SLEEVOIL PILLOW BLOCKS



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DODGE®

SLEEVOIL - R Series

9", 10", 12" & 14" PLAIN SLEEVOIL PILLOW BLOCKS

Shaft Size	Plain Non-Expansion Pillow Blocks + +		Plain Expansion Pillow Blocks				Required to Make Up Non-Expansion Blocks ● > > Split Thrust Collars	
	STL		STL		SSL			
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
9	**134229**	1339	**132766**	1235	**132924**	1168	**133959**	54
10	**134230**	1344	**132767**	1240	**132925**	1105	**133960**	52
12	**134231**	2136	**132768**	2000	**132926**	1785	**133961**	68
14	**134232**	3550	**431399**	3400	**430561**	3000	**431389**	75

Shaft Size	Optional Accessories >> *										Replacement Plain Liner Assemblies	
	Auxiliary Seal Kits ##		Housing End Cap Kits		Heater		Circulating Oil Inlet Kits >		Neoprene End Closure##			
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
9	**132814**	23.1	**132564**	15.9	**132839**	3.0	**430155**	2.0	**133996**	1.5	**133550**	327
10	**132816**	24.2	**132565**	16.4	**132839**	3.0	**430155**	2.0	**133995**	1.6	**133669**	450
12	**132819**	40.0	**132566**	25.0	**132840**	4.0	**430155**	2.0	**133997**	1.9	**133392**	650
14	**132822**	36.0	**132567**	25.0	**132840**	4.0	**430155**	2.0	....	....	**430831**	1200

Shaft Size	A		B	C	D (Min.-Max.)	E	F-Bolt	G	H		J	
	STL	SSL	STL & SSL	STL & SSL	STL &SSL	STL & SSL	STL & SSL	STL & SSL	STL	SSL	STL	SSL
9	27-3/4	21	34	14-1/2	25-5/8 - 28-7/8	7-1/2	1-3/4	3-1/2	5-7/8	4	22-3/8	23-1/2
10	27-3/4	21	34	14-1/2	25-5/8 - 28-7/8	7-1/2	1-3/4	3-1/2	5-7/8	4	22-3/8	23-1/2
12	30	23-1/4	40	17	31-1/4 - 34-3/4	9	2	4	6-3/4	6-3/4	29-5/16	29-5/16
14	34	26-1/4	46-1/8	18	36-1/2 - 40-1/2	10	2	4	7	...	35-1/8	35-1/8

Shaft Size	K	L	M	N	N1	P	S	T		U	U1	U2	V	Wt. (lbs.)	
	STL & SSL	STL & SSL	STL & SSL	STL	SSL	STL & SSL	STL & SSL	STL	SSL	SSL	STL		STL & SSL	STL	SSL
9	22-1/2	16	10-3/4	11	5-1/2	19	3	5-1/4	4	3-3/8	1-1/4	1-1/4	5	1235	1168
10	22-1/2	16	10-3/4	11	5-1/2	19	3	5-1/4	4	3-7/8	1-1/4	1-1/4	5	1240	1105
12	28-1/4	18	13-1/2	12-3/8	7-3/4	23-3/4	3-1/2	7	7	5-3/16	1-1/2	1-1/2	7	2000	1785
14	32-5/8	20	16	....	....	28-3/4	....	....	....	....	....	1-1/2	....	....	....

Shaft Size	V1		W	Z	B1	Thrust Collar (Dia. x Width) ●	Oil (fl. oz.)
	STL	SSL	STL & SSL	STL & SSL	STL	Plain	
9	1-1/2	1-1/2	9-5/8	5-1/4	12	12-1/2x3 - 3/16	320
10	1-1/2	1-1/2	9-5/8	5-1/4	12	12-1/2x3 - 1/4	320
12	2	2	11	7	14-1/2.	15-1/2x3 - 3/8	640
14	....	....	12-1/16	....	....	18-3/4x3 - 3/8	704

\# Not adaptable to non-expansion
\# # One required per pillow block end
\> One required per pillow block
\> > Not furnished unless specifically ordered
* Vibration detector adaptor kit @ 5.0 lbs.
(part no. 430153) thermostat @ 2.0 lbs
(part no. 133116) to be used with heater

❍ Two required for each expansion block when a non-expansion block is required
Not adaptable to short Series (SSL)
\+ + Non-Expansion Pillow Blocks include housing, liner and two split thrust collars

All housings are pre-machined for accessories; thermocouples, circulating oil vibration detector, heater and thermostat

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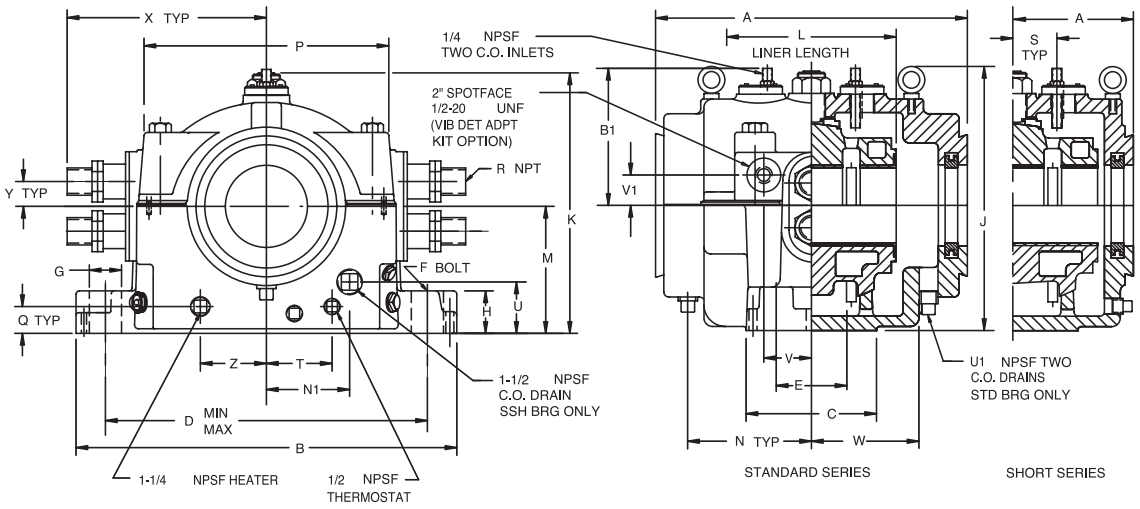
SELECTION/DIMENSIONS

SLEEVOIL - R Series

9”, 10”, 12” XC SLEEVOIL PILLOW BLOCKS



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DODGE®

SLEEVOIL - R Series

9", 10", 12" XC SLEEVOIL PILLOW BLOCKS

Shaft Size	Non-Expansion Pillow Blocks XC (Externally Cooled) + +		Expansion Pillow Blocks XC (Externally Cooled)				Required to Make Up Non-Expansion Pillow Blocks ● >>	
	STL-XC		STL-XC		SSL-XC #		XC Split Thrust Collars	
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
9	**134233** ⊗	1714	**132538** ⊗	1600	**133565** ⊗	1500	**133303**	57
10	**134234** ⊗	2148	**132539** ⊗	2000	**133566** ⊗	1750	**133304**	74
12	**134235 x**	....	**132559 x**	3300	**....**	....	**133305**	....

Shaft Size	Auxiliary Seal Kits ##		Housing End Cap Kits		Heater XC		Circulating Oil Inlet Kits >		Neoprene End Closure ##		Liner Assemblies XC	
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.
9	**132814**	23.1	**132564**	15.9	**132840**	4.0	**430155**	2	**133996**	1.5	**132591**	300
10	**132816**	24.2	**132565**	16.4	**132840**	4.0	**430155**	2	**133995**	1.6	**132594**	400
12	**132819**	40.0	**132566**	25.0	**....**	....	**....**	....	**133997**	1.9	**132597**	600

Shaft Size	A		B		C		D (Min.-Max.)		E	
	STL	SSL	STL	SSL	STL	SSL	STL	SSL	STL	SSL
9	29	22-1/4	37	37	15-1/2	15-1/2	28-3/8 - 31-5/8	28-3/8 - 31-5/8	8	8
10	30	23-1/4	40	40	17	17	31-1/4 - 34-3/4	31-1/4 - 34-3/4	9	9
12	34	...	46		18	...	36-5/8 - 40-3/8	....	10	....

Shaft Size	F-Bolt		G		H		J		K		L	M
	STL	SSL	STL	SSL	STL	SSL	STL	SSL	STL	SSL	XC	STL & SSL
9	1-3/4	1-3/4	3-1/2	3-1/2	6	6	26-13/16	26-3/4	25-1/2	25-1/2	17	12
10	2	2	4	4	6-3/4	6-3/4	29-5/16	29-1/4	28-1/4	28-1/4	18	13-1/2
12	2	....	4-1/8	....	7	7	34-3/4	29-5/16	33-1/16	....	20	16

Shaft Size	N	N1	P		Q	R Pipe	S	T	U	U1	V	V1
	STL	SSL	STL	SSL	STL & SSL	XC	STL & SSL	STL & SSL	SSL	STL	STL & SSL	STL & SSL
9	11-7/8	5-3/4	21-3/4	21-3/4	2-1/2	1-1/4	3-3/8	6-3/8	5-1/8	1-1/2	5	1-1/2
10	12-3/8	5-1/2	23-3/4	23-3/4	3	1-1/2	3-1/2	7	6-1/8	1-1/2	7	2
12	....	....	28-3/4	....	....	2	....	....	....	....	....	....

Shaft Size	W		X	Y	Z	B1		Thrust Collar (Dia. x Width) ●	Oil (fl. oz.)
	STL	SSL	XC	XC	STL & SSL	STL	SSL	XC	
9	10-5/8	10-5/8	16-1/4	2-1/4	6-3/8	13-5/8	13-5/8	13 x 3-3/16	320
10	11	11	17-1/2	2-5/8	7	14-1/2	14-1/2	14-3/8 x 3-3/16	640
12	12-1/16	....	20-1/4	....	....	....	....	17-1/4 x 3-1/2	704

\# Not adaptable to non-expansion

\# # One required per pillow block end

\> One required per pillow block

\> > Not furnished unless specifically ordered

* Vibration detector adaptor kit @ 5.0 lbs. (part no. 430153) thermostat @ 2.0 lbs. (part no. 133116) to be used with heater

❍ Two required for each expansion block when a non-expansion block is required. Not adaptable to short Series (SSL)

⊗ All housings are pre-machined for accessories; thermocouples, circulating oil vibration detector, heater and thermostat

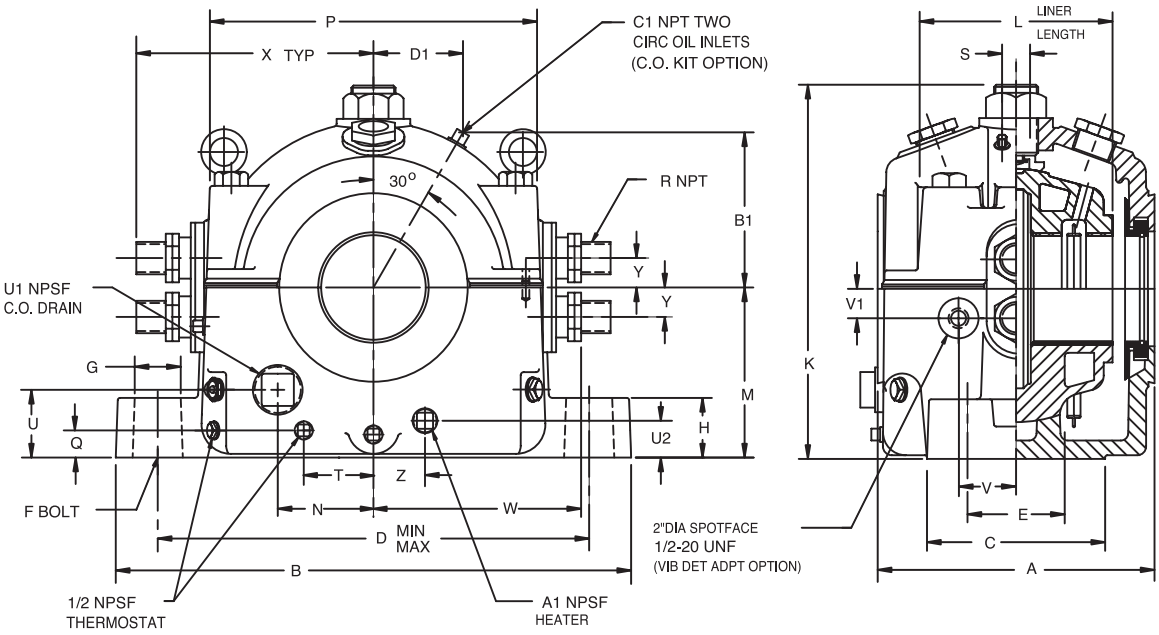
x Assembled-to-order, Not "L" version

\+ + Non-Expansion Pillow Blocks include housing, liner and two split thrust collars

SELECTION/DIMENSIONS

SLEEVOIL - RTL Series

3-7/16” THRU 12” RTL SLEEVOIL PILLOW BLOCKS



DODGE®

SLEEVOIL - RTL Series

3-7/16" THRU 12" RTL SLEEVOIL PILLOW BLOCKS

Shaft Size	Non-Expansion Pillow Blocks + +		Expansion Pillow Blocks		Required to Make-Up Non-Expansion Pillow Blocks F > > ●				Optional Accessories > > *						
					Thrust Plate Kits		Split Thrust Collar ⊗⊗		Auxiliary Seal Kits # #		Housing End Cap Kits		Heater		Pipe Grommet Kits
	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.	Wt.	Part No.
3-7/16	**132362**	195	**132474**	190	**132218**	2.5	**132151**	2.6	**132811**	4.9	**132542**	5.3	**132836**	1.0	**132645**
3-15/16	**132363**	238	**132475**	230	**132219**	4.3	**132152**	4.2	**432181**	6.4	**432190**	6.1	**132838**	2.5	**132646**
4-7/16	**132364**	311	**132476**	300	**132220**	5.4	**132153**	5.6	**432184**	7.0	**432193**	6.8	**132838**	2.5	**132646**
4-15/16	**132365**	441	**132477**	425	**132221**	6.9	**132154**	8.7	**432187**	7.5	**432196**	7.3	**132839**	3.0	**132647**
5-7/16	**132366**	521	**132383**	500	**132222**	10.2	**132155**	10.8	**133932**	12.4	**132546**	11.6	**132839**	3.0	**132647**
6	**132367**	854	**132384**	825	**132223**	12.7	**132156**	15.9	**133933**	14.8	**132547**	10.6	**132839**	3.0	**132647**
7	**132368**	1018	**132385**	978	**132224**	17.6	**132157**	22.4	**133937**	19.0	**132548**	13.5	**132840**	4.0	**132647**
8	**132369**	1368	**132386**	1310	**132225**	23.1	**132158**	34.5	**133938**	24.9	**132549**	15.5	**132840**	4.0	**132648**
9	**132370**	1738	**132387**	1650	**132226**	42.6	**132159**	45.9	**132814**	23.1	**132564**	15.9	**132840**	4.0	**132648**
10	**132371**	2262	**132388**	2150	**132227**	52.7	**132160**	59.8	**132816**	24.2	**132565**	16.4	**132840**	4.0	**132649**
12	**132372**	3670	**132389**	3500	**132228**	74.1	**132161**	96.4	**132819**	40.0	**132566**	25.0	**132841**	7.5	**132650**

Shaft Size	Optional Accessories > > * Circulating Oil Inlet Kits >		Replacement Liner Assemblies		A	B	C	D (Max.-Min.)	E	F Dia. Bolt	G	H	K
	Part No.	Wt.	Part No.	Wt.									
3-7/16			**132420**	47	10	18-3/4	6	16-1/8 - 14-7/8	3	3/4	1-1/2	2	12-9/16
3-15/16			**132421**	65	10-3/4	20-3/4	7	18 - 16-1/2	3-1/2	7/8	1-3/4	2-1/4	13-5/8
4-7/16	**132203**	2	**132422**	82	11-3/4	21-3/4	7-1/2	18-7/8 - 17-1/8	4	1	2	2-1/2	15-1/4
4-15/16			**132423**	113	12-3/4	24-1/4	8-1/2	21-3/8 - 19-5/8	4-1/2	1	2	2-3/4	17-3/8
5-7/16			**132424**	144	14	26-3/4	9-1/2	23-1/4 - 21-1/4	5	1-1/8	2-1/4	3-1/4	18-7/8
6			**132425**	182	16	29	10-1/2	25-1/8 - 22-7/8	5-1/2	1-1/4	2-1/2	3-1/2	20-1/8
7			**132426**	257	18	33	12-1/2	28-7/8 - 26-1/8	6-1/2	1-1/2	3	4	22-3/8
8	**132205**	2	**132427**	412	19-3/4	38	14	33-1/8 - 29-7/8	7-1/2	1-3/4	3-1/2	4-1/2	25-13/16
9			**132428**	623	22-3/4	41-1/2	15-1/2	6-5/8 - 33-3/8	8	1-3/4	3-1/2	5	28-1/4
10			**132429**	955	24-1/2	47-1/2	17	41-7/8 - 38-1/8	9	2	4	6	33-7/8
12			**132430**	1405	29	49	18	43-5/8 - 41-7/8	10	2	3	6-1/2	37

Shaft Size	L	M	N	P	Q	R	S	T	U	U1	U2
3-7/16	6-3/4	5-7/8	3-5/8	11-5/8	1-1/8	3/4	1-3/8	. . . .	2-3/4	1-1/2	1-1/8
3-15/16	7-1/4	6-1/2	4-3/8	12-7/8	1-1/8	1	1-1/2	. . . .	2-15/16	1-1/2	1-1/4
4-7/16	8	7	4-1/2	13-3/4	1-1/4	1	1-1/2	. . . .	2-15/16	1-1/2	1-3/8
4-15/16	8-7/8	7-3/4	5-1/8	16	1-1/4	1-1/4	1-5/8	. . . .	3-1/4	2	1-1/2
5-7/16	10	8-3/4	5-3/4	17-1/4	1-5/8	1-1/4	2	2-15/16	3-3/4	2	1-7/8
6	10-7/8	9-1/2	6-1/4	18-3/4	1-5/8	1-1/4	2-1/8	3-1/2	4	2	1-7/8
7	12-1/2	10-3/4	6-7/8	21-1/4	2	1-1/4	2-1/4	4	4-1/4	2	2
8	14-1/8	12-1/4	8-1/2	24-1/4	2-1/4	2	2-3/8	5-1/2	4-3/4	2	2-1/4
9	16-1/4	13-1/2	9-3/16	27-1/4	2-1/4	2	3	5-1/2	5-1/16	2	2-1/4
10	17-3/4	16	11	31	2-7/8	2-1/2	3-1/8	8-1/2	5-9/16	2-1/2	2-7/8
12	20-3/4	17-3/4	12-7/16	35-1/2	3-1/8	3	3-1/4	9	6-1/8	2-1/2	3-1/8

Shaft Size	V	V1	W ±3/16	X	Y	Z	A1	B1	C1	D1	Thrust Collar Dia. x Width	Oil (fl. oz.)
3-7/16	3-1/4	3/4	7-5/8	8-3/4	1-1/4	3-9/16	3/4	7-1/4	1/4	4-3/16	5-1/2 x 3/4	56
3-15/16	3	1-1/2	8-11/16	9-13/16	1-1/4	4-1/16	1	7-11/16	1/4	4-9/16	6-1/4 x 3/4	64
4-7/16	3-1/4	1-5/8	9-1/8	10-1/4	1-1/4	4-7/16	1	8-1/8	1/4	4-5/8	7 x 3/4	80
4-15/16	3-3/4	1-3/4	10-3/4	12-7/16	1-7/8	5-3/8	1-1/4	8-1/2	1/4	4-15/16	8 x 7/8	128
5-7/16	4	1-3/4	11-7/16	12-7/8	1-7/8	5-5/8	1-1/4	9-1/16	1/4	5-1/4	8-1/2 x 1	152
6	3-3/4	2	12-3/16	13-1/2	1-7/8	6-1/8	1-1/4	10-7/8	3/8	6- 5/16	9-11/16 x1-1/8	224
7	4-1/2	2	13-3/16	14-5/8	1-7/8	6-7/8	1-1/4	12-1/16	3/8	6-15/16	11-1/4 x 1-1/4	336
8	5	2	15-11/16	17-7/8	2-1/4	8-3/8	1-1/4	13-1/8	3/8	7-3/16	13 x 1-3/8	416
9	5-1/2	2	17-1/8	19-1/4	2-1/4	9-1/16	1-1/4	14-3/16	3/8	8-3/16	14-1/2 x 1-1/2	608
10	6	2	19-13/16	22-1/2	2-3/4	10-5/8	1-1/4	15-1/8	3/8	8-3/4	16 x 1-5/8	896
12	6-1/2	2	22	24-1/4	3-1/2	12-1/8	1-1/4	19-1/2	3/8	9-9/16	19-1/2 x 1-3/4	1440

One required per pillow block end

> One required per pillow block

> > Not furnished unless specifically ordered

* Vibration detector adaptor kit @ 5.0 lbs. (part no. 430153) thermostat @ 2.0 lbs. (part no. 133116) to be used with heater

❍ One of each required for each expansion block when a non-expansion block is required.

⊗ ⊗ For recessed shaft

+ + Non-Expansion Pillow Blocks include housing, liner, thrust plate kit and one split thrust collar

All sizes are pre-machined for accessories thermocoupling, circulating oil, vibration detector, heater and thermostat

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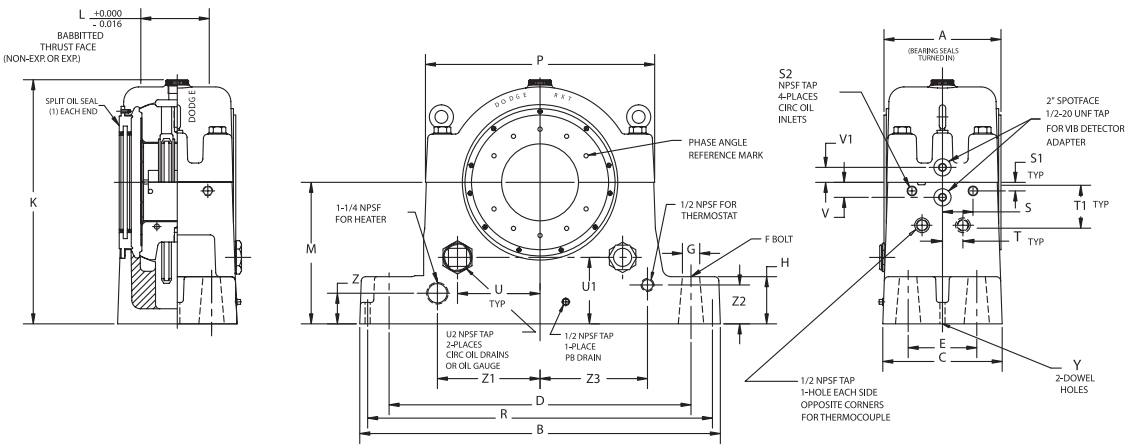
SELECTION/DIMENSIONS

SLEEVOIL - RXT Series

2-15/16” THRU 12” RXT SLEEVOIL PILLOW BLOCKS



DODGE®

SLEEVOIL - RXT Series

2-15/16" THRU 12" RXT SLEEVOIL PILLOW BLOCKS

Size	For Shaft	Oil (Gal.)	A	B	C	D	E	F Dia. Bolt	G	H	K	L	M	P	R
3	2-15/16, 3-7/16	1-1/4	7-15/16	23-1/4	7-3/4	19-7/8	3-3/4	3/4	1-1/2	3	14-5/8	3-3/16	8-3/4	13-1/4	21
4	3-15/16, 4-7/16	1-7/8	9-3/16	26-1/4	9	22-1/4	4-5/8	1	2	3-7/8	17-3/8	4-3/16	10-5/8	15-1/4	24
5	4-15/16, 5-7/16	2-1/2	10-7/16	29-1/2	10-7/16	25	5-1/2	1-1/8	2-1/4	4-3/16	20-7/8	5-3/16	12-5/16	17-3/4	27
6	6, 7	3-1/4	12	34-1/2	12	29-1/2	6-1/2	1-1/2	2-5/8	4-1/2	23-1/16	6-1/2	13-1/4	21-1/2	31-1/4
8	8, 9	5-1/8	14-1/4	41-3/4	14-5/8	36	8	1-3/4	2-7/8	4-1/2	27-1/4	8-1/2	15-1/2	26-3/4	38
10	10, 12	7-3/4	17-1/4	49	17-3/4	42-3/4	10	2	3-1/8	5-3/8	31-5/8	11	17-3/4	32	44

Size	For Shaft	S	S1	S2	T	T1	U	U1	U2	V	V1	Y	Z	Z1	Z2	Z3
3	2-15/16, 3-7/16	1-3/8	23/32	1/2	13/16	2-3/16	4-1/4	5-1/16	1-1/4	. . . .	1-5/16	19/32	1-7/8	5-3/4	3-1/4	5-1/2
4	3-15/16, 4-7/16	1-5/8	23/32	1/2	1-1/16	2-3/4	5-1/4	6-1/8	2	. . . .	1-1/8	23/32	2-3/8	6-5/8	3-9/16	6-1/2
5	4-15/16, 5-7/16	2-1/8	23/32	1/2	1-1/4	3-5/16	6-5/8	6-1/16	2	. . . .	1-3/8	23/32	2-3/8	7-3/4	3-9/16	8
6	6, 7	2-7/8	15/16	3/4	2	4	8-1/4	6	2-1/2	1-3/4	. . . .	23/32	2-1/8	5-1/4	3-1/4	9-1/4
8	8, 9	3-5/8	15/16	3/4	2-3/8	5	10-1/8	6-1/2	2-1/2	1-3/4	. . . .	23/32	3-1/8	11-1/2	4	11-3/4
10	10, 12	4-9/16	1-1/4	1	3	6-1/2	12	7-5/8	2-1/2	2	. . . .	23/32	3	14	4-1/8	14-1/2

Size	For Shaft	Housing ▲▲		S Liner Part No.	T Liner Part No. ++	Liner Wt.	Split Thrust Collar Kit *	Recessed Shaft Split Thrust Collar Kit > >	Split Seal Ring ✦	
		Part No.	Wt.						Part No.	Fits Shaft
3	2-15/16 3-7/16	134500	173	**134710** **134711**	**134510** **134511**	43	**134880** **134881**	**432176** **432271**	**134860** **134861** **134862**	2-15/16 3-7/16 4-7/16
4	3-15/16 4-7/16	134501	305	**134712** **134713**	**134512** **134513**	90	**134882** **134883**	**432272** **432273**	**134863** **134864** **134865**	3-15/16 4-7/16 6
5	4-15/16 5-7/16	134502	440	**134714** **134715**	**134514** **134515**	144	**134884** **134885**	**432274** **432275**	**134866** **134867** **134868**	4-15/16 5-7/16 8
6	6 7	134503	740	**134716** **134717**	**134516** **134517**	195	**134886** **134887**	**432276** **432277**	**134869** **134870** **134871**	6 7 10
8	8 9	134504	1091	**134718** **134719**	**134518** **134519**	353	**134888** **134889**	**432165** **432278**	**134872** **134873** **134874**	8 9 12
10	10 12	134505	2126	**134720** **134721**	**134520** **134521**	800	**134890** **134891**	**432279** **432448**	**134875** **134876** **134877**	10 12 14-1/2

Order housings, liners, and seals seperately.
#3, 4,& 5 bearing sizes have one oil ring.
#6, 8,& 10 bearing sizes have two oil rings.

▲▲ Housings include oil ring(s), sight gauge, pipe plugs, and eye bolts.

++ When ordering the T liner, integral thrust collars are required. Contact Dodge for exact

* For use with S liner only.
Back-up shoulders are required. Contact Dodge for shaft dimensions per #C11235.

> > For use with S liner only.
Recessed shaft grooves are required.
Contact dodge for shaft dimensions per #B48371.

✦ One seal required for each end of housing

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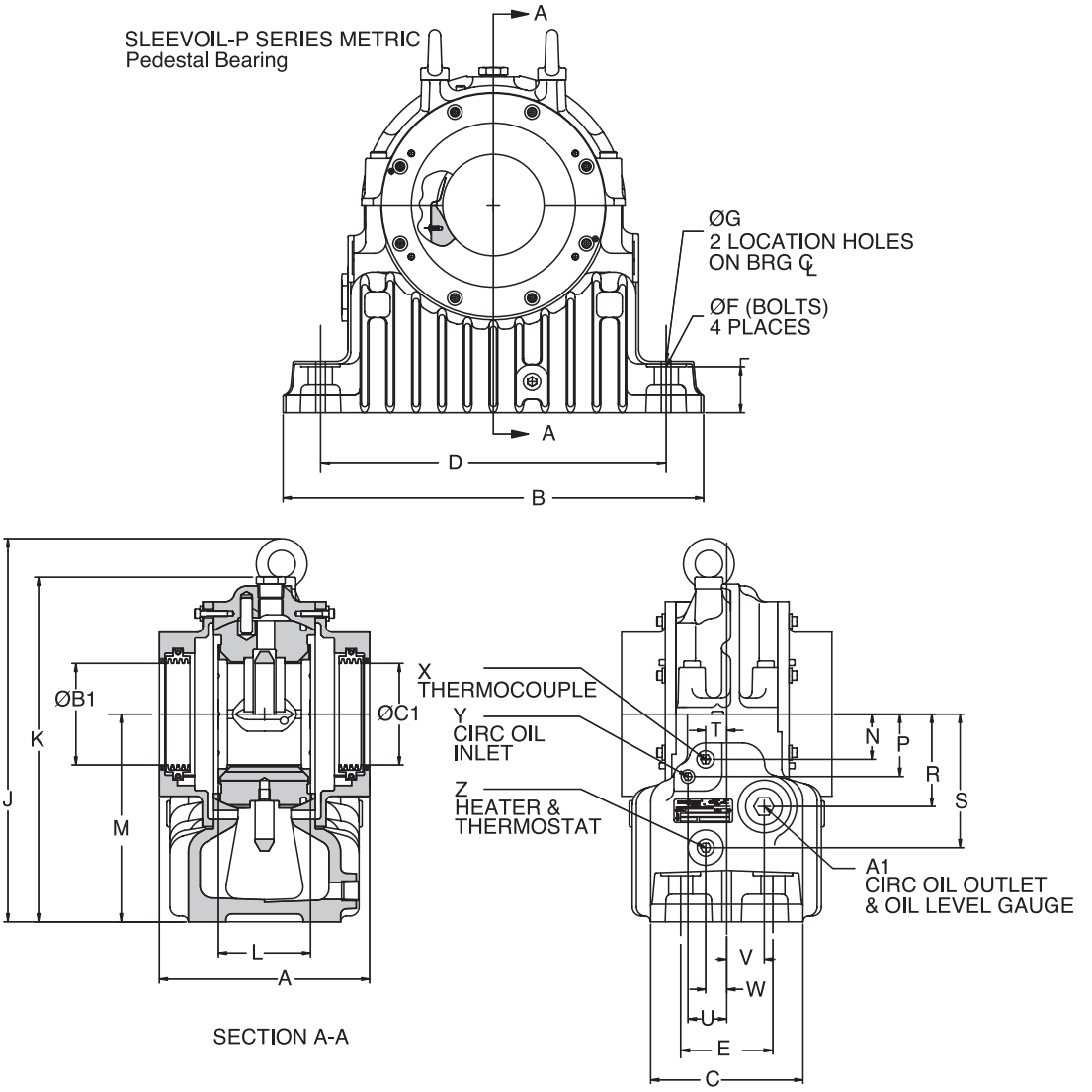
SELECTION/DIMENSIONS

SLEEVOIL - P Series
PEDESTAL BEARING



SLEEVOIL - P Series
PEDESTAL BEARING

SIZE	SHAFT SIZE	A	B	C	D	E	F	G	H	J MAX	K MAX	L	M	N	P
9	80 90 100	201	335	145	300	90	22 FOR M16	10.2	35	355	320	80	190	65	29
11	100 110 125	228	450	165	375	100	26 FOR M20	10.2	50	417	375	100	225	49	67
14	125 140 160	265	540	205	450	125	30 FOR M24	10.2	60	498	450	125	265	70	80
18	160 180 200	310	660	245	560	150	40 FOR M30	15.5	70	596	525	160	315	105	93
22	200 225 250	371	800	310	670	200	46 FOR M36	15.5	80	703	650	200	375	115	112

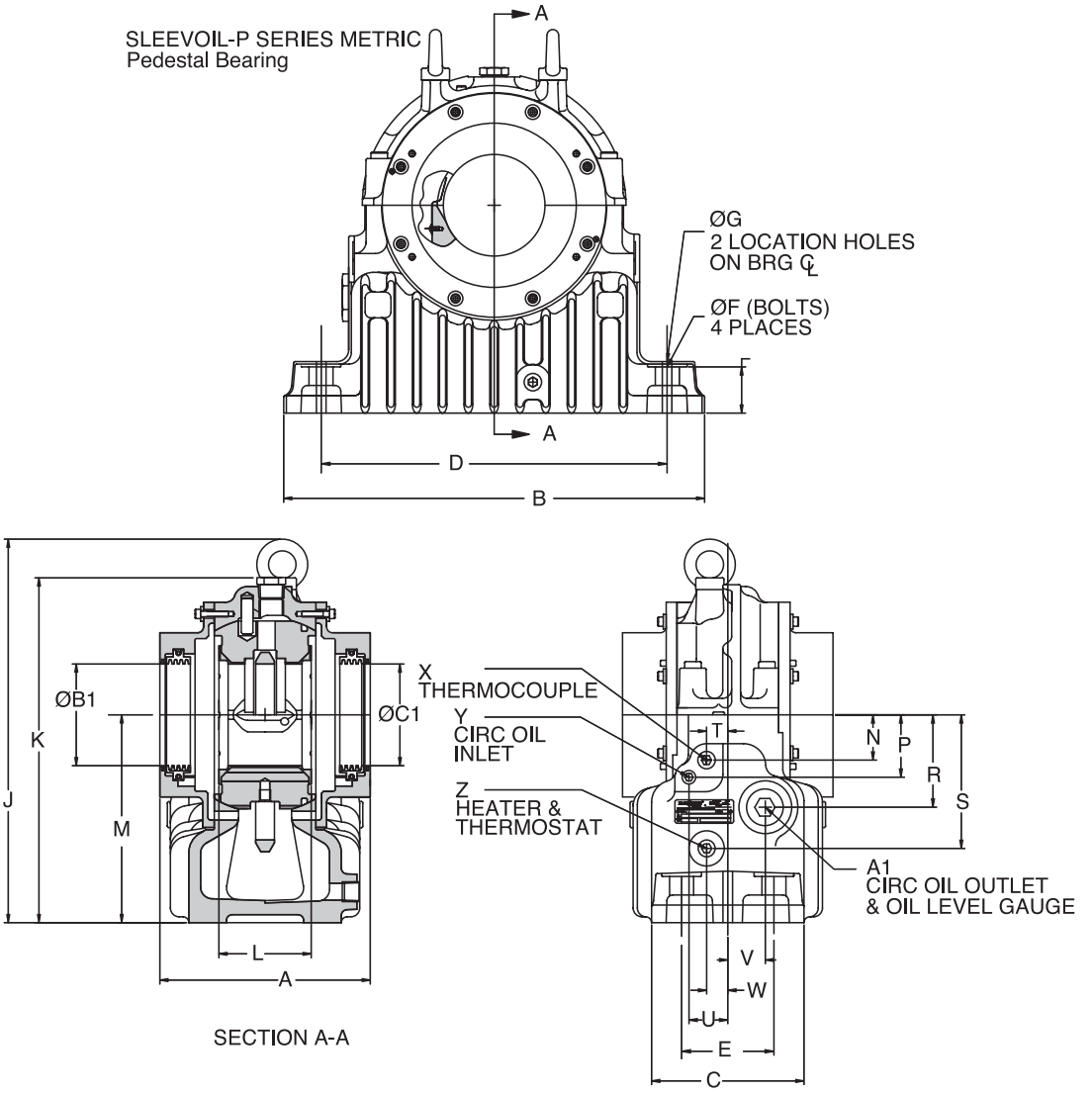
SIZE	SHAFT SIZE	R	S	T	U	V	W	X	Y	Z	A1	⊗ B1 & ⊗ C1
9	80 90 100	85	127	23	38	16	23	1/2 - 14 NPTF	3/8 - 18 NPTF	1/2 - 14 NPSF	1-1/4 - 11/12 NPTF	80/90/100/110
11	100 110 125	100	145	23	42	41	23	1/2 - 14 NPTF	3/8 - 18 NPTF	1/2 - 14 NPSF	1-1/4 - 11-1/2 NPTF	100/110/125/140
14	125 140 160	125	172	27	55	28	25	1/2 - 14 NPTF	3/8 - 18 NPTF	3/4 - 14 NPSF	1-1/2 - 11-1/2 NPTF	125/140/160/180
18	160 180 200	155	203	30	68	* 76	33	1/2 - 14 NPTF	1/2 - 14 NPTF	3/4 - 14 NPSF	1-1/2 - 11-1/2 NPTF	160/180/200/225
22	200 225 250	175	252	31.5	82.5	* 63	44.5	1/2 - 14 NPTF	3/4 - 14 NPTF	1-1/4 - 11-1/2 NPSF	2-1/2 - 8 NPTF	200/225/250/280

* Dimension and cir oil inlet are on the opposite side of the center line (left side)

FEATURES/BENEFITS PAGE B14-3	SPECIFICATION/HTO PAGE B14-6	NOMENCLATURE PAGE B14-7	SELECTION/DIMENSIONS PAGE B14-16

SELECTION/DIMENSIONS

SLEEVOIL - P Series Metric
PEDESTAL BEARING



DODGE®

SLEEVOIL - P Series Metric
PEDESTAL BEARING

Size	Shaft Size	Unribbed Pedestal Housing Part Number
9	80 90 100	**135444**
11	100 110 125	**135443**
14	125 140 160	**135442**
18	160 180 200	**135441**
22	200 225 250	**135445**

Size	Shaft Size	Oil Seal Fixed = "X" Part Number	Oil Seal Floating = "F" Part Number
9	80	**134430**	**135348**
	90	**134431**	**135349**
	100	**134432**	**135350**
	110	**134433**	**135351**
11	100	**134434**	**135352**
	110	**134435**	**135353**
	125	**134436**	**135354**
	140	**134437**	**135355**
14	125	**134438**	**135356**
	140	**134439**	**135357**
	160	**134440**	**135358**
	180	**134441**	**135359**
18	160	**134442**	**135360**
	180	**134443**	**135361**
	200	**134444**	**135362**
	225	**134445**	**135363**
22	200	**134446**	**135364**
	225	**134447**	**135365**
	250	**134448**	**135366**
	280	**134449**	**135367**

Available Options
- Split Floating Or Fixed Labyrinth Seal
- Closed-End Cover

Size	Shaft Size	Liner Assemblies Part Number
9	80	**134412**
	90	**134413**
	100	**134414**
11	100	**134415**
	110	**134416**
	125	**134417**
14	125	**134418**
	140	**134419**
	160	**134420**
18	160	**134421**
	180	**134422**
	200	**134423**
22	200	**134424**
	225	**134425**
	250	**134426**

Size	Part Number	SLV P Series DIN OIL DAM KIT	End Cover Kits
9	135321	SIZE 9 DIN OIL DAM KIT	433233
11	135322	SIZE 11 DIN OIL DAM KIT	433345
14	135323	SIZE 14 DIN OIL DAM KIT	433348
18	135324	SIZE 18 DIN OIL DAM KIT	433308
22	135325	SIZE 22 DIN OIL DAM KIT	

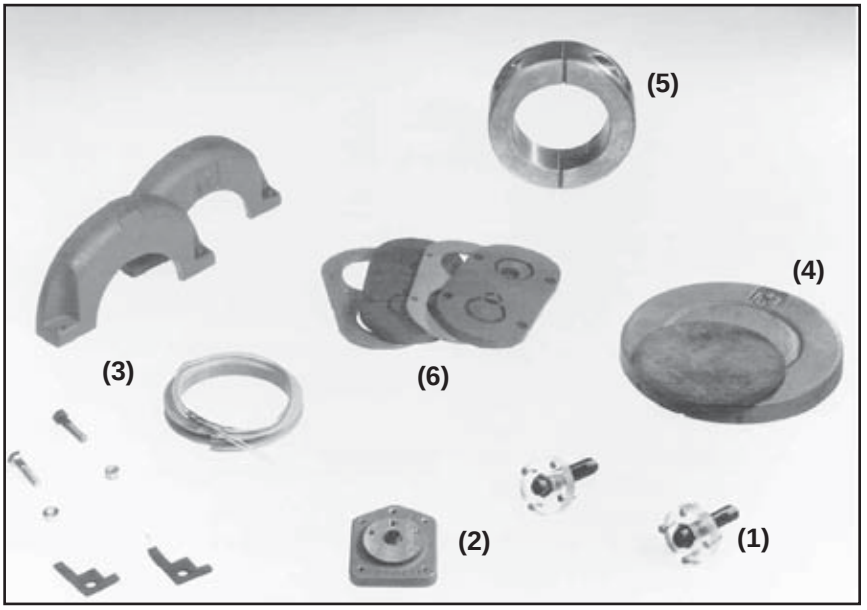
SLV P Series DIN Pedestal Bearing Assembly	
135880	P9U8080F80F SLV PB
135881	P9U9090F90F SLV PB
135882	P9U100100F100F SLV PB
135883	P11U100100F100F SLV PB
135884	P11U110110F110F SLV PB
135885	P11U125125F125F SLV PB
135886	P14U125125F125F SLV PB
135887	P14U140140F140F SLV PB
135888	P14U160160F160F SLV PB
135889	P18U160160F160F SLV PB
135890	P18U180180F180F SLV PB
135891	P18U200200F200F SLV PB
135892	P22U200200F200F SLV PB
135893	P22U225225F225F SLV PB
135894	P22U250250F250F SLV PB

The Above Part Numbers Have Floating Seals As Standard. By Housing Size Additional Standard Seal Combinations Are Available

* Pedestal units are assembled to order, consisting of one housing, one liner and two oil seals. Oil rings are included in the housing assembly.

MODIFICATIONS/ACCESSORIES

SLEEVOIL



A number of standard options are available for all SLEEVOIL bearings (See Fig. 4). These non-standard components can be used to enhance overall bearing performance in a number of ways, including significant expansion of the bearing's operating envelope, maintaining consistent performance in extremely changeable or hostile surroundings, improved system diagnostic capabilities, and more. The ten most common options are listed below. (Note: Additional modifications can be designed for special applications.)

Thermocouple-Monitors bearing's babbitt temperature to help protect system against abnormal operating conditions.

Circulating Oil-Provides controlled delivery of oil regardless of shaft surface speed. Provides more rapid heat dissipation, constantly cleans oil, and floods bearing journal, all of which allows significantly higher speed operation. **R Series - Circulating Oil Inlet Kit (1)**

Heater & Thermoswitch - Maintains consistent bearing oil sump temperature on startup in cold environments.

Vibration Detector Kit-Attaches vibration sensors to bearing housing to allow constant monitoring of system balance. **(2)**

Auxiliary Seals-Provide additional protection from environmental contaminants and locations where high velocity air flows over the bearing. **(3)**

End Cap-Closes off bearing housing in short shafted applications. **(4)**

Hydrostatic Oil Lift-Maintains fully developed oil film by pressurized oil delivery to bearing journal load zone. Used primarily for slow speed operation or startup under extremely heavy loads

OPTION	BEARING SERIES		
	P	RTL	R
Thermocouple	√	√	√
Circulating Oil	√	√	√
Water Jacketed Liner	-	√	√
Heater & Thermostat	√	√	√
Vibr. Detector Kit	-	√	√
Auxiliary Seals	-	√	√
End Cap Kit	√	√	√
Air Seal	-	-	-
Elec. Insulation	-	√	√
Hydrostatic Oil Lift	√		

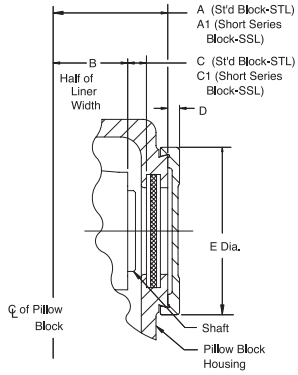
Fig. 4

R Series - Split Thrust Collar (5)
R Series - Grommet and Grommet Plate (6)

SLEEVOIL Traditional (Inch)

3-7/16" THRU 14" END CAP KITS

SLEEVOIL ACCESSORIES



END CAP KIT

Bore Size	Pillow Block Style	End Cap Kits				A STL	A1 SSL	B # One Half Liner	C # STL	C1 # SSL
		Part Number	Wt.	D	E					
3-7/16	Plain/Water Cooled STL and SSL	**132542**	5.3	1/2	7-1/8	6-1/2	4-7/8	3-1/2	2-3/32	15/32
3-15/16	PLXC, STL and SSL	**432190**	6.1	1/2	8	7-1/2	5-1/2	4	2-5/8	5/8
4-7/16		**432193**	6.8	1/2	8-3/4	8-1/4	6-1/4	4-1/2	2-23/32	23/32
4-15/16		**432196**	7.3	1/2	9-1/8	9-1/8	6-7/8	5	3- 3/32	27/32
5-7/16		**132546**	11.6	1/2	10-1/2	9-7/8	7-5/8	5-1/2	3-3/32	27/32
6		**132547**	10.6	1/2	11-1/2	10-5/8	8-1/8	6	3-11/32	27/32
7		**132548**	13.5	1/2	12-9/16	12-1/4	9-3/8	7	3-29/32	1-1/32
8		**132549**	15.5	1/2	14-1/2	13-7/8	10-1/2	8	4-17/32	1- 5/32
3-7/16	RTL	**132542**	5.3	1/2	7-1/8	5	....	3-3/8	27/32	....
3-15/16		**432190**	6.1	1/2	8	5-3/8	....	3-5/8	29/32	....
4-7/16		**432193**	6.8	1/2	8-3/4	5-7/8	....	4	1-1/32	....
4-15/16		**432196**	7.3	1/2	9-1/8	6-3/8	....	4-7/16	1-3/32	....
5-7/16		**132546**	11.6	1/2	10-1/2	7	....	5	1-5/32	....
6		**132547**	10.6	1/2	11-1/2	8	....	5-7/16	1-11/32	....
7		**132548**	13.5	1/2	12-9/16	9	....	6-1/4	1-17/32	....
8		**132549**	15.5	1/2	14-1/2	9-7/8	....	7-1/16	1-19/32	....
9	STL Plain	**132564**	15.9	1/2	14-1/2	13-7/8	.....	8	4-17/32	.....
	XC					14-1/2	.....	8-1/2	4-21/32	.....
	SSL Plain					.....	10-1/2	8	.....	1-5/32
	SSL					.....	11-1/8	8-1/2	.....	1-9/32
	XC									
	RTL					11-3/8	.....	8-1/8	2-1/32	.....
10	STL Plain	**132565**	16.4	1/2	14-1/2	13-7/8	.....	8	4-17/32	.....
	XC					15	.....	9	4-21/32	.....
	SSL Plain					.....	10-1/2	8	.....	1-5/32
	SSL					.....	11-5/8	9	.....	1-9/32
	XC									
	RTL					12-1/4		8-7/8	2-1/32	.....
12	STL Plain	**132566**	26	1/2	18-3/4	15	.....	9	4-21/32	.....
	RTL					14-1/2		10-3/8	2-25/32	
14	STD Plain	**132567**	26.5	1/2	18-3/4	17		10	5-21/32	.....

B+C (OR B+C1) = max. shaft penetration from center line of pillow block

FEATURES/BENEFITS PAGE B14-3	SPECIFICATION/HTO PAGE B14-6	NOMENCLATURE PAGE B14-7	SELECTION/DIMENSIONS PAGE B14-16

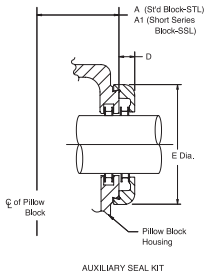
MODIFICATIONS/ACCESSORIES

DODGE®

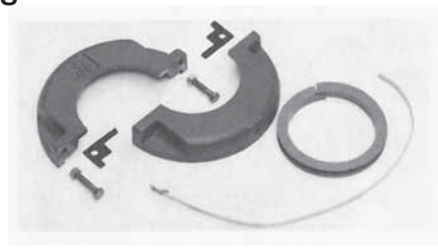
SLEEVOIL Traditional (Inch)

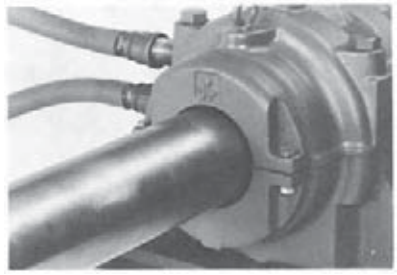
3-7/16" THRU 14" AUXILIARY SEAL KITS

SLEEVOIL ACCESSORIES



AUXILIARY SEAL KIT





Bore Size	Pillow Block Style	Auxiliary Seal Kits Part Number	Wt.	D	E	A STL	A1 SSL	B # One Half Liner	C # STL	C1 # SSL
3-7/16	Plain/Water Cooled STL and SSL	**132811**	4.9	15/16	7-1/8	6-1/2	4-7/8	3-1/2	2-3/32	15/32
3-15/16	PLXC, STL and SSL	**432181**	6.4	15/16	8	7-1/2	5-1/2	4	2-5/8	5/8
4-7/16		**432184**	7.0	1	8-3/4	8-1/4	6-1/4	4-1/2	2-23/32	23/32
4-15/16		**432187**	7.5	1	9-1/8	9-1/8	6-7/8	5	3- 3/32	27/32
5-7/16		**133932**	12.4	1-5/16	10-1/2	9-7/8	7-5/8	5-1/2	3-3/32	27/32
6		**133933**	14.8	1-5/16	11-1/2	10-5/8	8-1/8	6	3-11/32	27/32
7		**133937**	19.0	1-7/16	12-9/16	12-1/4	9-3/8	7	3-29/32	1-1/32
8		**133938**	24.9	1-7/16	14-1/2	13-7/8	10-1/2	8	4-17/32	1- 5/32
3-7/16	RTL	**132811**	4.9	15/16	7-1/8	5	....	3-3/8	27/32	....
3-15/16		**432181**	6.4	15/16	8	5-3/8	....	3-5/8	29/32	....
4-7/16		**432184**	7.0	1	3-3/4	5-7/8	....	4	1-1/32	....
4-15/16		**432187**	7.5	1	9-1/8	6-3/8	....	4-7/16	1-3/32	....
5-7/16		**133932**	12.4	1-5/16	10-1/2	7	....	5	1-5/32	....
6		**133933**	14.8	1-5/16	11-1/2	8	....	5-7/16	1-11/32	....
7		**133937**	19.0	1-7/16	12-9/16	9	....	6-1/4	1-17/32	....
8		**133938**	24.9	1-7/16	14-1/2	9-7/8	....	7-1/16	1-19/32	....
9	STL Plain	**132814**	23.1	1-5/16	14-1/2	13-7/8	.....	8	4-17/32	.....
	XC					14-1/2	.....	8-1/2	4-21/32	.....
	SSL Plain					.....	10-1/2	8	.....	1-5/32
	SSL XC				.....	11-1/8	8-1/2	.....	1-9/32	
	RTL					11-3/8	.....	8-1/8	2-1/32	.....
10	STL Plain	**132816**	22	1-5/16	14-1/2	13-7/8	.....	8	4-17/32	.....
	XC					15	.....	9	4-21/32	.....
	SSLPlain					.....	10-1/2	8	.....	1-5/32
	SSL XC					.....	11-5/8	9	.....	1-9/32
	RTL					12-1/4		8-7/8	2-1/32	.....
12	STL Plain	**132819**	32	1-5/16	18-3/4	15	.....	9	4-21/32	.....
	RTL					14-1/2		10-3/8	2-25/32	
14	STD Plain	**132822**	30	1-5/16	18-3/4	17		10	5-21/32	.....

B+C (OR B+C1) = max. shaft penetration from center line of pillow block

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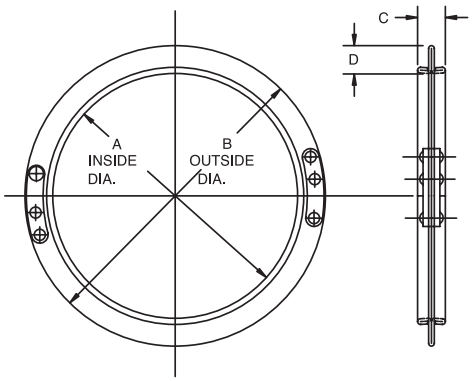
SLEEVOIL Traditional (Inch)

1-7/16" THRU 14" T SECTION OIL RING
FOR SLEEVOIL STL, SSL AND RTL SERIES PILLOW BLOCKS



Ring No.	Shaft Size			Part Number	Wt.	A	B	C	D
	Plain	PLXC or WC Rept.	RTL						
212	1-7/16	. . .	. . .	**130063**	.10	2-3/4	3-3/8	5/16	5/16
300	1-11/16	1-11/16	. . .	**130044**	.11	3	3-5/8	5/16	5/16
304	1-15/16	1-15/16	. . .	**130045**	.12	3-1/4	3-7/8	5/16	5/16
312	2-3/16	2-3/16	. . .	**130047**	.14	3-3/4	4-3/8	5/16	5/16
404	2-7/162	2-7/16	. . .	**130049**	.15	4-1/4	4-7/8	5/16	5/16
408	2-11/16	2-11/16	. . .	**130050**	.23	4-1/2	5-3/8	7/16	7/16
412	2-15/16	2-15/16	. . .	**130051**	.25	4-3/4	5-5/8	7/16	7/16
508	3-7/16	3-7/16	. . .	**130054**	.26	5-1/2	6-3/8	7/16	7/16
600	3-15/16	3-15/16	3-7/16	**130056**	.50	6	6-7/8	5/8	7/16
612	4-7/16	4-7/16	3-15/16	**130057**	.55	6-3/4	7-5/8	5/8	7/16
708	4-15/16	4-15/16	4-7/16	**130058**	.65	7-1/2	8-3/8	5/8	7/16
808	5-7/16	5-7/16	4-15/16	**130059**	1.10	8-1/2	9-7/16	3/4	15/32
904	6	6	5-7/16	**130060**	1.2	9-1/4	10-3/16	3/4	15/32
1000	. . .	. . .	6	**130078**	1.2	10	10-15/16	3/4	15/32
1012	7	7	. . .	**130062**	1.3	10-3/4	11-11/16	3/4	15/32
1108	8	8	7	**130065**	1.5	11-1/2	12-7/16	3/4	15/32
1304	9, 10		8	**130066**	1.8	13-1/4	14-3/16	3/4	15/32
1400	. . .	9	. . .	**130067**	1.9	14	14-15/16	3/4	15/32
1500	. . .	10	9	**130068**	2.0	15	15-15/16	3/4	15/32
1600	12	. . .	. . .	**130070**	2.3	16	16-15/16	3/4	15/32
1708	. . .	12	10	**130073**	2.4	17-1/2	18- 7/16	3/4	15/32
1812	14	. . .		**130069**	2.7	18-3/4	19-11/16	3/4	15/32
2000	. . .	. . .	12	**130071**	3.1	19-3/4	21-1/4	1	3/4

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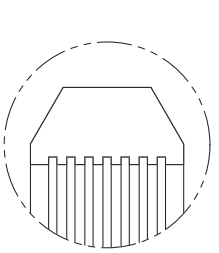
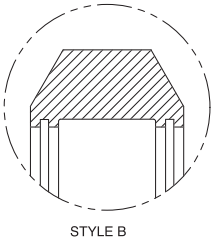
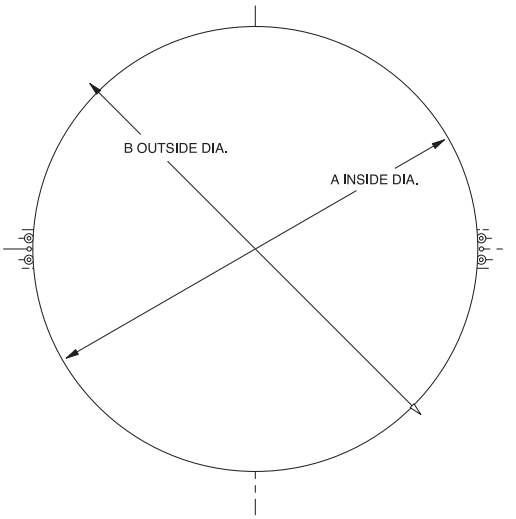
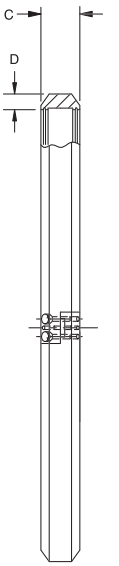
MODIFICATIONS/ACCESSORIES

SLEEVOIL RXT Pillow Blocks
2-15/16" THRU 12" Trapezoidal Section Oil Ring
SLEEVOIL ACCESSORIES









Ring No.	Shaft Size	Part Number	WT. (Lbs)	Style	Ø A	Ø B	C	D
3	2-15/16 3-7/16	**134796**	3.38	A	6-3/4	7-3/4	1	1/2
4	3-15/16 4-7/16	**134798**	4.10	A	8-1/4	9-3/8	1-9/64	9/16
5	4-15/16 5-7/16	**134800**	5.21	A	10-5/8	11-3/4	1-9/64	9/16
6	6 7	**134803**	5.65	B	12-1/2	13-5/8	1-9/64	9/16
8	8 9	**134806**	6.89	B	15-1/4	16-3/8	1-9/64	9/16
10	10 12	**134809**	8.25	B	18-1/4	19-3/8	1-9/64	9/16

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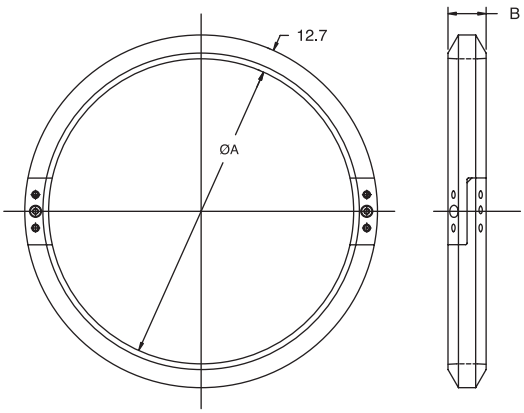
SLEEVOIL
9" THRU 22" SMOOTH BORE OIL RING DIN (METRIC)
FOR SLEEVOIL P SERIES PILLOW BLOCKS

SLEEVOIL
Size 9 Thru 22 Smooth Bore Oil Ring
For Sleevoil DIN P-Series Bearings



9" thru 22 Smooth Bore Oil Ring DIN (metric)
For SLEEVOIL P Series

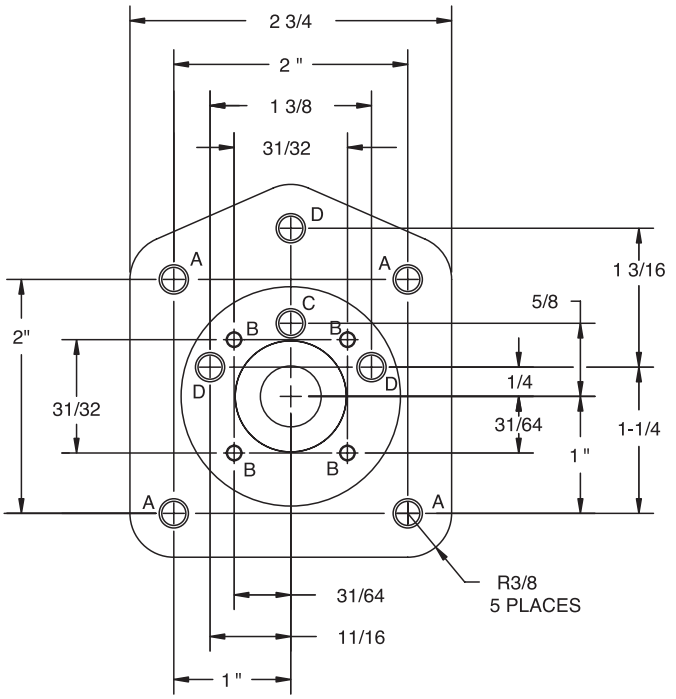
Bearing Size	Part Number	Bearing (WT (Kg)	Ø A	B
9	**135378**	1.0	162.6	21.3
11	**135379**	1.2	190.5	20.3
14	**135380**	1.8	230.0	24.9
18	**135381**	5.5	279.9	29.0
22	**135449**	7.7	342.9	31.8

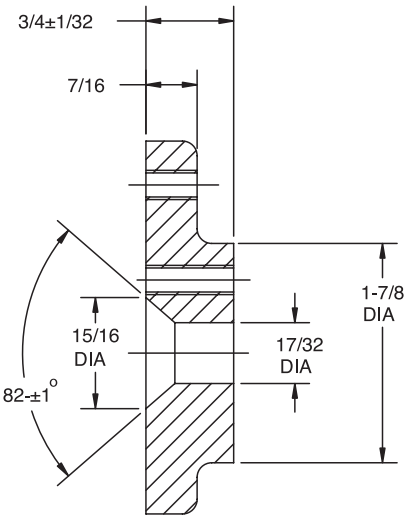
FEATURES/BENEFITS PAGE B14-3	SPECIFICATION/HTO PAGE B14-6	NOMENCLATURE PAGE B14-7	SELECTION/DIMENSIONS PAGE B14-16

MODIFICATIONS/ACCESSORIES

DODGE®

SLEEVOIL
VIBRATION DETECTOR ADAPTER KIT
PART NUMBER 430153



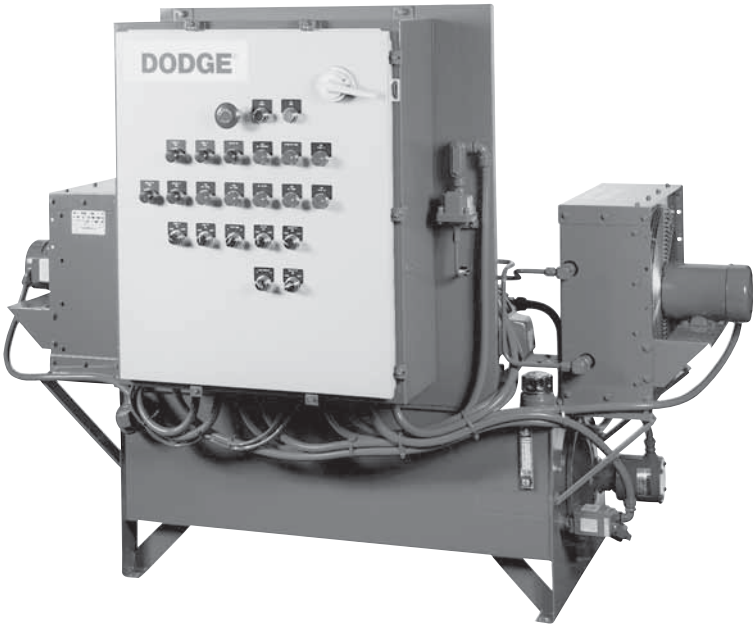


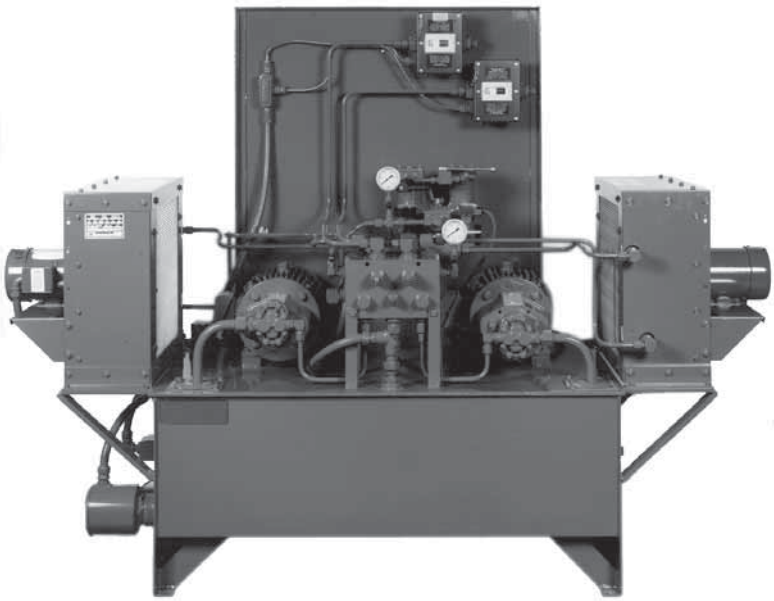
Vibration Detector adapter Kit
Part Number 430153
SLEEVOIL Accessories

(A)	Hole 5 (.2055) Dia. Drill Thru 1/4-20 Tap Thru	- A30935
(B)	Hole #32 (.116) Dia. Drill Thru 6-20 Tap Thru	- A30936
(C)	Hole 7/32 Dia. Drill Thru 1/4-28 Tap Thru	- A30937
(D)	Hole 5 (.2055) dia. Drill Thru 1/4-20 Tap Thru	- A30938

Blank Vibration Detector Adapter Kit
Part Number 433326
SLEEVOIL Accessories

SLEEVOIL
CIRCULATING OIL SYSTEMS





FEATURES/BENEFITS PAGE B14-3	SPECIFICATION/HTO PAGE B14-6	NOMENCLATURE PAGE B14-7	SELECTION/DIMENSIONS PAGE B14-16

MODIFICATIONS/ACCESSORIES

SLEEVOIL
CIRCULATING OIL SYSTEMS

Continuous Operation

10 to 150 Gallon Reservoirs
Dual pumps
Automatic switch over to stand-by pump
Suction filters at inlet to protect pumps
Water and Duplex and air coolers
Inline filter
Pump, cooler and filter can be switched without interruption
Differential pressure measurement across filters

Complete Electrical Panel

Push Buttons, Pilot lights for normal operation and alarm conditions
Automatic and manual operation modes
All electrical starters for motors and heaters
Control circuit transformer
All logic required for stand-by pump operation switchover
Contacts for remote signal transmission
All necessary motor fuses and overload protectors

Startup Protection

Reservoir Heater ensures proper oil temperature
Permissive start switch

Accurate Bearing Supply

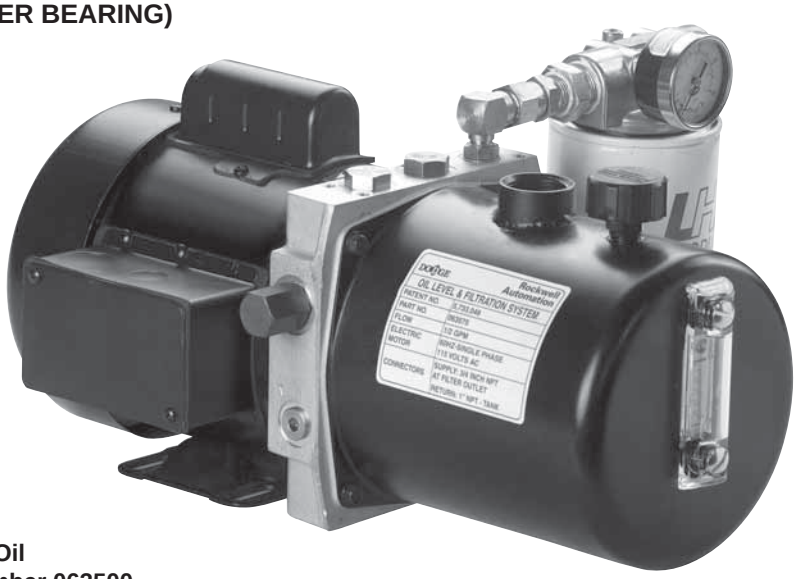
Individual bearing flow adjustment valves
DODGE engineered to match bearing needs
Pressure and temperature gauges

Easy Monitoring

High temperature alarm
Oil level alarm
Low pressure alarm
Reservoir sight gauge

The DODGE Circulating Oil System is custom engineered to support SLEEVOIL bearings

SLEEVOIL
OIL LEVEL AND FILTRATION SYSTEM (ONE UNIT PER BEARING)



Replacement Oil Filter Part Number 063500

Patent Number 5733048

OIL LEVEL AND FILTRATION SYSTEM (OLF SYSTEM) 60 HZ PART NUMBER IS **063575**
50 HZ OLF SYSTEM PART NUMBER IS **058219**

OIL LEVEL AND FILTRATION SYSTEM FITS ALL DODGE SLEEVOIL BEARINGS
Oil Inlet Connections On SLEEVOIL Bearings Are:

R SERIES BORE SIZES 1-7/16" - 3-7/16" ARE MACHINE READY FOR OIL LEVEL, AND LEVEL AND FILTRATION SYSTEM	
R SERIES BORE SIZES	**NEED CIRCULATING OIL GROMMET KIT PART NUMBER**
3-15/16"	**432153**
4-7/16"-4-15/16"	**430198**
5-7/16"-12"	**430155**
RTL SERIES BORE SIZES	**NEED CIRCULATING OIL GROMMET KIT PART NUMBER**
3-7/16" - 5-7/16"	**132203**
6" - 12"	**132205**

P Series Is Machined Ready For Oil Level And Level And Filtration System

NOTES

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- Adjustable Base Plates B15-42

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FEATURES/BENEFITS

Take-Up Frames

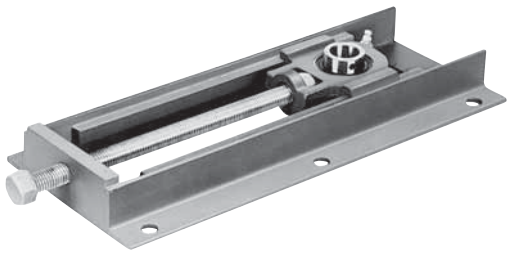
The flexibility of the ten basic take-up frames allow for the mounting of DODGE Ball, Roller, and Sleeve Bearings to encompass the vast range of conveyor, belt, and chain take-up applications.

Narrow Slot Take-Up Frame - NS

Five sizes of Narrow Slot Ball Bearing Take-Up Frames-Eleven (11) take-up frames with travels of 6 to 18 inches for:

- GT & GTM Narrow Slot Take-Up Bearings from 3/4” through 2-7/16” shaft size and metric 20mm to 60mm.
- SC, VSC & SCM Ball Bearing Take-Up Bearing from 1/2” through 2-7/16” shaft size, and metric 20 mm to 60 mm.
- SXV and SXR Ball Bearing Take-Up Bearing from 3/4” through 2-7/16” shaft size.
- DL Ball Bearing Take-Up Bearing from 3/4” through 1-7/16” shaft size.
- LT700 and LT1000 SOLIDLUBE Take-Up Bearing from 3/4” through 2-1/2” shaft size.

Wide Slot Take-Up Frame - WS



Six sizes of Wide Slot Ball Bearing Take-Up Frames-Thirty (30) take-up frames with travels of 1-1/2 to 30 inches for:

- GT & GTM Wide Slot Ball Bearings from 3/4” through 3” shaft size and metric 20mm to 75mm.
- SC, VSC and SCM Wide Slot Take-Up Bearings from 1/ 2” through 3" shaft size, and metric 20 mm to 75 mm.
- SXV and SXR Wide Slot Take-Up Bearings from 3/4” through 2-7/16” shaft size.
- DL Ball Bearing Take-Up Bearing from 1-7/16” through 1-15/16” shaft size.
- LT700 and LT1000 SOLIDLUBE Wide Slot Take-Up Bearing from 3/4” through 3" shaft size.

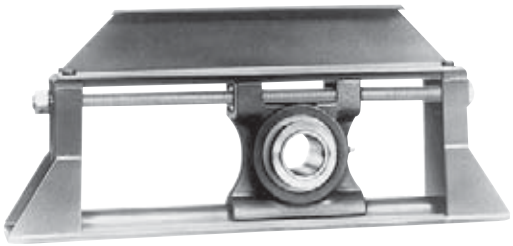
Top Angle Take-Up Frame - TP

Six sizes of Top Angle Take-Up Frames-Thirty-Six (36) Take-Up frames with travels of 12 to 48 inches for:

- GLT-700 & GLT-1000 Series (SOLIDLUBE Sleeve) Take-Up bearings from 1-15/16” through 3" shaft size.
- Type H (Babbitted Sleeve) Take-Up bearings from 1-15/16” through 3-15/16” shaft size.
- Type G (SC Ball Bearing) Take-Up bearings from 1-15/16” through 2-15/16” shaft size.
- Type GXR (SXR Ball Bearing) Take-Up bearings from 1-15/16” through 2-7/16” shaft size.
- Type GM (SCM Ball Bearing) Take-Up bearings from 1-11/16” through 3-1/2” shaft size.
- Type E (Tapered Roller) Take-Up bearings from 1-3/4” through 4" shaft size.
- Type K (Tapered Roller) Take-Up bearings from 1-3/4” through 3-15/16” shaft size.
- TP S2000 (Spherical Roller) Take-Up bearings from 1-7/8” through 5" shaft size.

Take-Up Frames

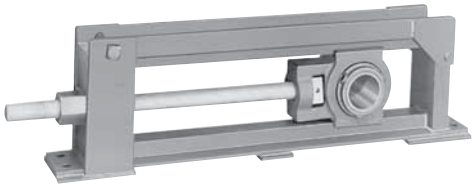
TPHU Take-Up Frame



Six sizes of TPHU Take-Up Frames-Twenty-Four (24) Take-Up frames with travels of 12 to 36 inches for:

- TPHU S-2000 (Spherical Roller) Take-Up Bearings from 1-7/8” through 4” shaft size.

Center Pull Take-Up Frame - CP



Nine sizes of Center Pull Wide Slot Take-Up Frames-Forty-five (45) take-up frames with travels of 12 to 36 inches for:

- Type E tapered wide slot bearing from 1-3/8” to 3" bore size.
- Type K tapered wide slot bearing from 1-3/8” to 3" bore size.
- S-2000 spherical wide slot bearing from 1-1/8” to 5" bore size.
- Imperial spherical wide slot bearing from 1-7/16” to 4” bore size.
- U.S. Patent No. 4,676,670

BRONZOIL Take-Up Frame - BOTU

One size of BRONZOIL®) Sleeve Bearing Take-Up-The BRONZOIL Take-Up is recommended for light-to-medium loads and for use at moderate speeds; such as package conveyors, light material handling installations, or other similar applications.

There are 6 take-ups from 1/2” through 1” shaft size with 4 inch travel.

FEATURES/BENEFITS

Take-Up Frames

Light Duty Take-Up Frame - LD

Six sizes of LD Protected Screw Take-Up Frames - Forty-Six (46) take-up frames with 6 to 48 inch travel for:

- SC/SCB (Ball Bearing) pillow blocks from 1/2” through 2-15/16” bore size.
- SXR/SXRB & SXV/SXVB (Ball Bearing) pillow blocks from 1/2” through 2-7/16” bore size
- DL/DLB (Ball Bearing) pillow blocks from 3/4” through 2-15/16” bore size.
- SCM (Ball Bearing) pillow blocks from 1-7/16” through 3-1/2” bore size.
- DLM (Ball Bearing) pillow blocks from 1” through 3-7/16” bore size
- Babbitted (Sleeve) Solid Journal bearing from 1/2” through 2-15/16” bore size.
- SOLIDLUBE (Sleeve) LT700 and LT1000 Series pillow blocks from 3/4” through 3” bore size.
- SOLIDLUBE (Sleeve) LTB700 and LTB1000 Series pillow blocks from 3/4” through 2-1/2” bore size.
- UNISPHERE (Spherical Roller) two (2) bolt base pillow block from 1-7/16” through 3-1/2” bore sizes.
- Imperial (Spherical Roller) two (2) bolt base pillow block from 1-7/16” through 3-15/16” bore size.
- SCH, SCH-E SXRH, SXRH-E, DLH, DLH-E SCMH SCMH-E, DLMH, DLMH-E.
- GT/GTB (Ball Bearing) pillow blocks from 1/2” through 2-15/16” bore size
- GTM (Ball Bearing) pillow blocks from 1” through 3-7/16” bore size

Take-Up Frames

Light Duty Take-Up Frame - LD

Eight sizes of HD Protected Screw Take-Up Frames-Forty-One (41) take-up frames with travels from 12 to 60 inches for:

- Angle Babbitted (Sleeve) pillow blocks from 1-15/16” through 5-15/16”, bore size.
- Angle Bronze Bushed (Sleeve) pillow blocks from 1-15/16” through 5-15/16”, bore size.
- Type E (Taper Roller) pillow blocks from 1-1/2” through 6" bore size.
- Type K (Taper Roller) pillow blocks from 1-1/2” through 3-15/16” bore size.
- K/DI (Taper Roller) pillow blocks from 1-1/2” through 5" bore size.
- Type C (Taper Roller) pillow blocks from 1-11/16” through 5" bore size.
- Special Duty (Taper Roller) pillow blocks from 2-11/16” through 6" bore size.
- SOLIDLUBE (Sleeve) MM700 and MM1000 Series pillow blocks from 3-7/16” through 5" bore size.
- SAF-XT, TAF, ISAF, etc. (Spherical and Tapered Roller) pillow blocks from 1-15/16” through 5-1/2” bore size and larger.
- USAF, SAFS spherical pillow blocks, 2-bolt and 4-bolt from 2-7/16” through 5-1/2” bore size.
- S2000 spherical pillow blocks, 2-bolt and 4-bolt from 1-7/8” through 5" bore size.
- UNISPHERE (Spherical Roller) pillow block 2-bolt base from 1-15/16” through 4" bore sizes.
- Imperial (Spherical roller) pillow block 2-bolt and 4-bolt from 1-15/16” through 4-15/16” bore size.
- For larger bore bearings use HD600 or HD650, consult DODGE.

Base Plates

Adjustable base plate for adjusting shaft height for Type C, Special Duty, all Steel TAF, SAF-XT, USAF, and SAFS Pillow Blocks.

HOW TO ORDER

Take-Up Frames

There are two ways to specify DODGE Take-Up Frames. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B15-7 and add any special instructions to the end of the description for options not covered by the nomenclature.

NOTE: All Take-Up Frames, except Bronzoil Take-Ups, are without the Take-Up Bearings. Thus, for a complete Take-Up; order a Take-Up Frame and Take-Up Bearing.

The HD Protected Screw Take-Up Frames

HD 200 through HD 350 Take-Up frames will accommodate pillow blocks on saddles which are slotted for two-bolt Pillow Blocks and may be ordered by part numbers. When using four-bolt Pillow Blocks; or on HD frames 400 and larger, please supply:

1. Bore size of pillow block
2. Type of block (Type E, Double Interlock, SAF-XT, etc.)
3. Whether pillow block is two-or four-bolt style
4. Frame Travel

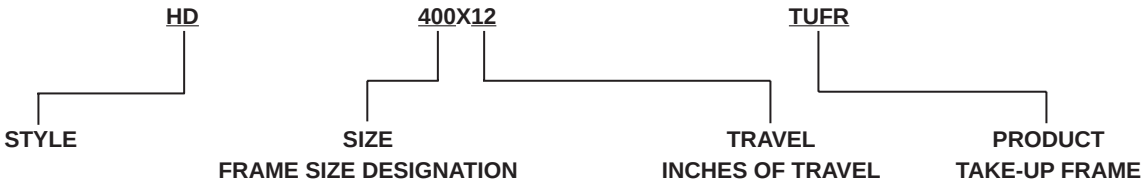
Modifications:

For OEM special Take-Up Frames consult DODGE.

Certain modifications are available such as Stainless Steel Screw And Hydraulically Actuated.

NOMENCLATURE

Take-Up Frames and Base Plates



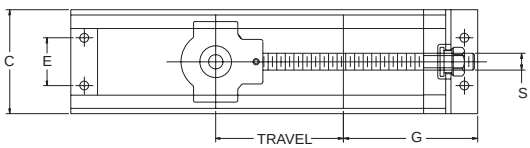
CP	Center Pull Wide Slot Take-Up Frame
WS	Wide Slot Ball Bearing Take-Up Frame
NS	Narrow Slot Ball Bearing Take-Up Frame
LD	Light Duty Protected Screw Take-Up Frame
TU	Take-Up
HD	Heavy Duty Protected Screw Take-Up Frame
TP	Top Angle Take-Up Frame
TPHU	Top Angle Heavy Duty Universal Take-Up Frame
TUA	Type A Babbitted Take-Up Bearing
TUB	Type B Babbitted Take-Up Bearing
BOTU	BRONZOIL Take-Up
FR	Frame
SSS	Stainless Steel Screw
ABP	Adjustable Base Plates

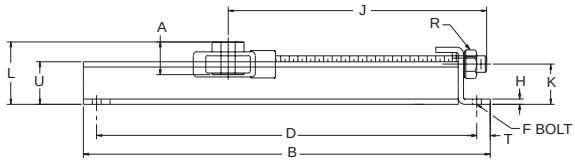
TU = Take-Up When Used As An Abbreviation Through This Section

SELECTION/DIMENSIONS

Take-Up Frames -NS

NARROW SLOT BALL BEARING TAKE-UP FRAMES





Frame Description	Part No.	Wt. (Lbs.)	A	B	C	D	E	F Base Bolt		G
								No.	Dia.	
NS-210x6-TUFR	**038109**	5.5	See page B15-10 for list of reference pages for Take-Up Bearings	13-5/8	3-13/16	12-1/8	1-5/8	4	1/2	4-7/8
NS-308x6-TUFR	**038110**	5.8		13-5/8	4-11/16	12-1/8	2-1/4	4	1/2	5-3/8
NS-308x12-TUFR	**038111**	8.0		19-5/8		18-1/8				
NS-400x6-TUFR	**038112**	9.2		14-9/16	6-1/16	13-1/16	2-1/2	4	1/2	6
NS-400x9-TUFR	**038113**	11.3		18-5/8		17-1/8				
NS-400x12-TUFR	**038114**	12.5		20-9/16		19-1/16				
NS-400x18-TUFR	**038115**	16.3		27-5/8		26-1/8				
NS-407x9-TUFR	**038116**	13.1		19-1/8	6-1/2	17-3/8	2-3/4	4	5/8	7-1/8
NS-407x18-TUFR	**038117**	18.6		28-1/8		26-3/8				
NS-415x9-TUFR	**038118**	15.5		19-1/8	7	17-3/8	3	4	5/8	7-3/8
NS-415x18-TUFR	**038119**	19.0		28-1/8		26-3/8				

Frame Description	H	J	K	L	R Hex	S	T	U	Channel
NS-210x6-TUFR	1/4	11-1/32	1-13/32	See Table on Page B15-9 for "L" Dim.	1-5/16	3/4-10	3/4	1-1/2	1-1/2 x 9/16 x 3/16
NS-308x6-TUFR	1/4	10-13/16	1-13/32		1-5/16	3/4-10	3/4	1-1/2	1-1/2 x 9/16 x 3/16
NS-308x12-TUFR		16-13/16							
NS-400x6-TUFR	1/4	11-1/16	1-7/8		1-1/2	7/8-9	3/4	2	2 x 1 x 3/16
NS-400x9-TUFR		14-1/16							
NS-400x12-TUFR		17-1/16							
NS-400x18-TUFR		23-1/16							
NS-407x9-TUFR	5/16	15-19/32	1-7/8		1-5/8	1-8	1	2	2 x 1 x 3/16
NS-407x18-TUFR		24-19/32							
NS-415x9-TUFR	5/16	15-27/32	1-7/8		1-5/8	1-8	1	2	2 x 1 x 3/16
NS-415x18-TUFR		24-27/32							

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

Take-Up Frames - Narrow Slot Frame
L DIMENSION

Series	Shaft Size	Take Up Frame No. Ref.	L					
			SC	VSC	SXR	SXV	DL	GT
204	1/2 5/8 3/4	NS-210	2-9/64	2-9/64	2-35/64	2-11/32	2-3/16	2-25/64
205	7/8 15/16 1	NS-210	2-3/16	2-11/64	2-37/64	2-21/64	2-9/32	2-23/64
206	1-1/16 1-1/8 1-3/16 1-1/4	NS-308	2-11/32	2-5/16	2-21/32	2-15/32	2-7/8	2-31/64
207	1-1/4 1-5/16 1-3/8 1-7/16	NS-308	2-15/32	2-7/16	2-3/4	2-9/16	2-15/32	2-15/32
208	1-1/2 1-5/8	NS-400	3-1/64	2-31/32	3-11/32	3-5/32	3-1/8	3-1/16
209	1-5/8 1-11/16 1-3/4	NS-400	3-3/64	3	3-11/32	3-5/32	3-1/8	3-1/16
210	1-15/16 2	NS-400	3-5/64	3-1/32	3-15/32	3-5/32	3-7/32	3-5/64
211	2 2-3/16 2-1/4	NS-407	3-9/64	3-31/32	3-45/64	3-5/16	3-1/4	3-3/32
212	2-1/4 2-7/16	NS-415	3-15/64	n/a	3-29/32	n/a	3-1/2	3-7/32

Series	Shaft Size	Take Up Frame No. Ref.	L		
			SCM	DLM	GTM
206	1	NS-308	2-11/32	2-13/32	2-31/64
207	1-3/16 1-1/4	NS-308	2-31/64	2-15/32	2-15/32
208	1-7/16	NS-400	2-31/32	3-1/8	3-1/16
209	1-1/2 1-5/8	NS-400	3	3-1/8	3-1/16
210	1-11/16 1-3/4	NS-400	3-1/32	3-7/32	3-5/64
211	1-15/16 2	NS-407	3-7/64	3-1/4	3-3/32
212	2-3/16 2-1/4	NS-415	3-3/16	3-1/2	3-7/32

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

SELECTION/DIMENSIONS

Narrow Slot (NS) Take-Up Frame Bearings

NORMAL DUTY
SETSCREW - SC, VSC
D-LOK - DL
ECCENTRIC LOCK - SXR, SXV
GRIP TIGHT - GT

Series	Shaft Size	Frame Size
204	1/2 5/8 3/4 20mm	NS-210
205	7/8 15/16 1 25mm	NS-210
206	1-1/16 1-1/8 1-3/16 1-1/4 30mm	NS-308
207	1-1/4 1-5/16 1-3/8 1-7/16 35mm	NS-308
208	1-1/2 1-5/8 40mm	NS400
209	1-5/8 1-11/16 1-3/4 45mm	NS-400
210	1-15/16 2 50mm	NS-400
211	2 2-3/16 2-1/4 55mm	NS-407
212	2-1/4 2-7/16 60mm	NS-415

- Narrow Slot Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Grip Tight (GT and GTM) - B2-68 to B2-73
- Setscrew (SC, SCM & VSC) - B3-90 to B3-97
- Eccentric Lock (SXR and SXV) -B4-60 to B4-69
- D-LOK (DL and DLM) - B5-44 to B5-47
- Solid Lube (LT and LT1000) - B13-24
- See B15-8 For Narrow Slot Take-Up Frame Travel Options And Part Numbers

MEDIUM DUTY
SETSCREW - SCM
D-LOK - DLM
GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
206	1 25mm	NS308
207	1-3/16 1-1/4 30mm	NS-308
208	1-7/16 35mm	NS-400
209	1-1/2 40mm	NS-400
210	1-11/16 1-3/4 45mm	NS-400
211	1-15/16 2 50mm	NS-407
212	2-3/16 2-1/4 55mm	NS-415

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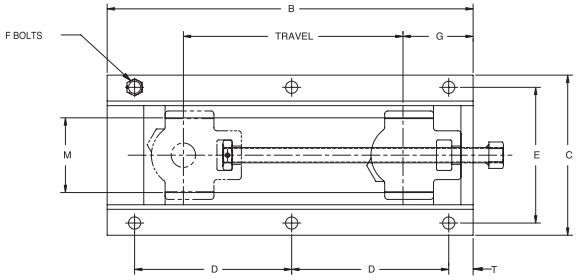
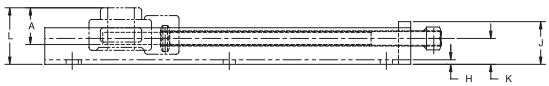
Take-Up Frames - WS

WIDE SLOT BALL BEARING TAKE-UP FRAMES





Frame Description	Part No.	Wt.	A	B	C	D	E	F		G	H	J	K	M	S Screw Dia.	T
								No.	Dia.							
WS-300X1-1/2-TUFR	**038200**	4.8	See chart on page B15-13 for list of reference pages for Take-Up Bearings	7-1/2	6-9/16	5-3/8	5-9/16	4	7/16	2-15/16	3/16	1-3/4	1-1/16	3-1/16	5/8	1
WS-300X3-TUFR	**038201**	5.5		9		6-7/8		4								
WS-300X6-TUFR	**038202**	7		12		4-15/16		6								
WS-300X9-TUFR	**038203**	8.5		15		6-7/16		6								
WS-300X12-TUFR	**038204**	10		18		7-15/16		6								
WS-308X3-TUFR	**038205**	7.5		9-1/8	7-1/16	6-7/16	6-1/16	4	7/16	3-11/16	3/16	2	1-1/4	3-9/16	3/4	1
WS-308X6-TUFR	**038206**	9		12-1/8		9-7/16		4								
WS-308X9-TUFR	**038207**	10.5		15-1/8		6-7/32		6								
WS-308X12-TUFR	**038208**	12		18-1/8		7-23/32		6								
WS-308X18-TUFR	**038209**	15		24-1/8		10-23/32		6								
WS-400X3-TUFR	**038210**	11.5		10-3/4	8-13/16	8-1/2	7-5/16	4	1/2	4-5/16	3/16	2-1/4	1-7/16	4-1/16	1	1-1/8
WS-400X6-TUFR	**038211**	14		13-3/4		11-1/2		4								
WS-400X9-TUFR	**038212**	16.5		16-3/4		7-1/4		6								
WS-400X12-TUFR	**038213**	19		19-3/4		8-3/4		6								
WS-400X18-TUFR	**038214**	24		25-3/4		11-3/4		6								
WS-502X6-TUFR	**038215**	20	See Table on Page B15-12 for "L" Dim.	14-3/4	10-7/16	12-1/2	8-5/8	4	9/16	5-11/16	3/16	2-1/2	1-1/2	5-3/16	1-1/4	1-1/8
WS-502X9-TUFR	**038216**	23.5		17-3/4		15-1/2		4								
WS-502X12-TUFR	**038217**	27		20-3/4		9-1/4		6								
WS-502X15-TUFR	**038218**	30.5		23-3/4		10-3/4		6								
WS-502X18-TUFR	**038219**	34		26-3/4		12-1/4		6								
WS-502X24-TUFR	**038220**	41		32-3/4		15-1/4		6								
WS-515X9-TUFR	**038221**	36		20-7/8	12	17-1/2	10-1/4	4	5/8	6-1/2	1/4	3	2	6	1-1/2	2-1/2
WS-515X12-TUFR	**038222**	41		23-7/8		10-1/4		6								
WS-515X18-TUFR	**038223**	51		29-7/8		13-1/4		6								
WS-515X24-TUFR	**038224**	61		35-7/8		16-1/4		6								
WS-515X30-TUFR	**038225**	71		41-7/8		19-1/4		6								
WS-608X12-TUFR	**038226**	41		23-7/8	12-9/16	10-1/4	10-13/16	6	5/8	6-1/2	1/4	3	2	6-9/16	1-1/2	2-1/2
WS-608X18-TUFR	**038227**	51		29-7/8		13-1/4		6								
WS-608X24-TUFR	**038228**	61		35-7/8		16-1/4		6								
WS-608X30-TUFR	**038229**	71		41-7/8		19-1/4		6								

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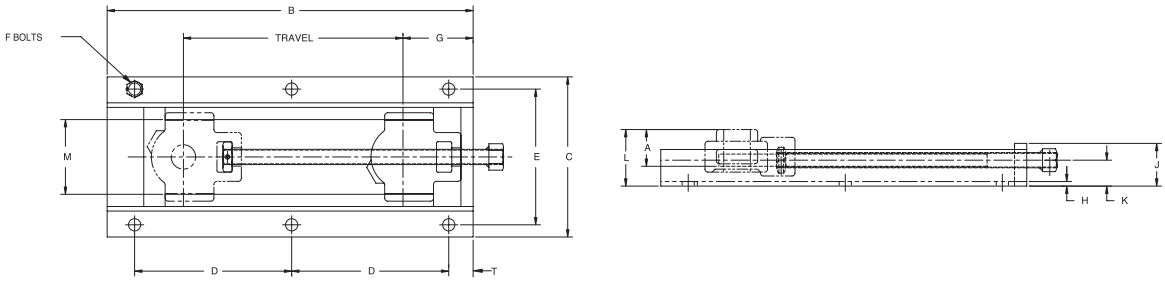
SELECTION/DIMENSIONS

Take-Up Frames - WS

ULTRA KLEEN (Stainless Steel) WIDE SLOT BALL BEARING TAKE-UP FRAME



Frame Description	Part No.	Wt.	A	B	C	D	E	F		G	H	J	K	M	S Screw Dia.	T
								No.	Dia.							
WSEZ-300X3-TUFR-SSS	**038070**	6	See page B1-74 to B1-79 for E-Z KLEEN Wide Slot Take-Up Bearings	9	6-9/16	6-7/8	5-9/16	4	1/2	2-15/16	3/16	1-3/4	1-1/16	3-1/16	5/8	1
WSEZ-300X6-TUFR-SSS	**038071**	7.9		12		4-15/16		6								
WSEZ-300X9-TUFR-SSS	**038072**	9.8		15		6-7/16		6								
WSEZ-300X12-TUFR-SSS	**038073**	11.7		18		7-15/16		6								
WSEZ-308X3-TUFR-SSS	**038074**	7.3		9-1/8	7-1/16	6-7/16	6-1/16	4	1/2	3-11/16	3/16	2	1-1/4	3-9/16	3/4	1
WSEZ-308X6-TUFR-SSS	**038075**	9.4		12-1/8		9-7/16		4								
WSEZ-308X9-TUFR-SSS	**038076**	11.4		15-1/8		6-7/32		6								
WSEZ-308X12-TUFR-SSS	**038077**	13.4		18-1/8		7-23/32		6								
WSEZ-308X18-TUFR-SSS	**038078**	17.4		24-1/8		10-23/32		6								

See table on page B15-13 for “L” dimension.

DODGE®

Take-Up Frames - Wide Slot Frame

L DIMENSION

Series	Shaft Size	Take Up Frame No. Ref.	L				
			VSC SC	SXR	SXV	DL	GT
204	1/2 5/8 3/4	WS-300	1-51/64	2-1/8	1-63/64	1-27/32	2-3/64
205	7/8 15/16 1	WS-300	1-53/64	2-9/64	1-63/64	1-15/16	2-1/64
206	1-1/16 1-1/8 1-3/16 1-1/4	WS-308	2-5/32	2-7/16	2-19/64	2-1/4	2-21/64
207	1-1/4 1-5/16 1-3/8 1-7/16	WS-308	2-9/32	2-35/64	2-13/32	2-5/16	2-5/16
208	1-1/2 1-5/8	WS-400	2-17/32	2-13/64	2-17/32	2-11/16	2-5/8
209	1-5/8 1-11/16 1-3/4	WS-400	2-9/16	2-13/16	2-23/32	2-11/16	2-5/8
210	1-15/16 2	WS-400	2-19/32	2-13/16	2-23/32	2-25/32	2-41/64
211	2 2-3/16 2-1/4	WS-502	2-23/32	3-47/64	2-15/16	2-7/8	2-23/32
212	2-1/4 2-7/16	WS-502	2-13/16	3-11/32	n/a	3-1/8	2-27/32
215	2-15/16	WS-515	3-15/32	3-21/32	n/a	3-1/2	3-43/64

Series	Shaft Size	Take Up Frame No. Ref.	L		
			SCM	DLM	GTM
206	1	WS-308	2-5/32	2-1/4	2-21/64
207	1-3/16 1-1/4	WS-308	2-9/32	2-5/16	2-5/16
208	1-7/16	WS-400	2-17/32	2-11/16	2-5/8
209	1-1/2	WS-400	2-9/16	2-11/16	2-5/8
210	1-11/16 1-3/4	WS-400	2-19/32	2-25/32	2-41/64
211	1-15/16 2	WS-502	2-23/32	2-7/8	2-23/32
212	2-3/16 2-1/4	WS-502	2-13/16	3-1/8	2-27/32
214	2-7/16 2-1/2	WS-515	3-7/16	3-3/4	3-33/64
215	2-11/16	WS-515	3-15/32	3-1/2	3-43/64
216	2-15/16 3	WS-608	3-1/2	3-41/64	3-55/64

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SELECTION/DIMENSIONS

Wide Slot (WS) Take-Up Frame Bearings

NORMAL DUTY
SETSCREW - SC, VSC
D-LOK - DL
ECCENTRIC LOCK - SXR, SXV
GRIP TIGHT - GT

Series	Shaft Size	Frame Size
204	1/2 5/8 3/4 20mm	WS-300
205	7/8 15/16 1 25mm	WS-300
206	1-1/16 1-1/8 1-3/16 1-1/4 30mm	WS-308
207	1-1/4 1-5/16 1-3/8 1-7/16 35mm	WS-308
208	1-1/2 1-5/8 40mm	WS-400
209	1-5/8 1-11/16 1-3/4 45mm	WS-400
210	1-15/16 2 50mm	WS-400
211	2 2-3/16 2-1/4 55mm	WS-502
212	2-1/4 2-7/16 60mm	WS-502
214	2-1/2 2-11/16 70mm	WS-515
215	2-15/16 75mm	WS-515

- Wide Slot Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- EZ-KLEEN Polymer Housing - B1-74
- Grip Tight (GT & GTM) - B2-74 to B2-81
- Setscrew (SC, SCM & VSC) - B3-98 to B3-109
- Eccentric Lock (SXR and SXV) - B4-64 to B4-77
- D-LOK (DL and DLM) - B5-48 to B5-51
- Solid Lube (LT and LT1000) - B14-26
- See B15-11 For Wide Slot Take-Up Frame Travel Options And Part Numbers

MEDIUM DUTY
SETSCREW - SCM, VSC
D-LOK - DLM
GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
206	1 25mm	WS-308
207	1-3/16 1-1/4 30mm	WS-308
208	1-7/16 35mm	WS-400
209	1-1/2 40mm	WS-400
210	1-11/16 1-3/4 45mm	WS-400
211	1-15/16 2 50mm	WS-502
212	2-3/16 2-1/4 55mm	WS-502
214	2-7/16 2-1/2	WS-515
215	2-11/16 70mm	WS-515
216	2-15/16 3 75mm	WS-608

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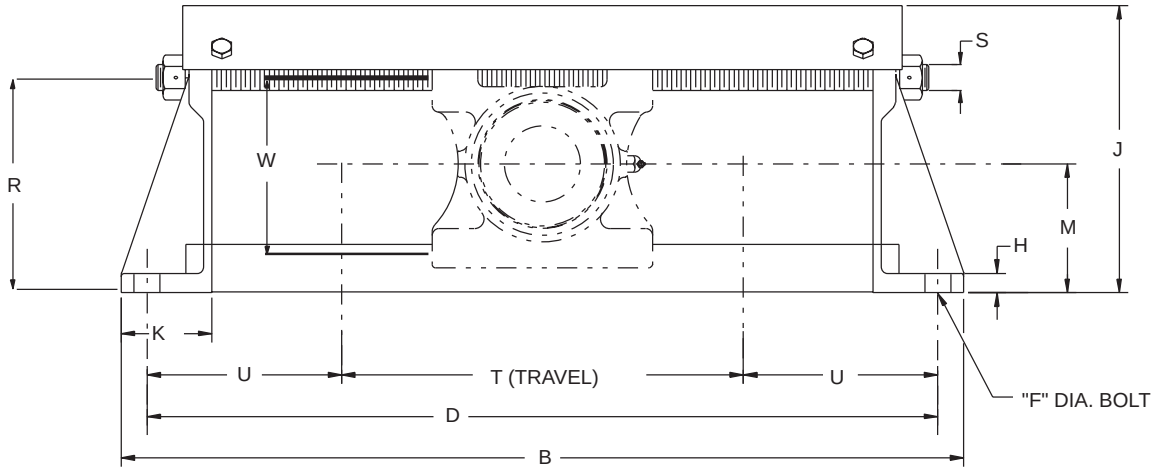
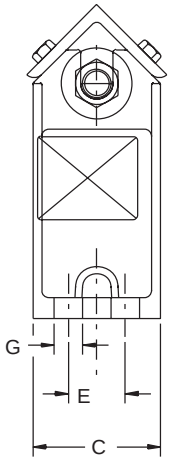
Take-Up Frames - TP

TOP ANGLE PROTECTED SCREW TAKE-UP FRAMES





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SELECTION/DIMENSIONS

Take-Up Frames - TP

TOP ANGLE PROTECTED SCREW TAKE-UP FRAMES

Frame Size	Nominal Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia.	G	H
TP10	12	**036350**	32	28-1/2	3-1/2	26-1/2	-	5/8	1	3/4
	18	**036351**	36	34-1/2		32-1/2				
	24	**036352**	41	40-1/2		38-1/2				
TP20	12	**036353**	34	29-1/2	3-1/2	27-1/2	-	5/8	1	3/4
	18	**036354**	39	35-1/2		33-1/2				
	24	**036355**	43	41-1/2		39-1/2				
TP30	12	**036356**	47	30-1/2	4	28-1/2	-	3/4	1-5/16	3/4
	18	**036357**	54	36-1/2		34-1/2				
	24	**036358**	60	42-1/2		40-1/2				
TP40	12	**036359**	52	32-1/2	4-1/2	30-1/2	2	5/8	1	3/4
	18	**036360**	60	38-1/2		36-1/2				
	24	**036361**	66	44-1/2		42-1/2				
TP50	12	**036362**	63	34-1/2	4-1/2	32	2	3/4	1	3/4
	18	**036363**	70	40-1/2		32				
	24	**036364**	79	46-1/2		44				
TP60	12	**036365**	84	38-1/2	5-1/2	36	2-1/2	3/4	1	3/4
	18	**036366**	92	44-1/2		42				
	24	**036367**	102	50-1/2		48				

Frame Size	Nominal Travel	Part No.	J	K	M	R	S Screw Dia.	T	U	W
TP10	12	**036350**	8-1/2	3	3-15/16	6-11/32	3/4	14-1/2	6	5-5/32
	18	**036351**		3				20-1/2		
	24	**036352**		3				26-1/2		
TP20	12	**036353**	9-1/8	3	4-3/16	6-31/32	3/4	15	6-1/4	5-25/32
	18	**036354**		3				21		
	24	**036355**		3				27		
TP30	12	**036356**	10-1/8	3-1/2	4-3/8	7-3/8	1	14-1/2	7	6-3/16
	18	**036357**		3-1/2				20-1/2		
	24	**036358**		3-1/2				26-1/2		
TP40	12	**036359**	11-1/16	3-1/2	4-15/16	8-3/8	1	15-1/2	7-1/2	7-3/16
	18	**036360**		3-1/2				21-1/2		
	24	**036361**		3-1/2				27-1/2		
TP50	12	**036362**	12-1/2	4	5-7/16	9-13/32	1-1/4	15	8-1/2	8-7/32
	18	**036363**		4				21		
	24	**036364**		4				27		
TP60	12	**036365**	14-1/4	4-1/2	7	11-11/32	1-1/4	16-1/2	9-5/8	8-29/32
	18	**036366**		4-1/2				22-1/2		
	24	**036367**		4-1/2				28-1/2		

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

Top Angle (TP) Take-Up Frame Bearings

BALL BEARINGS

NORMAL DUTY
SETSCREW - SC, VSC
D-LOK - DL
ECCENTRIC LOCK - SXR, SXV
GRIP TIGHT-GT

Series	Shaft Size	Frame Size
210	1-15/16 2	TP-10
211	2-3/16 2-1/4	TP-20
212	2-7/16	TP-30
215	2-15/16	TP-40

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Grip Tight (GT & GTM) -B2-82 to B2-85
- Setscrew (SC, SCM & VSC) - B3-110 to B3-113
- Eccentric Lock (SXR and SXV) - B4-68 to B4-69
- D-LOK (DL and DLM) - B5-52 to B5-55
- See B15-15 and B15-16 For Top Angle Take-Up Frame Travel Options And Part Numbers.

MEDIUM DUTY
SETSCREW - SCM
D-LOK - DLM
GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
210	1-11/16 1-3/4	TP-10
211	1-15/16 2	TP-20
212	2-3/16 2-1/4	TP-30
214	2-7/16 2-1/2	TP-40
215	2-11/16	TP-40
216	2-15/16 3	TP-50
218	3-7/16 3-1/2	TP-60

TAPERED ROLLER BEARINGS

TYPE E

Shaft Size	Frame Size
1-3/4 1-7/8 1-15/16 2	TP-10
2-3/16	TP-20
2-1/4 2-7/16 2-1/2	TP-30
2-11/16 2-3/4 2-15/16 3	TP-40
3-3/16 3-1/4 3-7/16 3-1/2	TP-50
3-15/16 4	TP-60

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Type E - B6-32
- Type K - B6-42
- See B15-15 and B15-16 For Top Angle Take-Up Frame Travel Options And Part Numbers.

TYPE K

Shaft Size	Frame Size
1-3/4 1-15/16 2	TP-10
2-3/16	TP-20
2-1/4 2-7/16 2-1/2	TP-30
2-11/16 2-3/4 2-15/16 3	TP-40
3-3/16 3-7/16 3-1/2	TP-50
3-15/16	TP-60

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

SELECTION/DIMENSIONS

DODGE®

Top Angle (TP) Take-Up Frame Bearings

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-15/16 2	TP-10
2-3/16	TP-30
2-7/16	TP-40
2-11/16 2-15/16 3	TP-40
3-7/16	TP-50
3-15/16	TP-60

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- S-2000- B8-40
- See B15-15 and B15-16 For Top Angle Take-Up Frame Travel Options And Part Numbers.

SLEEVE BEARINGS

SOLID LUBE BEARING
LT-700
LT-1000

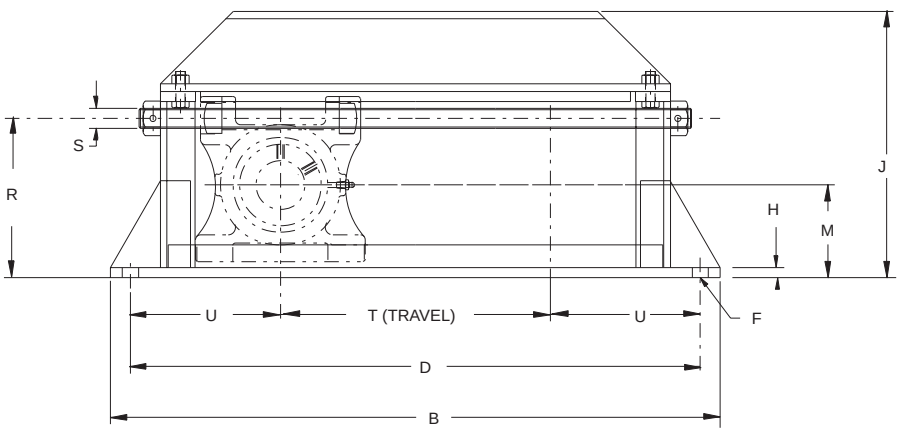
Shaft Size	Frame Size
1-15/16 2	TP-10
2-3/16	TP-20
2-7/16 2-1/2	TP-30
2-15/16 3	TP-40

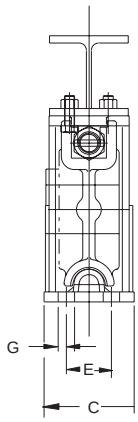
- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- SOLIDLUBE Sleeve Bearing (LT7 & LT10) - B13-14
- Type H Babbitted Bearing - B13-48
- See B15-15 and B15-16 For Top Angle Take-Up Frame Travel Options And Part Numbers.

BABBITTED BEARING
TYPE H

Shaft Size	Frame Size
1-15/16	TP-10
2-3/16	TP-10
2-7/16	TP-30
2-15/16	TP-30
3-7/16	TP-50
3-15/16	TP-50

Take-Up Frames - TPHU





Shaft Size	Frame Size	Nom. Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia	G
1-7/8		12	**013497**	58	29-1/2		27-1/2			
1-15/16	TPHU110	18	**013498**	70	35-1/2	3-1/2	33-1/2	-	5/8	11/16
2		24	**013499**	82	41-1/2		39-1/2			
		12	**013900**	71	29-1/2		27-1/2			
2-3/16 2-1/4	TPHU120	18	**013901**	85	35-1/2	4-1/2	33-1/2	-	5/8	11/16
		24	**013902**	99	41-1/2		39-1/2			
2-3/8		12	**013903**	73	30-1/2		28-1/2			
2-7/16	TPHU130	18	**013904**	86	36-1/2	4-1/2	34-1/2	-	3/4	13/16
2-1/2		24	**013905**	99	42-1/2		40-1/2			
		12	**013906**	80	32-1/2		30-1/2			
		18	**013907**	93	38-1/2		36-1/2			
2-11/16 2-3/4 2-15/16 3	TPHU140	24	**013908**	106	44-1/2	4-1/2	42-1/2	2	5/8	11/16
		30	**013909**	119	50-1/2		48-1/2			
		36	**013910**	132	56-1/2		54-1/2			
		12	**013511**	91	34-1/4		32			
		18	**013512**	105	40-1/4		38			
3-3/16 3-1/4 3-7/16 3-1/2	TPHU150	24	**013513**	119	46-1/4	4-1/2	44	2	3/4	13/16
		30	**013514**	133	52-1/4		50			
		36	**013515**	147	58-1/4		56			
		12	**013916**	132	38-1/2		36			
		18	**013917**	150	44-1/2		42			
3-11/16 3-15/16 4	TPHU160	24	**013918**	168	50-1/2	5-1/2	48	2-1/2	3/4	13/16
		30	**013519**	186	56-1/2		54			
		36	**013520**	204	62-1/2		60			

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SELECTION/DIMENSIONS

DODGE®

Take-Up Frames - TPHU

Shaft Size	Frame Size	Nom. Travel	Part No.	H	J	M	R	S Screw Dia.	T Max. Travel	U
1-7/8 1-15/16 2	TPHU110	12 18 24	**013497** **013498** **013499**	1/2	10-5/8	3-15/16	6-5/16	3/4	13-1/2 19-1/2 25-1/2	7-3/4
2-3/16 2-1/4	TPHU120	12 18 24	**013900** **013901** **013902**	1/2	11-1/4	4-7/16	7-7/16	1	13-1/2 19-1/2 25-1/2	7
2-3/8 2-7/16 2-1/2	TPHU130	12 18 24	**013903** **013904** **013905**	1/2	11-3/4	4-5/8	7-61/64	1	13-1/2 19-1/2 25-1/2	7-1/2
2-11/16 2-3/4 2-15/16 3	TPHU140	12 18 24 30 36	**013906** **013907** **013908** **013909** **013910**	3/4	12-5/16	5-1/8	8-1/2	1	15-1/2 21-1/2 27-1/2 33-1/2 39-1/2	7-1/2
3-3/16 3-1/4 3-7/16 3-1/2	TPHU150	12 18 24 30 36	**013511** **013512** **013513** **013514** **013515**	3/4	13-27/32	5-5/8	9-23/32	1-1/4	15-1/2 21-1/2 27-1/2 33-1/2 39-1/2	8-1/4
3-11/16 3-15/16 4	TPHU160	12 18 24 30 36	**013916** **013917** **013918** **013519** **013520**	1	17	7	11-5/8	1-1/4	16-1/2 22-1/2 28-1/2 34-1/2 40-1/2	9-3/4

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-15/16 2	TPHU-110
2-3/16	TPHU-120
2-7/16	TPHU-130
2-11/16 2-15/16 3	TPHU-140
3-7/16	TPHU-150
3-15/16	TPHU-160

- TPHU Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- S-2000- B8-40
- See B15-19 and B15-20 For TPHU Take-Up Frame Travel Options And Part Numbers.

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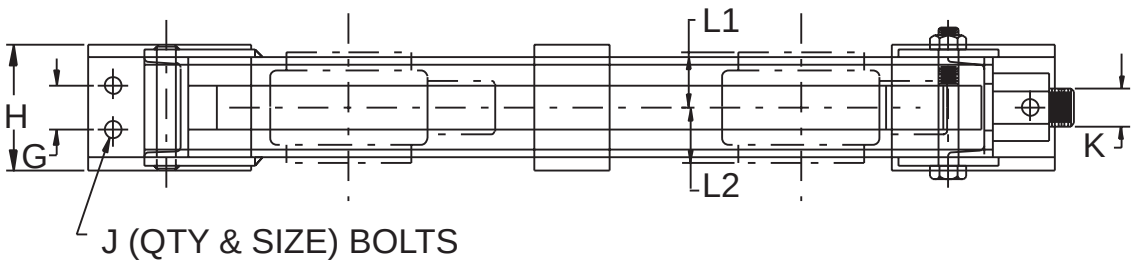
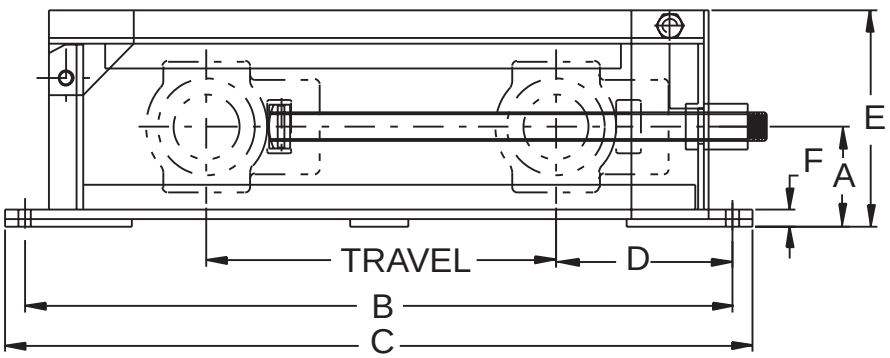
Take-Up Frames - CP

CENTER PULL (CP)



U.S. Patent No. 4,676,670



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SELECTION/DIMENSIONS

DODGE®

Take-Up Frames - CP
CENTER PULL (CP)

Frame Size	Travel	Frame Part Number	Frame Weight	Travel Maximum S2 & IP	Travel Maximum Type E & K	A	B	C	D S2000 Imperial	D Type K & E	E	F	G	H	J Qty.	J Size Dia.	K	L1 & L2
CP308	12	**019200**	30	15-15/32	15-15/32		26	28									3/4-10NC	
CP308	18	**019201**	34	21-15/32	21-15/32		32	64									3/4-10NC	
CP308	24	**019202**	38	27-15/32	27-15/32	3-7/16	38	40	6	6	7	11/16	..	3	2	1/2	3/4-10NC	
CP308	30	**019203**	42	33-15/32	33-15/32		44	46									3/4-10NC	
CP308	36	**019204**	46	39-15/32	39-15/32		50	52									3/4-10NC	
CP400	12	**019210**	55	14-27/32	14-23/32		27-1/2	29-1/2									1-8NC	
CP400	18	**019211**	65	20-27/32	20-23/32		33-1/2	35-1/2									1-8NC	
CP400	24	**019212**	75	26-27/32	26-23/32	3-15/16	39-1/2	41-1/2	7-1/4	7-1/4	8-5/8	13/16	..	4	2	5/8	1-8NC	
CP400	30	**019213**	85	32-27/32	32-23/32		45-1/2	47-1/2									1-8NC	
CP400	36	**019214**	95	38-27/32	38-23/32		51-1/2	53-1/2									1-8NC	
CP408	12	**019220**	61	14-5/32	14-3/32		27-1/2	29-1/2									1-1/8-7NC	
CP408	18	**019221**	71	20-5/32	20-3/32		33-1/2	35-1/2									1-1/8-7NC	
CP408	24	**019222**	81	26-5/32	26-3/32	4-7/16	39-1/2	41-1/2	7-3/4	7-3/4	9-1/4	11/16	..	4	2	5/8	1-1/8-7NC	
CP408	30	**019223**	85	32-5/32	32-3/32		45-1/2	47-1/2									1-1/8-7NC	
CP408	36	**019224**	95	38-5/32	38-3/32		51-1/2	53-1/2									1-1/8-7NC	
CP502	12	**019230**	65	14-13/32	12-31/32		28-1/2	30-1/2									1-1/4-7NC	
CP502	18	**019231**	75	20-13/32	18-31/32		34-1/2	36-1/2									1-1/4-7NC	
CP502	24	**019232**	85	26-13/32	24-31/32	4-3/8	40-1/2	42-1/2	8-1/4	9-9/16	9-1/2	13/16	..	4	2	3/4	1-1/4-7NC	
CP502	30	**019233**	95	32-13/32	30-31/32		46-1/2	48-1/2									1-1/4-7NC	
CP502	36	**019234**	105	38-13/32	36-31/32		52-1/2	54-1/2									1-1/4-7NC	
CP515	12	**019240**	105	14-23/32	14-15/32		30-1/2	32-1/2									1-1/2-6NC	
CP515	18	**019241**	120	20-23/32	20-15/32		36-1/2	38-1/2									1-1/2-6NC	
CP515	24	**019242**	135	26-23/32	26-15/32	5-1/8	42-1/2	44-1/2	9-1/4	9-3/8	11-5/32	7/8	2	5	4	5/8	1-1/2-6NC	See Page B15-23
CP515	30	**019243**	150	32-23/32	32-15/32		48-1/2	50-1/2									1-1/2-6NC	
CP515	36	**019244**	165	38-23/32	38-15/32		54-1/2	56-1/2									1-1/2-6NC	
CP613	12	**019250**	115	15-1/32	-		32	34-1/4									1-3/4-5NC	
CP613	18	**019251**	135	21-1/32	-		38	40-1/4									1-3/4-5NC	
CP613	24	**019252**	155	27-1/32	-	5-5/8	44	46-1/4	9-7/8	-	12-1/16	15/16	2	5	4	3/4	1-3/4-5NC	
CP613	30	**019253**	175	33-1/32	-		50	52-1/4									1-3/4-5NC	
CP613	36	**019254**	195	39-1/32	-		56	58-1/4									1-3/4-5NC	
CP810	12	**019260**	185	16-9/32	-		36	38-1/2									2-4-1/2-NC	
CP810	18	**019261**	210	22-9/32	-		42	44-1/2									2-4-1/2-NC	
CP810	24	**019262**	235	28-9/32	-	7	48	50-1/2	12	-	14-3/4	1-3/16	2-1/2	6	4	3/4	2-4-1/2-NC	
CP810	30	**019263**	260	34-9/32	-		54	56-1/2									2-4-1/2-NC	
CP810	36	**019264**	285	40-9/32	-		60	62-1/2									2-4-1/2-NC	
CP908	12	**019270**	280	17-31/32	-		40-3/4	45-3/4									2-4-1/2-NC	
CP908	18	**019271**	310	23-31/32	-		46-3/4	51-3/4									2-4-1/2-NC	
CP908	24	**019272**	340	29-31/32	-	7-1/2	52-3/4	57-3/4	13-1/2	-	16-1/16	1-1/4	5	9	4	1-1/8	2-4-1/2-NC	
CP908	30	**019273**	370	35-31/32	-		58-3/4	63-3/4									2-4-1/2-NC	
CP908	36	**019274**	400	41-31/32	-		64-3/4	69-3/4									2-4-1/2-NC	
CP1004	12	**019280**	370	18-29/32	-		44-1/2	49-1/2									2-1/4-4-1/2-NC	
CP1004	18	**019281**	400	24-29/32	-		50-1/2	55-1/2									2-1/4-4-1/2-NC	
CP1004	24	**019282**	430	30-29/32	-	8-1/8	56-1/2	61-1/2	15-3/8	-	17-5/16	1-1/2	5-1/2	10	4	1-1/8	2-1/4-4-1/2-NC	
CP1004	30	**019283**	460	36-29/32	-		62-1/2	67-1/2									2-1/4-4-1/2-NC	
CP1004	36	**019284**	490	42-29/32	-		68-1/2	73-1/2									2-1/4-4-1/2-NC	

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

Take-Up Frames - CP

CENTER PULL (CP)

Frame Size	Travel	Frame Part Number	Frame Weight	Travel Maximum		Imperial		S2000		Type K		Type E	
				S2 & IP	Type E & K	L1	L2	L1	L2	L1	L2	L1	L2
CP308	12	**019200**	30	15-15/32	15-15/32								
CP308	18	**019201**	34	21-15/32	21-15/32								
CP308	24	**019202**	38	27-15/32	27-15/32	57/64	1-47/64	53/64	1-45/64	1-1/32	1-1/2	1-1/2	1-1/2
CP308	30	**019203**	42	33-15/32	33-15/32								
CP308	36	**019204**	46	39-15/32	39-15/32								
CP400	12	**019210**	55	14-27/32	14-23/32								
CP400	18	**019211**	65	20-27/32	20-23/32								
CP400	24	**019212**	75	26-27/32	26-23/32	53/64	1-63/64	55/64	1-13/16	1-7/32	1-3/4	1-3/4	1-3/4
CP400	30	**019213**	85	32-27/32	32-23/32								
CP400	36	**019214**	95	38-27/32	38-23/32								
CP408	12	**019220**	61	14-5/32	14-3/32								
CP408	18	**019221**	71	20-5/32	20-3/32								
CP408	24	**019222**	81	26-5/32	26-3/32	59/64	2-7/64	29/32	1-63/64	1-9/32	1-7/8	1-7/8	1-7/8
CP408	30	**019223**	85	32-5/32	32-3/32								
CP408	36	**019224**	95	38-5/32	38-3/32								
CP502	12	**019230**	65	14-13/32	12-31/32								
CP502	18	**019231**	75	20-13/32	18-31/32								
CP502	24	**019232**	85	26-13/32	24-31/32	1-13/64	2-7/32	1-13/64	2	1-5/8	2	2	2
CP502	30	**019233**	95	32-13/32	30-31/32								
CP502	36	**019234**	105	38-13/32	36-31/32								
CP515	12	**019240**	105	14-23/32	14-15/32								
CP515	18	**019241**	120	20-23/32	20-15/32								
CP515	24	**019242**	135	26-23/32	26-15/32	1-7/32	2-9/32	1-3/16	2-13/32	1-5/8	2-1/4	2-1/4	2-1/4
CP515	30	**019243**	150	32-23/32	32-15/32								
CP515	36	**019244**	165	38-23/32	38-15/32								
CP613	12	**019250**	115	15-1/32	-								
CP613	18	**019251**	135	21-1/32	-								
CP613	24	**019252**	155	27-1/32	-	1-15/32	2-11/16	1-31/64	2-33/64	-	-	-	-
CP613	30	**019253**	175	33-1/32	-								
CP613	36	**019254**	195	39-1/32	-								
CP810	12	**019260**	185	16-9/32	-								
CP810	18	**019261**	210	22-9/32	-								
CP810	24	**019262**	235	28-9/32	-	1-21/32	3-3/64	1-39/64	2-55/64	-	-	-	-
CP810	30	**019263**	260	34-9/32	-								
CP810	36	**019264**	285	40-9/32	-								
CP908	12	**019270**	280	17-31/32	-								
CP908	18	**019271**	310	23-31/32	-								
CP908	24	**019272**	340	29-31/32	-			3-1/16	3-15/32	-	-	-	-
CP908	30	**019273**	370	35-31/32	-								
CP908	36	**019274**	400	41-31/32	-								
CP1004	12	**019280**	370	18-29/32	-								
CP1004	18	**019281**	400	24-29/32	-								
CP1004	24	**019282**	430	30-29/32	-			3-17/64	3-41/64	-	-	-	-
CP1004	30	**019283**	460	36-29/32	-								
CP1004	36	**019284**	490	42-29/32	-								

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SELECTION/DIMENSIONS

DODGE®

Center Pull Take-Up Frame Bearings

TAPERED ROLLER BEARINGS

Type E

Shaft Size	Frame Size
1-3/8 1-7/16	CP-308
1-1/2 1-5/8 1-11/16	CP-400
1-3/4 1-7/8 1-15/16 2	CP-400
2-3/16	CP-408
2-1/4 2-7/16 2-1/2	CP-502
2-11/16 2-3/4 2-15/16 3	CP-515

- Center Pull Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- Type E - B6-30
- Type K - B6-40
- See B15-21 and B15-23 For Center Pull Take-Up Frame Travel Options And Part Numbers

Type K

Shaft Size	Frame Size
1-7/16	CP-308
1-15/16	CP-400
2-3/16	CP-408
2-7/16 2-1/2	CP-502
2-15/16 3	CP-515

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-3/8 1-7/16 1-1/2	CP-308
1-11/16 1-3/4	CP-400
1-15/16 2	CP-400
2-3/16	CP-408
2-7/16	CP-502
2-11/16 2-15/16 3	CP-515
3-7/16	CP-613
3-15/16	CP-810
4-7/16	CP-908
4-15/16	CP-1004

- Center Pull Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- S-2000 - B8-36 to B10-39
- IMPERIAL - B10-56 to B10-59
- See B15-21 and B15-23 For Center Pull Take-Up Frame Travel Options And Part Numbers

IMPERIAL - IP

Shaft Size	Frame Size
1-1/8 1-3/16 1-1/4 1-3/8 1-7/16 1-1/2	CP308
1-5/8 1-11/16 1-3/4	CP-400
1-7/8 1-15/16 2	CP-400
2-3/16 2-1/4	CP-408
2-3/8 2-7/16 2-1/2	CP-502
2-11/16 2-3/4 2-15/16 3	CP-515
3-3/16 3-1/4 3-7/16 3-1/2	CP-613
3-11/16 3-15/16 4	CP-810

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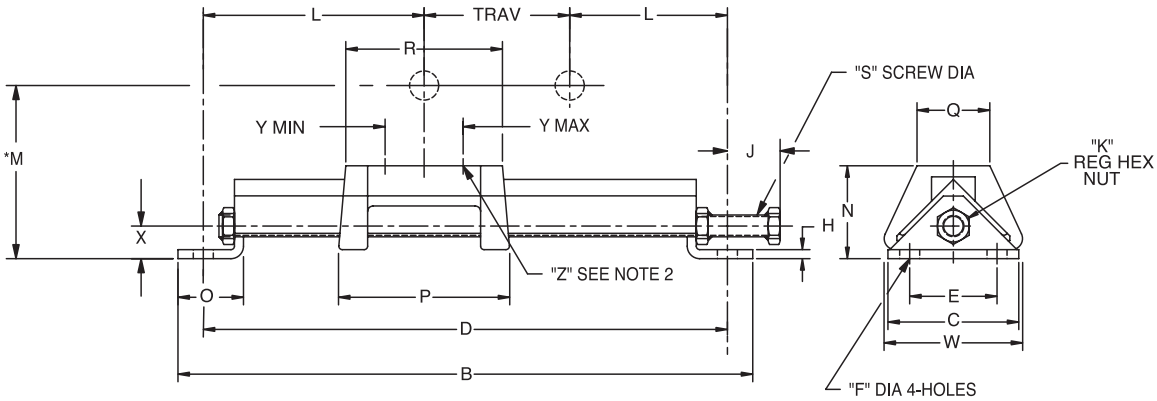
Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES



* M=N + PILLOW BLOCK BACKING DIMENSION

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SELECTION/DIMENSIONS

Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES

Frame Size x Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia.	H	J	K	L	N	O
LD-10x6	**039005**	10	19-1/2	3-3/4	18	2-1/2	3/8	1/4	9/16	9/16	6	2-3/4	2-1/8
LD-10x9	**039006**	11	22		20-1/2						5-3/4		
LD-10x12	**038910**	13	25		23-1/2						5-3/4		
LD-10x18	**038911**	14	31		29-1/2						5-3/4		
LD-10x30	**038912**	16	43		41-1/2						5-3/4		
LD-10x36	**038913**	18	49		47-1/2						5-3/4		
LD-10x42	**038914**	20	55		53-1/2						5-3/4		
LD-10x48	**038915**	22	61		59-1/2						5-3/4		
LD-20x6	**039007**	12	19-1/2	3-3/4	18	2-1/2	1/2	1/4	1-3/4	9/16	6	2-19/32	2-1/8
LD-20x9	**039008**	13	22		20-1/22						5-3/4		
LD-20x12	**039009**	14	25		23-1/2						5-3/4		
LD-20x18	**039010**	17	33-1/2		32						7		
LD-20x24	**039003**	18	39-1/2		38						7		
LD-20x30	**039002**	20	45-1/2		44						7		
LD-20x36	**039043**	22	51-1/2		50						7		
LD-20x42	**038916**	24	57-1/2		56						7		
LD-20x48	**039044**	26	63-1/2		62						7		
LD-30x12	**039011**	18	28-1/4	3-3/4	26-3/4	2-1/2	1/2	1/4	1-3/4	9/16	7-3/8	2-11/16	2-1/8
LD-30x18	**039012**	21	34-1/4		32-3/4						7-3/8		
LD-30x24	**039084**	24	40-1/4		38-3/4						7-3/8		
LD-30x30	**038917**	27	46-1/4		44-3/4						7-3/8		
LD-30x36	**038918**	30	52-1/4		50-3/4						7-3/8		
LD-30x42	**038919**	33	58-1/4		56-3/4						7-3/8		
LD-30x48	**038920**	35	64-1/4		62-3/4						7-3/8		
LD-40x12	**039013**	25	28-1/4	4-3/4	26-1/2	3	5/8	5/16	1-3/4	9/16	7-1/4	3-3/16	2-1/4
LD-40x18	**039014**	28	34-1/4		32-1/2						7-1/4		
LD-40x24	**039073**	31	40-1/4		38-1/2						7-1/4		
LD-40x30	**038921**	34	46-1/4		44-1/2						7-1/4		
LD-40x36	**038922**	37	52-1/4		50-1/2						7-1/4		
LD-40x42	**038923**	40	58-1/4		56-1/2						7-1/4		
LD-40x48	**038924**	43	64-1/4		62-1/2						7-1/4		
LD-45x12	**039018**	50	33	5	31-1/4	3	3/4	5/16	1-9/16	11/16	9-3/4	4-1/8	2-1/2
LD-45x18	**039019**	55	39-1/4		37-1/2						9-3/4		
LD-45x24	**039097**	58	45-1/4		43-1/2						9-3/4		
LD-45x30	**038925**	65	51-1/4		49-1/2						9-3/4		
LD-45x36	**038926**	70	57-1/4		55-1/2						9-3/4		
LD-45x42	**038927**	75	63-1/4		61-1/2						9-3/4		
LD-45x48	**038928**	80	69-1/4		67-1/2						9-3/4		
LD-50x6	**039004**	49	27	5	25-1/4	3	3/4	5/16	1-9/16	11/16	9-5/8	4-1/8	2-1/2
LD-50x12	**039015**	54	33		31-1/4						9-3/4		
LD-50x18	**039016**	60	39-1/4		37-1/2						9-3/4		
LD-50x24	**039017**	65	45-1/4		43-1/2						9-3/4		
LD-50x30	**038929**	71	51-1/4		49-1/2						9-3/4		
LD-50x36	**038930**	77	57-1/4		55-1/2						9-3/4		
LD-50x48	**038932**	90	69-1/4		67-1/2						9-3/4		

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Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES

Frame Size x Travel	Part No.	Wt.	P	Q	R	S Screw Dia.	W	X	Y Bolt Centers		Z Bolt Dia.	Angle
									Max.	Min.		
LD-10x6	**039005**	10	5-7/8	1-1/2	5-3/8	3/4	3-1/4	15/16	4-3/8	2-7/8	3/8 x 1-1/2	2 x 2 x 1/4
LD-10x9	**039006**	11										
LD-10x12	**038910**	13										
LD-10x18	**038911**	14										
LD-10x30	**038912**	16										
LD-10x36	**038913**	18										
LD-10x42	**038914**	20										
LD-10x48	**038915**	22										
LD-20x6	**039007**	12	7-3/4	2-1/8	7-1/4	3/4	3-3/4	15/16	6-1/4	4-7/16	1/2 x 2-1/2	2 x 2 x 1/4
LD-20x9	**039008**	13										
LD-20x12	**039009**	14										
LD-20x18	**039010**	17										
LD-20x24	**039003**	18										
LD-20x30	**039002**	20										
LD-20x36	**039043**	22										
LD-20x42	**038916**	24										
LD-20x48	**039044**	26										
LD-30x12	**039011**	18	8-1/2	2-1/4	8	3/4	3-3/4	15/16	7	5-3/4	5/8 x 2-1/2	2 x 2 x 5/16
LD-30x18	**039012**	21										
LD-30x24	**039084**	24										
LD-30x30	**038917**	27										
LD-30x36	**038918**	30										
LD-30x42	**038919**	33										
LD-30x48	**038920**	35										
LD-40x12	**039013**	25	9-3/4	2-1/2	9-1/4	3/4	4-3/4	1-1/16	7-7/8	6-3/8	5/8 x 3	2-1/2 x 2-1/2 x 5/16
LD-40x18	**039014**	28										
LD-40x24	**039073**	31										
LD-40x30	**038921**	34										
LD-40x36	**038922**	37										
LD-40x42	**038923**	40										
LD-40x48	**038924**	43										
LD-45x12	**039018**	50	13-1/2	3-1/2	13	1	5-7/8	1-1/4	11-1/4	7-1/4	3/4 x 3-1/2	3 x 3 x 1/2
LD-45x18	**039019**	55										
LD-45x24	**039097**	58										
LD-45x30	**038925**	65										
LD-45x36	**038926**	70										
LD-45x42	**038927**	75										
LD-45x48	**038928**	80										
LD-50x6	**039004**	49	13-1/2	3-1/2	13	1	5-7/8	1-1/4	11-1/8	7-5/8	7/8 x 4	3 x 3 x 1/2
LD-50x12	**039015**	54										
LD-50x18	**039016**	60										
LD-50x24	**039017**	65										
LD-50x30	**038929**	71	13-1/2	3-1/2	13	1	5-7/8					
LD-50x36	**038930**	77										
LD-50x48	**038932**	90										

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SELECTION/DIMENSIONS

Light Duty Take-Up Frame Bearings

BALL BEARINGS

NORMAL DUTY

SETSCREW - SC, SCU, SCB, VSC, VSCB
D-LOK - DL, DLB
ECCENTRIC LOCK - SXR, SXRU, SXRB, SXV, SXVU, SXVB
GRIP TIGHT - GT

Series	Shaft Size	Frame Size
203	1/2 5/8	LD-10
204	1/2 5/8 3/4 20mm	LD-10
205	7/8 15/16 25mm	LD-10
206	1-1/16 1-1/8 1-3/16 1-1/4 30mm	LD-20
207	1-1/4 1-5/16 1-3/8 1-7/16 35mm	LD-20
208	1-1/2 1-5/8 40mm	LD-20
209	1-5/8 1-11/16 1-3/4 45mm	LD-20
210	1-15/16 2 50mm	LD-30
211	2 2-3/16 2-1/4 55mm	LD-40
212	2-1/4 2-7/16 60mm	LD-40
214	2-1/2 2-11/16 70mm	LD-45
215	2-15/16 75mm	LD-50

- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.

- EZ-KLEEN Polymer Housing - B1-14 to B1-29
- Grip Tight (GT & GTM)- B2-8 to B2-19
- Setscrew (SC, SCM & VSC) - B3-10 to B3-25
- Eccentric Lock (SXR & SXV) - B4-10 to B4-17
- D-LOK (DL & DLM) - B5-8 to B5-13

- See B15-26 For Light Duty Take-Up Frame Travel Options And Part Numbers.

MEDIUM DUTY

SETSCREW - SCM, SCH
D-LOK - DLM, DLH
GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
206	1 25mm	LD-20
207	1-3/16 1-1/4 30mm	LD-20
208	1-7/16 35mm	LD-20
209	1-1/2 40mm	LD-20
210	1-11/16 1-3/4 45mm	LD-30
211	1-15/16 2 50mm	LD-40
212	2-3/16 2-1/4 55mm	LD-40
214	2-7/16 2-1/2 65mm	LD-45
215	2-11/16 70mm	LD-50
216	2-15/16 3 75mm	LD-50
218	3-7/16 3-1/2 85mm	LD-50

Light Duty Take-Up Frame Bearings

SPHERICAL ROLLER BEARINGS

IMPERIAL - IP

Shaft Size	Frame Size
1-1/8 1-316 1-1/4 1-3/8 1-7/16 1-1/2	LD-20
1-5/8 1 11/16 1-3/4	LD-20
1-7/8 1 15/16 2	LD-30
2-3/16 2-1/4	LD-40
2-3/8 2-7/16 2-1/2	LD-40
2-11/16 2-3/4 2-15/16 3	LD-45
3-3/16 3-1/4 3-7/16 3-1/2	LD-50

S-2000

Shaft Size	Frame Size
1-3/8 1-7/16 1-1/2	LD-20
1-11/16 1-3/4	LD-20
1-15/16 2	LD-30
2-3/16	LD-40
2-7/16	LD-40
2-11/16 2-15/16 3	LD-45
3-7/16	LD-50

UNISPHERE II

Shaft Size	Frame Size
1-7/16 1-1/2 1-11/16 1-3/4	LD-20
1-15/16 2	LD-30
2-3/16 2-7/16 2-1/2	LD-40
2-11/16 2-3/4 2-15/16 3	LD-45
3-7/16 3-1/2	LD-50

- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- S-2000 - B8-18 to B8-21
- Unisphere II - B9-16 to B9-17
- IMPERIAL - B10-21 to B10-27

- See B15-26 For Light Duty Take-Up Frame Travel Options And Part Numbers.

Frame Size	MAX RECOMMENDED HOUSING CAP LOAD (90° LOAD ANGLE)
LD-10	2100
LD-20	3900
LD-30	6200
LD-40	6200
LD-45	9100
LD-50	12500

* Consult the Application Engineering Department for loads greater than listed. In all cases, when loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

* LD Frames are drilled for two bolt pillow blocks

SELECTION/DIMENSIONS

DODGE®

Light Duty Take-Up Frame Bearings

SLEEVE BEARING

LT-700
LT-1000

Series	Shaft Size	Frame Size
204	3/4	LD-10
205	7/8 15/16 1 25mm	LD-10
206	1-1/8 1-3/16 30mm	LD-20
207	1-1/4 1-3/8 1-7/16 35mm	LD-20
209	1-11/16 1-3/4 45mm	LD-20
210	1-15/16 2 50mm	LD-30
211	2-3/16 55mm	LD-40
212	2-7/16 2-1/2 55mm	LD-40
215	2-15/16 3	LD-50

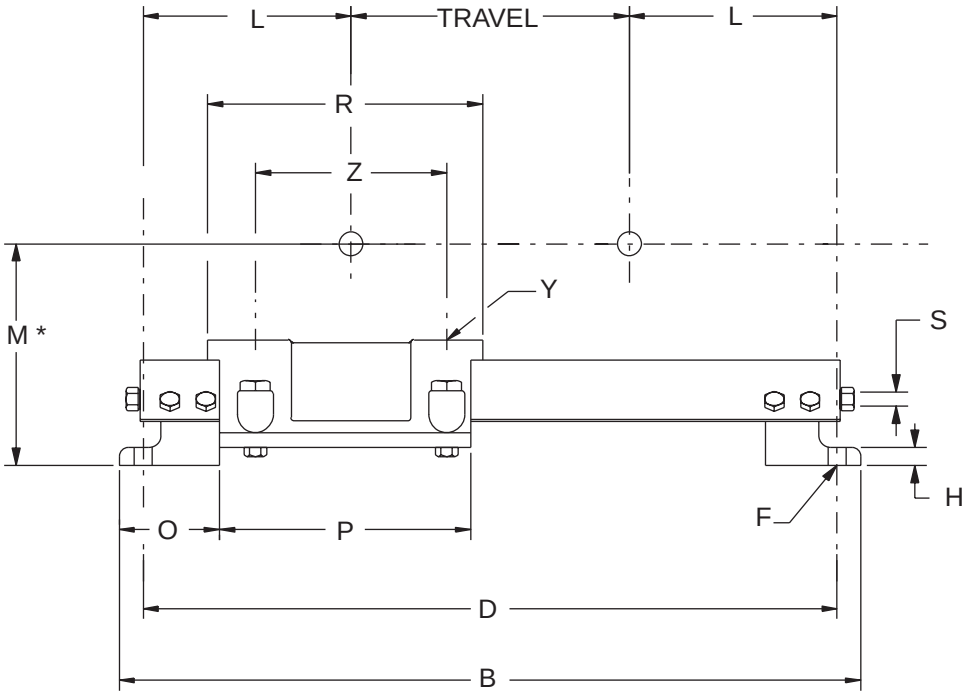
- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- LT-700 - B13-14 to B13-17
- LT-1000 - B13-14 to B13-17
- Babbitt Sleeve - B13-36 to B13-37
- See B15-26 For Light Duty Take-Up Frame Travel Options And Part Numbers

BABBITTED SOLID JOURNAL BEARING

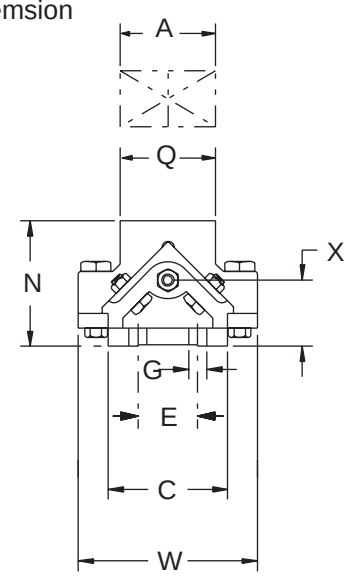
Shaft Size	Frame Size
1/2 to 1-1/4	LD-10
1-11/16 1-3/4	LD-20
2-15/16	LD-45

Take-Up Frames - HD

HD PROTECTED SCREW TAKE-UP FRAMES



* M = N + Pillow Block Base to Center Dimemsion



The HD Protected Screw Take-Up Frames

HD 200 through HD 350 Take-Up frames will accommodate pillow blocks on saddles which are slotted for two-bolt Pillow Blocks and may be ordered by part numbers. When using four-bolt Pillow Blocks; or on HD frames 400 and larger, please supply:

1. Bore size of pillow block
2. Type of block (Type E, Double Interlock, USAF, etc.)
3. Whether pillow block is two-or four-bolt style
4. Frame Travel

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SELECTION/DIMENSIONS

Take-Up Frames - HD

HD PROTECTED SCREW TAKE-UP FRAMES

Frame Size	Travel	Part No. **✦	Frame Wt.	B	C	D
HD-200*	12	**089020**	79	31	5	29
	18	**089021**	82	37	5	35
	24	**089022**	90	43	5	41
	30	**089023**	95	47	5	47
	36	**089024**	100	55	5	53
	48	**089150**	110	67	5	65
HD-250*	12	**089151**	115	35-1/4	6	32-3/4
	18	**089025**	125	41-1/4	6	38-3/4
	24	**089026**	135	47-1/4	6	44-3/4
	30	**089027**	137	53-1/4	6	50-3/4
	36	**089028**	143	59-1/4	6	56-3/4
	48	**089152**	153	71-1/4	6	68-3/4
	60	**089600**	163	83-1/4	6	80-3/4
HD-300*	12	**089153**	175	38-1/4	6-1/2	35-1/2
	18	**089029**	184	44-1/4	6-1/2	41-1/2
	24	**089030**	194	50-1/4	6-1/2	47-1/2
	30	**089031**	206	56-1/4	6-1/2	53-1/2
	36	**089032**	214	62-1/4	6-1/2	59-1/2
	48	**089033**	240	74-1/4	6-1/2	71-1/2
	60	**089601**	266	86-1/4	6-1/2	83-1/2
HD-350*	12	**089154**	195	40	6-1/2	37-1/4
	18	**089034**	204	46	6-1/2	43-1/4
	24	**089035**	212	52	6-1/2	49-1/4
	30	**089036**	220	58	6-1/2	55-1/4
	36	**089037**	234	64	6-1/2	61-1/4
	48	**089038**	250	76	6-1/2	73-1/4
	60	**089602**	276	88	6-1/2	85-1/4
HD-400**	12	**089155**	340	44	6-1/2	41-1/4
	18	**089039**	350	50	6-1/2	47-1/4
	24	**089040**	360	56	6-1/2	53-1/4
	30	**089041**	370	62	6-1/2	59-1/4
	36	**089042**	380	68	6-1/2	65-1/4
	48	**089043**	400	80	6-1/2	77-1/4
	60	**089603**	420	92	6-1/2	89-1/4
HD-500**	12	**089156**	420	49-1/2	7	47
	18	**089044**	440	55-1/2	7	53
	24	**089045**	460	61-1/2	7	59
	30	**089046**	480	67-1/2	7	65
	36	**089047**	500	73-1/2	7	71
	48	**089048**	530	85-1/2	7	83
	60	**089604**	560	97-1/2	7	95

Frame Size	E	F Bolt Dia.	G Dia.	H	L	N	O	P	Saddle *Dimensions Q	Saddle *Dimensions R	S Scr. Dia.	W	X	Y Bolt Dia.	Z Max.	Z Min.
HD-200	2-1/2	5/8	3/4	3/4	8-1/2	5-1/4	4	11	4	11	1	7-1/2	2-9/16	5/8	9-1/16	5-15/16
HD-250	3	5/8	3/4	3/4	10-3/8	6-1/4	5	13-1/4	4-1/2	13	1	8-1/4	3-1/4	3/4	10-7/8	7-5/8
HD-300	3	3/4	7/8	7/8	11-3/4	7	6	14-1/4	5	14	1-1/4	10	3-1/2	3/4	11-5/8	9-1/4
HD-350	3	3/4	7/8	7/8	12-5/8	7	6	16	6	17	1-1/4	10	3-1/2	7/8	13-11/16	10-3/4
HD-400	3	3/4	7/8	7/8	14-5/8	7	6	20	7-1/4	20	1-1/4	10	3-1/2	✦	✦	✦
HD-500	4	7/8	1	1	17-1/2	7-3/4	6-3/4	23-1/2	8-1/2	23-1/2	1-1/2	12-1/2	3-21/32	✦	✦	✦

Consult DODGE for HD600 and HD650 Take-Up Frames, for large bore bearings.

✦ Solid saddle must be drilled and tapped per order (HD-400 & HD500 frames)

* Saddle is slotted to receive 2-bolt blocks.

** For 4-bolt pillow blocks, all HD frames must be drilled and tapped per order. Refer to Page B15-30

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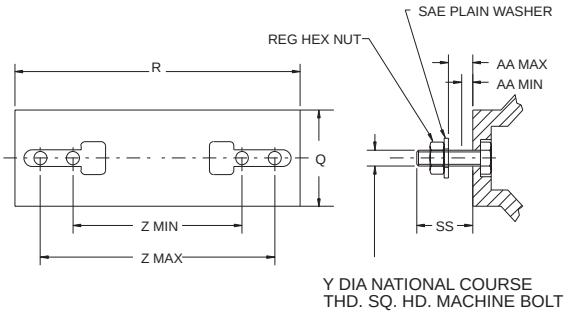
Take-Up Frames - HD

USING HD PROTECTED SCREW TAKE-UP FRAMES FOR BEARINGS OTHER THAN DODGE



Slotted saddle type HD frames (200 through 350 sizes) may be used with 2-bolt pillow blocks other than DODGE pillow blocks listed in tables on previous pages. The dimensions shown below are listed to determine whether frame is applicable to this type of application.

Frame Size	AA		Saddle Dimensions	
	Min.	Max.	Q	R
HD-200	2	3-1/64	4	11
HD-250	2-5/8	3-13/16	4-1/2	13
HD-300	2-31/32	4-5/32	5	14
HD-350	2-27/32	4-11/16	6	17

Frame Size	Y			SS	Z Bolt Centers	
	Bearing Hold Down Bolts					
	Diameter	Part Number	LENGTH UNDER HEAD		Max.	Min.
HD-200	5/8-11	**416173**	4	3-5/8	9-7/16	5-15/16
HD-250	3/4-10	**416229**	5	4-17/32	10-7/8	7-5/8
HD-300	3/4-10	**416231**	5-1/2	4-7/8	11-5/8	9-1/4
HD-350	7/8-9	**416275**	5-1/2	5	13-11/16	10-3/4

Note: The Pillow Blocks must use the bolt shown and have the capability of mounting between the Z bolt centers. The height off the mounting bolt pad must be within the AA dimensions.

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SELECTION/DIMENSIONS

Heavy Duty Take-Up Frame Bearings

TAPERED ROLLER BEARINGS

Type E

Shaft Size	Frame Size
1-1/2 to 2-1/2	HD-200*
2-11/16 to 3	HD-250*
3-3/16 to 3-1/2	HD-350*
3-15/16 to 5	HD-400**
5-7/16 to 6	HD-500**

Type K Double Interlock

Shaft Size	Frame Size
1-1/2 to 2-3/16	HD-200*
2-1/4 to 2-1/2	HD-250*
2-11/16 to 3	HD-300*
3-3/16 to 3-1/2	HD-350*
3-15/16 to 4-1/2	HD-400**
4-15/16 to 5	HD-500**

TAF

Shaft Size	Frame Size
2-7/16 to 2-1/2	HD-200*
2-15/16 to 3	HD-250*
3-7/16 to 4	HD-350*
4-7/16 to 5	HD-400**
5-7/16	HD-500**

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- Type K - B6-34
- Type E - B6-22
- DOUBLE INTERLOCK - B6-44
- TAF - B6-52
- See B15-32 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B15-31.

**** HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering**

Heavy Duty Take-Up Frame Bearings

SPECIALITY TAPERED ROLLER BEARINGS

Special Duty

Shaft Size	Frame Size
1-3/8 to 2	HD-200
2-1/8 to 2-1/2	HD-250
2-3/8 to 3	HD-300
3-3/16 to 3-1/2	HD-350
3-11/16 to 4	HD-400**
4-7/16 to 5	HD-500**

Type C

Shaft Size	Frame Size
1-3/8 to 1-15/16	HD-200
2 to 2-7/16	HD-250
2-3/8 to 2-15/16	HD-300
3 to 3-7/16	HD-350
3-1/2 to 4	HD-400**
4-7/16 to 5	HD-500**

All-Steel

Shaft Size	Frame Size
2-11/16 to 3	HD-250*
3-7/16 to 3-1/2	HD-300*
3-15/16 to 4	HD-350*
4-7/17 to 5	HD-400**

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- Specialty Duty - B7-32
- Type C - B7-10
- All Steel - B7-56
- See B15-32 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B15-31.

**** HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering**

SELECTION/DIMENSIONS

DODGE®

Heavy Duty Take-Up Frame Bearings

UNITIZED SPHERICAL ROLLER BEARINGS

Imperial - IP

Shaft Size	Frame Size
1-1/8 to 2-1/2	HD-200*
2-11/16 2-3/4 2-15/16 3	HD-250*
3-3/16 3-1/4 3-7/16 3-1/2	HD-300*
3-11/16 3-15/16 4 4-7/16 4-1/2	HD-500*
4-15/16 5	HD-400**

S-2000

Shaft Size	Frame Size
1-3/8 1-7/16 1-1/2 1-11/16 1-3/4 1-15/16 2 2-3/16 2-7/16 2-11/16	HD-200*
2-15/16 3	HD-250*
3-7/16	HD-300*
3-15/16 4-7/16	HD-350*
4-15/16	HD-400**

UNISPHERE II

Shaft Size	Frame Size
1-15/16 2 2-3/16 2-7/16 2-1/2	HD-200
2-11/16 2-3/4 2-15/16 3	HD-250
3-7/16 3-1/2	HD-300
3-15/16 4	HD-350

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- S-2000 - B8-18 to B8-25
- IMPERIAL - B10-21 to B10-33
- UNISPHERE - B9-16 to B9-17
- See B15-32 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B15-31.

**** HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering**

Heavy Duty Take-Up Frame Bearings

UNIFIED SPHERICAL ROLLER BEARINGS

USAF-500
SAF-XT
SAFS
ISAF

Shaft Size	Frame Size
1-15/16 to 2-3/16	HD-200*
2-7/16 to 3	HD-250*
3-3/16	HD-300*
3-7/16 to 3-1/2	HD-350*
3-15/16 to 4-1/2	HD-400**
4-15/16 to 5-1/2	HD-500**

Take-Up Frame Size	Maximum Recommended Housing Cap. Loads ** (at 90° load angle)
HD-200	2800
HD-250	4200
HD-300	4200
HD-350	3500
HD-400	***
HD-500	***

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- IMPERIAL - B10-20 to B10-35
- USAF-500 - B11-40 to B11-43
- SAF-XT - B11-68 to B-11-69
- SAFS - B11-65 to B11-67
- See B15-32 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B15-31.

**** HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering**

SELECTION/DIMENSIONS

DODGE®

Heavy Duty Take-Up Frame Bearings

SLEEVE BEARINGS

MM-700
MM-1000

Shaft Size	Frame Size
3-7/16 3-1/2	HD-250*
3-15/16 4	HD-300*
4-7/16 4-1/2	HD-350*
4-15/16 5	HD-400**

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- MM 700 - B13-18
- MM 1000 - B13-18
- Angle Babbitt - B13-42 to B14-43
- Bronze B13-46 to B13-49
- See B15-32 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

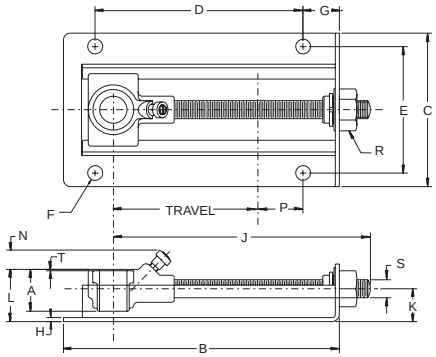
Angle Babbitt
Bronze Babbitt

Shaft Size	Frame Size
1-15/16 2-3/16 2-7/16	HD-200*
2-11/16 2-15/16	HD-250*
3-7/16	HD-300*
3-15/16	HD-350*
4-7/16 4-15/16	HD-400**
5-7/16 5-15/16	HD-500**

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B15-31.

**** HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering**

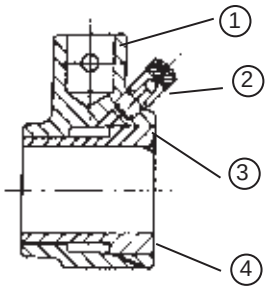
Take-Up Frames - BRONZOIL

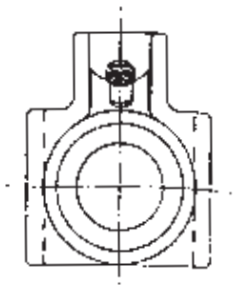


Shaft Size X Travel	Part Number	Description	Wt.	A	B	C	D	E
1/2 x 4	**034020**	BOTU-008X4	1.9					
5/8 x 4	**034021**	BOTU-010X4	1.8	1-3/16	7-5/8	4-1/4	5-3/4	3-1/2
3/4 x 4	**034022**	BOTU-012X4	1.7					
7/8 x 4	**034023**	BOTU-014X4	2.1					
15/16 x 4	**034024**	BOTU-015X4	2.0	1-9/16	7-5/8	4-1/4	5-3/4	3-1/2
1 x 4	**034025**	BOTU-100X4	1.9					

Shaft Size X Travel	F Bolt Dia.	G	H	J	K	L	N	P	R Hex. Size	S	T
1/2 x 4 5/8 x 4 3/4 x 4	3/8	1	7/64	7-1/8	29/32	1-7/16	1/2	1-1/4	1	1/2	1/16
7/8 x 4 15/16 x 4 1 x 4	3/8	1	7/64	7-1/8	29/32	1-5/8	5/16	1-1/4	1	1/2	1/16

BRONZOIL Take-Up Bearing Assembly					
Size	(TUBO---) Assy. No	1	2	3	4
1/2	**034030**	034001	405046	034013	444010
5/8	**034031**	034001	405046	034014	444010
3/4	**034032**	034001	405046	034015	444010
7/8	**034033**	034002	405046	034016	444010
15/18	**034034**	034002	405046	034017	444010
1	**034035**	034002	405046	034018	444010



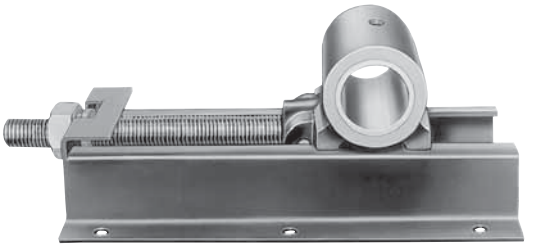


1. BRONZOIL Housing
2. BRONZOIL Take-Up Oil Cup
3. BRONZOIL Bushing
4. BRONZOIL Permawick

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

SELECTION/DIMENSIONS

Take-Up Bearings - Type A & B



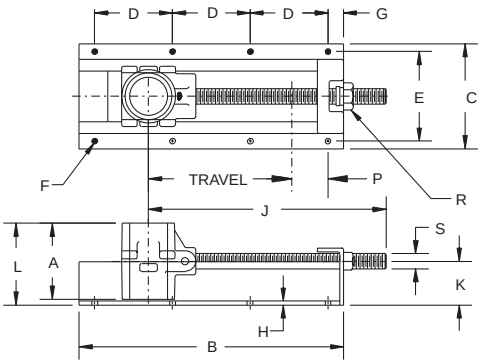
TYPE A & B TAKE-UP BEARINGS (Only) TYPE A & B TAKE-UP FRAMES DISCONTINUED

Shaft Size x Travel	Type A Take-Up Bearing		
	Part Number	Description	Wt.
15/16 x 5	**036180**	TUA-015-TUBRG	2.6
1 x 5	**036181**	TUA-100-TUBRG	2.5
1-3/15 x 5	**036182**	TUA-103-TUBRG	2.3
1-1/4 x 5	**036183**	TUA-104-TUBRG	2.2
1-7/16 x 6 1-7/16 x12	**036184**	TUA-107-TUBRG	3.5
1-11/16 x 6 1-11/16 x12	**036185**	TUA-111-TUBRG	4.1
1-15/16 x 9 1-15/16 x18	**036186**	TUA-115-TUBRG	6.7
2-3/16 x 9 2-3/16 x18	**036187**	TUA-203-TUBRG	10.1
2-7/16 x 9 2-7/16 x18	**036188**	TUA-207-TUBRG	8.8

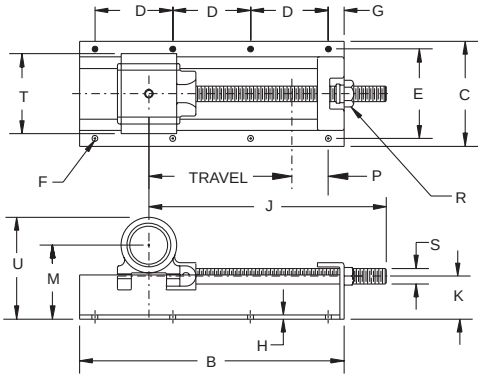
Shaft Size x Travel	Type B Take-Up Bearing		
	Part Number	Description	Wt.
15/16 x 5	**036270**	TUB-015-TUBRG	3.6
1 x 5	**036193**	TUB-100-TUBRG	3.5
1-3/15 x 5	**036194**	TUB-103-TUBRG	3.3
1-1/4 x 5	**036274**	TUB-104-TUBRG	3.2
1-7/16 x 6 1-7/16 x 12	**036196**	TUB-107-TUBRG	4.7
1-11/16 x 6 1-11/16 x12	**036197**	TUB-111-TUBRG	5.4
1-15/16 x 9 1-15/16 x18	**036198**	TUB-115-TUBRG	8.6
2-3/16 x 9 2-3/16 x18	**036199**	TUB-203-TUBRG	12.7
2-7/16 x 9 2-7/16 x18	**036200**	TUB-207-TUBRG	11.4

FEATURES/BENEFITS PAGE B15-2	HOW TO ORDER PAGE B15-6	NOMENCLATURE PAGE B15-7	

Take-Up Bearings - Type A & B



TYPE TUA



TYPE TUB

Shaft Size x Travel	A	B	C	D	E	F Bolt		G	H	J	K
						No.	Dia.				
15/16 x 5 1 x 5 1-3/16 x 5 1- 1/4 x 5	2-5/8	9-3/4	4-3/4	3-1/2	4	6	5/16	1-3/8	1/8	8-3/4	1-5/8
1-7/16 x 6 1-7/16 x 12	3-1/8	1218	5-3/45-3/4	55-1/4	4-3/44-3/4	68	3/33/8	11	3/163/16	10-1/216-1/2	22
1-11/16 x 6 1-11/16 x 12	3-3/8	1218	5-3/45-3/4	55-1/4	4-3/44-3/4	68	3/83/8	11	3/163/16	10-1/216-1/2	22
1-15/16 x 9 1-15/16 x 18	4-1/8	1726	6-3/46-3/4	56	5-3/45-3/4	810	3/83/8	11	1/41/4	14-1/223-1/2	2-3/42-3/4
2-3/16 x 9 2-3/16 x 18	4-7/8	1726	6-3/46-3/4	56	5-3/45-3/4	810	3/83/8	11	1/41/4	14-1/223-1/2	2-3/42-3/4
2-7/16 x 9 2-7/16 x 18	4-7/8	1726	6-3/46-3/4	56	5-3/45-3/4	810	3/83/8	11	1/41/4	14-1/223-1/2	2-3/42-3/4

Shaft Size x Travel	L	M	P	R Hex.	S	T	U	Grease Cup	
								Pipe Tap	Size
15/16 x 5 1 x 5 1-3/16 x 5 1- 1/4 x 5	3	2-3/4	1-5/8	1-5/16	3/4	2-7/8	3-27/32	1/8	0
1-7/16 x 6 1-7/16 x 12	3-5/8	3-3/83-3/8	2-1/22-1/2	1-1/2	7/8	3-3/8	4-19/32	1/4	0
1-11/16 x 6 1-11/16 x 12	3-3/4	3-5/83-5/8	2-1/22-1/2	1-1/2	7/8	3-5/8	4-31/32	1/4	0
1-15/16 x 9 1-15/16 x 18	4-7/8	4-1/24-1/2	3-3/83-3/8	1-5/8	1	4-3/8	6-1/32	1/4	1
2-3/16 x 9 2-3/16 x 18	5-1/4	4-3/44-3/4	3-1/83-1/8	1-5/8	1	5-1/8	6-17/32	1/4	1
2-7/16 x 9 2-7/16 x 18	5-1/4	4-3/44-3/4	3-3/83-3/8						

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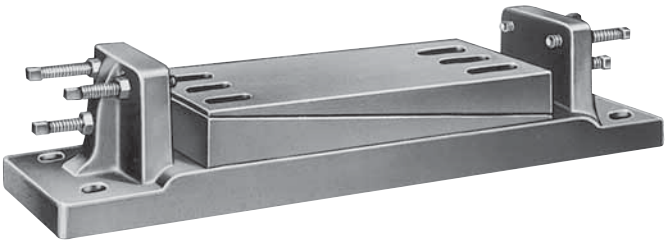
SELECTION/DIMENSIONS

Baseplate

ADJUSTABLE BASE PLATES FOR TYPE C, SPECIAL DUTY, ALL-STEEL, USAF, ISAF, SAF-XT AND TAF



Base plates provide substantial support for pillow blocks and also a simple method of obtaining shaft alignment at time of installation and realignment when slight changes occur in the supporting structure or foundation. The side screws provide support to the pillow blocks in installations having side strains due to loads imposed by belts, gears or other drives.

The bottom of the base plates are regularly cast smooth, and the “M” dimension as given below is approximate. An extra charge as listed on opposite page is made when the base plate is ordered with the bottom of the base machined.

Adjustable Base Plate - This type is supplied with tapered wedges with permit an approximate vertical adjustment of from 3/16, above to 3/16, below the normal position. Side screws provide for horizontal adjustment.

Selection of Size - Trace down left hand column to pillow block size, then trace right to the base plate number listed under the type of pillow block.

Shaft Size	Type of Pillow Block					
	Type C Special Duty		All-Steel		SAF-XT & TAF USAF, SAFS, ISAF	
	Base Plate No.	M ✤ Adj.	Base Plate No.	M ✤ Adj.	Base Plate No.	M ✤ Adj.
1-11/16	270	6-1/4	. . .	. . . . .	. . . . .	. . . . .
1-15/16	300	6-3/4	. . . . .	. . . . .	. . . . .	. . . . .
2-3/16	320	7-1/2	. . . . .	. . . . .	. . . . .	. . . . .
2-7/16	360	8-1/8	. . . . .	. . . . .	330	7-5/16
2-11/16	370	9	350	7-15/16	350	7-11/16
2-15/16	370	9	350	7-15/16	350	7-15/16
3-3/16	410	10-1/2	. . . .	. . . . .	380	8-5/8
3-7/16	410	10-1/2	400	9-3/8	400	9-3/8
3-15/16	460	11-7/8	430	10-1/8	430	10-1/8
4-3/16	...	. . . .	. . . .	. . . . .	430	10-7/8
4-7/16	460	12-3/4	450	11-15/16	450	11-9/16
4-15/16	500	13-1/2	450	11-15/16	480	11-15/16
5-3/16	. . .	. . . .	. . . .	. . . . .	490	12-11/16
5-7/16	540	16	490	13	490	13-1/16
6	540	16	510B	14	510A	14-1/16
6-1/2	580	19-1/4	550A	15-7/8	550B	15-5/8
7	580	19-1/4	550A	15-7/8	550A	16
8	600	21-3/4	560	18-3/4	560	18-3/4
9	630	26-1/2	610	23-3/8	540	15-1/4
10	630	26-1/2	610	23-3/8	610 *	17

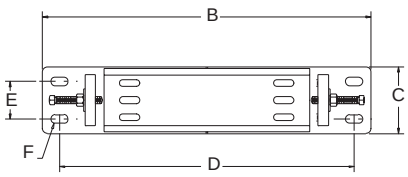
* For use with UAF contact DODGE Application Engineering

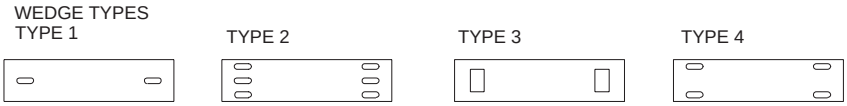
✤ See drawings on B15-42, When bottom of base plate is machined, the “M” dimension will be reduced approximately 1/4”.

FEATURES/BENEFITS PAGE B15-2 | HOW TO ORDER PAGE B15-6 | NOMENCLATURE PAGE B15-7

Baseplates

ADJUSTABLE BASE PLATES FOR TYPE C, SPECIAL DUTY, ALL-STEEL, USAF, ISAF, SAF-XT AND TAF





BASE PLATES FOR DODGE PILLOW BLOCKS

Base Plate No.	Adjustable Base Plate		Wedge Type	B	C	D	4-Bolt Base		G	H	N	P
	Part No.	Wt.					E	F-Bolt				
270 Å	**079023**	23	1	18-1/2	3-5/8	16-1/2	2-1/4	1/2	1	1	12-1/4	1-1/2
300 Å	**079026**	36	1	21-1/2	3-3/4	19	2-1/4	5/8	1-1/4	1-1/8	14	1-3/4
320 Å	**079029**	44	1	22-1/2	4-1/4	20	2-1/2	5/8	1-1/4	1-1/8	15	1-3/4
330 Å	**057021**	52	2	23-1/4	3-3/4	21	2	5/8	15/16	1-1/4	15-3/4	2
350 Å	**057024**	58	2	24-3/4	4	22-1/2	2	5/8	15/16	1-1/4	17	2
360 Å	**079032**	51	2	24	4-1/2	21-1/2	2-1/2	5/8	1-1/4	1-1/4	16-1/2	2
370 Å	**079035**	58	2	26	5	23-1/2	2-3/4	5/8	1-1/4	1-1/4	18	2
380 Å	**057018**	67	2	25-3/4	4-1/2	23-1/2	2-1/4	5/8	15/16	1-1/4	17-3/4	2-1/4
400 Å	**057027**	87	2	28-1/2	4-3/4	26	2-1/2	3/4	1-1/8	1-3/8	18-3/4	2-3/8
410	**079038**	98	2	30	5-3/4	27	3-1/4	3/4	1-1/2	1-3/8	19-3/4	2-3/8
430	**057030**	108	3	30-3/4	5	27-3/4	2-1/2	7/8	15/16	1-1/2	20-1/2	2-1/2
450	**057033**	126	3	32-3/4	5-1/2	29-3/4	3	7/8	15/16	1-1/2	22-1/2	2-1/2
460	**079041**	169	3	34-1/2	7-3/4	31	4-1/2	7/8	1-3/4	1-1/2	23-3/4	2-1/2
480	**057036**	174	3	35	6-7/8	31-3/4	3-1/4	1	1-1/2	1-5/8	23-7/8	2-3/4
490	**057039**	170	3	36-1/2	6-1/2	33-1/4	3-1/2	1	1-1/2	1-5/8	25-1/2	2-7/8
500	**079044**	172	3	39	8-1/2	35	5	1	2	1-5/8	26-3/4	2-3/4
510A 510B	**079080** **079081**	230	3	41-1/4	7	37-1/2	4	1-1/8	1-11/16	1-3/4	28-1/8	3
540	**079087**	330	3	48	9-3/4	43	5-1/2	1-1/8	2-1/2	1-3/4	32-1/2	3
550A 550B	**079082** **079083**	350	3	47-3/4	7-3/4	43	4	1-1/2	2-1/4	2-1/8	32	3-1/2
560	**079084**	430	3	52-1/4	9	47-1/2	4-1/2	1-3/4	2-5/8	2-1/4	35-3/4	4
580	**079088**	575	3	59	10-3/4	52	6	1-1/2	3	2-1/8	40	3-1/2
600	**079089**	950	3	66	11-3/4	59	6-1/2	1-3/4	3-1/2	2-1/8	45	4
610	**079086**	1300	4	65-1/2	12	59-1/2	6-1/2	2	3	3	44	5
630	**079090**	2150	4	73-1/2	16	67-1/2	10	2	3	3	51	5

* Base plates are furnished with 4-bolt base only. These accept pillow blocks as Å noted 2-bolt on.y, Å 2 or 4-bolt, all others accept 4-bolt only.

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ENGINEERING

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Vibration Frequencies of DODGE Anti-Friction Mounted Bearings

More and more manufacturing facilities are getting involved with plant-wide preventive maintenance programs. By monitoring vibration levels of motors, pumps, fans and compressors, maintenance supervisors can predict imminent failures. Knowing that a piece of equipment is showing signs of potential failure permits scheduling of maintenance at an appropriate time and avoids the consequences of catastrophic failures. Shown in Tables 1 - 10 are vibration frequencies generated by bearing components defects. All frequencies are based on unity inner ring or cone rotation.

How to Use the Tables

If a 2-7/16 Type E pillow block is rotating at 1000 RPM, the vibration due to a failed component will show up at the following frequencies: (Table 3, Line 6)

Frequency

Cup Nick or Spall	= 1000 x 9.251	= 9251 RPM
Cone Nick or Spall	= 1000 x 11.749	= 11749 RPM
*Roller Nick or Spall	= 1000 x 4.011 x 2	= 8022 RPM
Cage (Train) Frequency (Inner Ring Rotation)	= 1000 x 0.441	= 441 RPM

Since all the values in Tables 1 - 10 are based on unity inner ring or cone rotation, the vibration due to flaws will show up at the frequencies obtained by multiplying the RPM times the factors found on the appropriate table. The resulting product will have units of RPM.

Table 1: All Setscrew, Eccentric, D-LOK & GT Ball Bearing Parameters For Vibration Analysis (1-RPS)

Series	SC Bore	SCM Bore	# Balls	Diameter of Balls	Pitch Diameter	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Ball Spin Frequency Hz	Cage Frequency Hz
203	1/2 - 5/8		8	17/64	1.1506	3.076569	4.923431	2.050406	0.384571
204	1/2 - 3/4		8	5/16	1.3251	3.056675	4.943325	2.002244	0.382084
205	7/8 - 1		9	5/16	1.5325	3.582382	5.417618	2.350042	0.398042
206	1-1/6 - 1-1/4	1	9	3/8	1.823	3.574328	5.425672	2.327814	0.397148
207	1-1/4 - 1-7/16	1-3/16	9	7/16	2.136	3.578301	5.421699	2.338732	0.397589
208	1-1/2 - 1-5/8	1-7/16 - 1-1/2	9	1/2	2.387	3.557394	5.442606	2.282266	0.395266
209	1-11/16 - 1-3/4	1-1/2	9	13/25	2.5591	3.585616	5.414384	2.359075	0.398402
210	1-15/16 - 2	1-11/16 - 1-3/4	10	1/2	2.7645	4.095677	5.904323	2.674068	0.409568
211	2-2-1/4	1-15/16 - 2	10	9/16	3.092	4.090395	5.909605	2.657484	0.409039
212	2-1/4 - 2-7/16	2-3/16 - 2-1/4	10	5/8	3.385	4.076809	5.923191	2.615681	0.407681
214	2-11/16	2-7/16 - 2-1/2	10	11/16	3.775	4.089404	5.910596	2.654395	0.408940
215	2-15/16	2-11/16	11	11/16	4.085	4.574357	6.425643	2.886760	0.415851
216		2-15/16 - 3	11	3/4	4.33	4.547344	6.452656	2.800062	0.413395
218		3-7/16 - 3-1/2	11	27/32	4.9199	4.556764	6.443236	2.829748	0.414251

Table 2: CC Ball Bearing Parameters For Vibration Analysis (1-RPS)

Series	Shaft Size	# Balls	Diameter of Balls	Pitch Diameter	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Ball Spin Frequency Hz	Cage Frequency Hz
205	15/16 - 1	9	5/16	1.516	3.572394	5.427606	2.322533	0.396933
206	1-1/8 - 1-3/16	9	3/8	1.811	3.568194	5.431806	2.311133	0.396466
207	1-1/4 - 1-7/16	9	7/16	2.106	3.565171	5.434829	2.302987	0.396130
209	1-11/16 - 1-3/4	9	1/2	2.362	3.547417	5.452583	2.256157	0.394157
210	1-15/16	10	1/2	2.756	4.092888	5.907112	2.665289	0.409289
211	2-3/16	10	9/16	3.051	4.078171	5.921829	2.619817	0.407817

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 3: Type E, K, DI, and TAF Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-3/16 - 1-1/4	19	0.23	1.774	17.533	8.325540	10.674460	3.797580	0.438186
1-3/8 - 1-7/16	20	0.29	2.084	16.5	8.665750	11.334250	3.529138	0.433287
1-1/2 - 1-11/16	18	0.35	2.411	16	7.744100	10.255900	3.377216	0.430228
1-3/4 - 2	17	0.41	2.709	12.033	7.241814	9.758186	3.231274	0.425989
2-3/16	19	0.41	3.014	13.283	8.242270	10.757730	3.611184	0.433804
2-1/4 - 2-1/2	21	0.41	3.337	14.5	9.251011	11.748989	4.011931	0.440524
2-11/16 - 3	24	0.41	3.9	16.733	10.791879	13.208121	4.707891	0.449662
3-3/16 - 3-1/2	26	0.46	4.78	18.167	11.811316	14.188684	5.152213	0.454281
3-15/16 - 4	26	0.51	5.12	17.567	11.765467	14.234533	4.974340	0.452518
4-7/16 - 4-1/2	25	0.59	5.727	18.983	11.282275	13.717725	4.807330	0.451291
4-15/16 - 5	25	0.68	6.568	17	11.262395	13.737605	4.782071	0.450496
5-7/16 - 6	32	0.67	8.444	17.75	14.790895	17.209105	6.265507	0.462215
6-7/16 - 7	27	0.93	9.791	19.167	12.288783	14.711217	5.221605	0.455140

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) /120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

Table 4: Type C Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-3/16 - 1-7/16	19	0.31	2.251	14.92	8.235801	10.764199	3.566352	0.433463
1-1/2 - 1-3/4	21	0.32	2.604	11.50	9.235581	11.764419	4.009748	0.439790
1-15/16	22	0.33	2.848	15.00	9.768852	12.231148	4.261097	0.444039
2 - 2-1/4	21	0.40	3.335	16.83	9.294571	11.705429	4.113807	0.442599
2-3/16 - 2-7/16	25	0.35	3.533	18.00	11.322284	13.677716	5.002340	0.452891
2-1/2 - 2-11/16	23	0.43	3.827	16.50	10.261076	12.738924	4.398352	0.446134
2-7/16 - 2-15/16	26	0.42	4.22	16.50	11.759442	14.240558	4.978061	0.452286
3 - 3-3/16	22	0.55	4.612	16.50	9.742225	12.257775	4.137910	0.442828
3-1/4 - 3-7/16	24	0.51	4.761	16.42	10.766982	13.233018	4.618367	0.448624
3-1/2 - 4	25	0.59	5.727	18.98	11.282253	13.717747	4.807328	0.451290
4-7/16 - 4-1/2	33	0.46	3.109	11.50	14.107710	18.892290	3.308310	0.427506
4-15/16 - 5	26	0.68	6.983	18.00	11.796028	14.203972	5.090519	0.453693

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) /120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

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Table 5: Special Duty Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-3/8 - 1-1/2	16	0.40	2.563	11.54	6.776702	9.223298	3.128839	0.423544
1-9/16 - 1-3/4	18	0.40	2.854	12.72	7.769570	10.230430	3.500820	0.431643
1-7/8 - 2	19	0.41	3.014	13.28	8.242255	10.757745	3.611183	0.433803
2-1/8 - 2-1/4	22	0.41	3.475	15	9.746381	12.253619	4.182764	0.443017
2-3/8 - 2-1/2	20	0.46	3.695	14.38	8.794078	11.205922	3.957897	0.439704
2-5/8 - 3	22	0.51	4.336	15.07	9.750677	12.249323	4.196146	0.443213
3-3/16 - 3-1/2	23	0.59	5.22	17.42	10.259806	12.740194	4.372280	0.446079
3-11/16 - 4	23	0.68	5.942	15.50	10.231809	12.768191	4.315984	0.444861
4-7/16 - 4-1/2	26	0.68	6.983	18	11.796028	14.203972	5.090519	0.453693
4-15/16 - 5	24	0.81	7.537	16.42	10.762960	13.237040	4.603028	0.448457
5-7/16 - 6	24	0.93	9.123	17.33	10.832249	13.167751	4.858391	0.451344
6-1/2 - 7	29	0.93	10.19	19.23	13.250482	15.749518	5.437812	0.456913
7-15/16 - 8	27	1.12	11.471	12.42	12.212741	14.787259	5.074422	0.452324
8-1/2 - 10	41	0.87	13.979	16.40	19.276067	21.723933	8.005271	0.470148
11 - 12	37	1.20	16.061	12.50	17.150534	19.849466	6.656476	0.463528

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

Table 6: All Steel Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
2-11/16 - 3	27	0.36	4.114	15.50	12.361632	14.638368	5.673261	0.457838
3-1/4 - 3-1/2	26	0.51	5.120	17.57	11.765488	14.234512	4.974342	0.452519
3-15/16 - 4	33	0.48	5.814	12.50	15.170061	17.829939	6.016904	0.459699
4-7/16 - 4-1/2	29	0.60	6.503	12.92	13.196026	15.803974	5.375340	0.455035
4-15/16 - 5	32	0.61	7.355	12.50	14.704466	17.295534	5.989163	0.459515
5-7/16	27	0.84	8.272	12	12.159067	14.840933	4.875231	0.450336
5-15/16 - 6	26	0.85	8.323	12	11.701366	14.298634	4.847026	0.450053
6-7/16 - 7	32	0.81	9.748	12.50	14.702011	17.297989	5.977683	0.459438
7-1/2 - 8	27	1.12	11.471	12.42	12.212741	14.787259	5.074422	0.452324
9 - 10	32	1.28	14.026	12.03	14.571921	17.428079	5.435259	0.455373

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 7: Spherical Roller Bearing Parameters for Vibration Analysis (1-RPS)

Basic Bearing Series	USAF/SAF-XT Bore Sizes (in)	S2000 Unisphere II Bore Sizes (in)	Imperial Bore Sizes (in)	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
22207E1ASKM				15	0.3937	2.166	11.750	6.165339	8.834661	2.663713	0.411023
22208E1ASKM		1-3/8 - 1-1/2	1-1/8 - 1-1/2	15	0.4488	2.449	10.583	6.148942	8.851058	2.639849	0.409929
22209E1ASKM	1-7/16	1-11/16 - 1-3/4	1-5/8 - 1-3/4	17	0.4291	2.665	9.750	7.151157	9.848843	3.027139	0.420656
22210E1ASKM	1-11/16	1-15/16 - 2	1-7/8 - 2	18	0.4331	2.858	9.083	7.653247	10.346753	3.225588	0.425180
22211E1ASKM	1-15/16	2-3/16	2-3/16 - 2-1/4	19	0.4646	3.189	8.750	8.132069	10.867931	3.360826	0.428004
22213E1ASKM	2-3/16	2 -7/16	2-3/8 - 2-1/2	18	0.5827	3.795	9.083	7.635432	10.364568	3.181534	0.424191
22215E1ASKM	2-7/16 - 2-1/2	2-11/16 - 3	2-11/16 - 3	20	0.5748	4.197	8.250	8.644623	11.355377	3.583768	0.432231
22216E1ASKM	2-11/16 - 2-3/4			19	0.6535	4.48	8.167	8.128283	10.871717	3.356234	0.427804
22217E1ASKM	2-15/16 - 3			18	0.7323	4.764	8.417	7.631462	10.368538	3.177554	0.423970
22218E1ASKM	3-3/16	3-7/16	3-3/16 - 3-1/2	18	0.7795	5.079	8.833	7.635107	10.364893	3.182930	0.424173
22220E1ASKM	3-7/16 - 3-1/2	3-15/16 - 4	3-11/16 - 4	18	0.878	5.705	9.000	7.631952	10.368048	3.173794	0.423997
22222E1ASKM	3-15/16 - 4	4-7/16	4-7/16 - 4-1/2	17	1.0197	6.287	9.417	7.139947	9.860053	3.003844	0.419997
22224E1ASKM	4-3/16			18	1.0472	6.819	9.417	7.636487	10.363513	3.181095	0.424249
22226E1ASKM	4-7/16 - 4-1/2	4-15/16	4-15/16 - 5	18	1.1181	7.307	9.750	7.642733	10.357267	3.193282	0.424596
22228E1ASKM	4-15/16 - 5		5-7/16 - 5-1/2	18	1.2165	7.933	9.583	7.639139	10.360861	3.186035	0.424397
22230E1ASKM	5-3/16			18	1.315	8.559	9.500	7.636209	10.363791	3.179646	0.424234
22232E1ASKM	5-7/16 - 5-1/2		5-15/16 - 6	18	1.4094	9.189	9.667	7.639189	10.360811	3.185371	0.424399
22234E1ASKM	5-15/16 - 6			17	1.5827	9.74	9.833	7.139085	9.860915	2.998143	0.419946
22236E1ASKM	6-7/16 - 6-1/2		6-7/16 - 7	18	1.5591	10.157	9.417	7.637116	10.362884	3.182632	0.424284
22238E1ASKM	6-15/16 - 7			20	1.4961	10.669	10.667	8.621944	11.378056	3.497892	0.431097
22240E1ASKM	7-3/16			19	1.6142	11.021	10.833	8.133372	10.866628	3.343119	0.428072
22244E1ASKM	7-1/2 - 8			19	1.8504	12.48	10.833	8.116546	10.883454	3.300728	0.427187
23048KMB	8-7/16 - 9			29	1.1417	12.008	9.333	13.139616	15.860384	5.212536	0.453090
23052KMB	9-7/16 - 9-1/2			27	1.378	13.228	9.667	12.113633	14.886367	4.749092	0.448653
23056KMB	9-15/16 - 10-1/2			28	1.378	13.976	9.333	12.637908	15.362092	5.023115	0.451354

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

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Table 8: DODGE USAF Air Handling Spherical Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-7/16	22209E1K	17	0.3937	2.5976	10.0000	7.231287	9.768713	3.225462	0.425370
1-11/16	22210E1K	19	0.3937	2.7976	9.2500	8.180471	10.819529	3.484413	0.430551
1-15/16	22211E1K	18	0.4528	3.0921	8.9200	7.698000	10.302000	3.342963	0.427667
2-3/16	22213E1K	19	0.5315	3.7110	9.2500	8.157076	10.842924	3.421302	0.429320
2-7/16 - 2-1/2	22215E1K	21	0.5315	4.1098	8.3300	9.156413	11.843587	3.802922	0.436020
2-11/16 - 2-3/4	22216E1K	20	0.5709	4.3638	8.2500	8.705275	11.294725	3.757794	0.435264
2-15/16 - 3	22217E1K	20	0.6299	4.6811	8.5000	8.669157	11.330843	3.649937	0.433458
3-3/16	22218E1K	20	0.6693	4.9602	8.8300	8.666651	11.333349	3.639636	0.433333
3-7/16 - 3-1/2	22220E1K	19	0.7677	5.5606	9.0000	8.204572	10.795428	3.554256	0.431820
3-15/16 - 4	22222E1K	19	0.8661	6.1559	9.4200	8.181428	10.818572	3.485342	0.430601
4-3/16	22224E1K	19	0.9252	6.6382	9.5800	8.194401	10.805599	3.519683	0.431284
4-7/16 - 4-1/2	22226E1K	19	0.9843	7.1358	9.9200	8.209178	10.790822	3.557887	0.432062
4-15/16 - 5	22228E1K	19	1.0630	7.7232	9.6700	8.211024	10.788976	3.565861	0.432159

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 9: Split-Spherical Roller Bearing Parameters For Vibration Analysis

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
2-3/16	22213SS	17	0.559	3.414	9.000	7.125120	9.874880	2.973241	0.419125
2-7/16	22215SS	18	0.551	3.748	9.083	7.693012	10.306988	3.328155	0.427390
2-11/16	22216SS	19	0.579	3.950	8.667	8.124082	10.875918	3.341232	0.427583
2-15/16	22217SS	20	0.575	4.153	8.250	8.630263	11.369737	3.544783	0.431513
3-3/16	22218SS	19	0.654	4.435	8.167	8.114365	10.885635	3.321078	0.427072
3-7/16	22220SS	18	0.780	5.079	8.833	7.635107	10.364893	3.182930	0.424173
3-15/16 - 4	22222SS	18	0.878	5.634	9.000	7.614712	10.385288	3.132415	0.423040
4-3/16	22224SS	17	1.110	6.203	9.417	6.999864	10.000136	2.707845	0.411757
4-7/16 - 4-1/2	22226SS	18	1.047	6.727	9.417	7.617839	10.382161	3.136146	0.423213
4-15/16	22228SS	18	1.118	7.202	9.750	7.622945	10.377055	3.145244	0.423497
5-3/16	22230SS	18	1.217	7.822	9.583	7.619828	10.380172	3.139355	0.423324
5-7/16	22232SS	18	1.315	8.442	9.500	7.617307	10.382693	3.134123	0.423184
5-15/16 - 6	22234SS	18	1.409	9.059	9.667	7.619661	10.380339	3.138182	0.423314
6-7/16 - 6-1/2	22236SS	18	1.409	9.059	9.667	7.619661	10.380339	3.138182	0.423314
6-15/16 - 7	22238SS	18	1.559	10.021	9.417	7.618619	10.381381	3.138004	0.423257
7-3/16	22240SS	16	1.579	10.716	9.417	6.837308	9.162692	3.322243	0.427332
7-1/2 - 8	22244SS	16	1.752	11.257	9.500	6.771984	9.228016	3.136916	0.423249
8-1/2 - 9	23048SS	20	1.307	11.189	8.083	8.843406	11.156594	4.222831	0.442170
9-1/2	23052SS	22	1.339	11.949	8.417	9.780985	12.219015	4.408432	0.444590
10	23056SS	20	1.539	13.175	8.667	8.844916	11.155084	4.222170	0.442246

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 10: USDAF Spherical Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
10-15/16 - 11	23060K	27	1.575	15.066	9.5	12.108065	14.891935	4.732011	0.448447
11-7/16 - 12	23064K	28	1.575	15.85	9.333	12.627248	15.372752	4.983368	0.450973
12-7/16 - 12-1/2	23068K	27	1.732	17.007	9.5	12.144010	14.855990	4.860109	0.449778
12-15/16 - 13-1/2	23072K	28	1.732	17.793	9.333	12.655257	15.344743	5.089157	0.451973
13-15/16 - 14	23076K	30	1.732	18.587	9	13.619458	16.380542	5.320311	0.453982
15	23080K	29	1.929	19.822	9.167	13.106938	15.893062	5.090472	0.451963
15-3/4	23084K	30	1.929	20.609	9	13.613287	16.386713	5.296232	0.453776
9-7/16 - 9-1/2	23152K	23	1.693	13.914	12.5	10.133894	12.866106	4.051285	0.440604
10-7/16 - 10-1/2	23156K	24	1.732	14.711	12	10.618053	13.381947	4.190502	0.442419
10-15/16 - 11	23160K	23	1.89	15.923	12.333	10.166494	12.833506	4.155793	0.442021
11-15/16 - 12	23164K	23	2.087	17.044	12.833	10.127024	12.872976	4.025170	0.440305
12-7/16 - 12-1/2	23168K	23	2.244	18.272	12.833	10.122953	12.877047	4.012925	0.440128
13-7/16 - 13-1/2	23172K	24	2.244	19.077	12.333	10.621032	13.378968	4.194537	0.442543
13-15/16 - 14	23176K	25	2.323	19.833	12	11.067894	13.932106	4.212801	0.442716
8-15/16 - 9	23248K	20	1.929	13.523	14	8.615913	11.384087	3.438035	0.430796
9-7/16 - 9-1/2	23252K	19	2.126	14.745	14	8.170935	10.829065	3.399907	0.430049
10-7/16 - 10-1/2	23256K	20	2.126	15.537	13.583	8.669925	11.330075	3.589401	0.433496
10-15/16 - 11	23260K	20	2.323	16.706	13.833	8.649811	11.350189	3.530230	0.432491
11-15/16 - 12	23264K	20	2.441	17.878	14	8.675192	11.324808	3.597751	0.433760
12-7/16 - 12-1/2	23268K	20	2.638	19.048	14.167	8.657198	11.342802	3.545213	0.432860

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Mounted Bearings Life Adjustment Factor

1.1 GENERAL. For certain applications, it is desirable to specify life for reliability other than 90%. In such cases a life adjustment factor for reliability may be applied to the RATING LIFE. Section 1.2 discusses life adjustment factors for reliability.

Some bearing steels; e.g., vacuum-melted steels, and improved processing techniques, permit manufacture of bearings which offer endurance greater than that calculated by the RATING LIFE formula. Section 1.3 recommends methods to incorporate life adjustment factors for bearing materials into the life formula.

Bearing life calculated according to the RATING LIFE formula assumes proper application conditions. If lubrication is not adequate, loading unusual, or temperatures extreme, the ability of the bearing to attain or exceed the RATING LIFE is seriously impaired. Section 1.4 contains some basic recommendations concerning the effect of unusual application conditions on bearing life.

1.2 LIFE ADJUSTMENT FACTOR FOR RELIABILITY. Bearing life estimated in accordance with this standard is RATING LIFE; i.e., the life associated With 90% reliability or the life which 90% of a group of apparently identical bearings in a given application under similar conditions of load and speed will complete or exceed. While RATING LIFE has proven useful over a period of years as a criterion of performance, some applications require definition of life at reliabilities greater than 90%.

To determine bearing life with reliabilities other than 90% (as previously calculated in the Selection Procedure) the L_{10} must be adjusted by factor a_1, such that $L_n = a_1 \times L10$.

The life adjustment factors for reliability from Table 11 are recommended.

Table 11: Life Adjustment Factors For Reliability

Reliability %	Ln		Life Adjustment Factor for Reliability a1
90	L10		1
95	L5		0.62
96	L4	(Rating Life)	0.53
97	L3		0.44
98	L2		0.33
99	L1		0.21

1.3 LIFE ADJUSTMENT FACTOR FOR MATERIAL. For bearings, which incorporate improved materials and processing, the L_{10} (as previously calculated in the Selection Procedure) must be adjusted by factor a_2. Factor a_2 depends upon steel analysis, metallurgical processing, forming methods, heat treatment and manufacturing methods in general.

Bearings fabricated from consumable vacuum remelted steels and certain other special analysis steels have demonstrated extraordinarily long endurance. These steels are of exceptionally high quality, and bearings fabricated from these are usually considered special manufacture. As such, a_2 values will not be specified for such steels in this discussion. Generally, a_2 values for such steels can be obtained from the bearing manufacturer.

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1.4 LIFE ADJUSTMENT FACTOR FOR APPLICATION CONDITIONS. Application conditions which affect bearing life include:

1. Lubrication.
2. Load distribution (including effects of clearance, misalignment, housing, and shaft stiffness, type of loading and thermal gradients).
3. Temperature.
   Consideration of (1.2) and (1.3) above requires analytical and experimental techniques beyond the scope of this discussion, therefore, the user should consult the bearing manufacturer for evaluations and recommendations.
   In most bearing applications, lubrication serves to separate the rolling surfaces; i.e., rolling elements and raceways; to reduce retainer-rolling elements and retainer-land friction and sometimes to act as a coolant to remove frictional heat generated by the bearing.
   If all limitations and qualifications specified by this discussion are observed, then the life adjustment application factor for bearings which are adequately lubricated is 1; i.e., a_3=1.
   Operating conditions where a_3 might be less than 1 include:
   a) exceptionally low values of Ndm (rpm times bore diameter in mm); e.g., Ndm 1000.
   b) Lubricant viscosity less than 20.4 centistokes (100 SUS) at operating temperature.
   c) Excessively high operating temperatures.
   When a3 is less than 1, it may not be assumed that the deficiency in lubrication can be overcome by using an improved steel.

1.5 FACTOR COMBINATIONS. A fatigue life formula including the life adjustment factors is:

Ball Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C^*}{P}\right)^3 \times \frac{(16.667)}{RPM}$$

Tapered Roller Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C90^*}{P}\right)^{10/3} \times \frac{(1{,}500{,}000)}{RPM}$$

Spherical Roller Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C^*}{P}\right)^{10/3} \times \frac{(16.667)}{RPM}$$

Indiscriminate application of the life adjustment factors in this formula may lead to serious over-estimation of bearing endurance, since fatigue life is only one criterion for bearing selection.

Care must be exercised to select bearings which are of sufficient size for the application. Undersizing of shaft and housing structures by using bearings which appear adequate from a life standpoint could lead to misalignment and fitting problems which could invalidate the formulas in this discussion.

* C = Basic Load Rating computed in accordance with ABMA-ANSI Standards.
C90 = C x .259

V-Belt Drive Formulas

V-belt tensioning In cases where tensioning of a drive effects belt pull and bearing loads, the following formulas may be used.

$$T1\text{-}T2 = 33{,}000\left(\frac{HP}{V}\right)$$

where: T1 = tight side tension, pounds
T2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute

$$T1 + T2 = 33{,}000\ (2.5\text{-}G)\left(\frac{HP}{GV}\right)$$

where: T1 = tight side tension, pounds
T2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute"
G = arc of contact correction factor*

$$T1/T2 = \frac{1}{1\text{-}0.8G} \quad (\text{Also } T1/T2 = e^{K\emptyset})$$

where: T1 = tight side tension, pounds
T2 = slack side tension, pounds
G = arc of contact correction factor*
e = base of natural logarithms
K = .51230, a constant for V-belt drive design
Ø = arc of contact in radians

$$T1 = 41{,}250\ (HP/GV)$$

where: T1 = tight side tension, pounds
HP = design horsepower
V = belt speed, feet per minute
G = arc of contact correction factor

$$T2 = 33{,}000\ (1.25\text{-}G)\ (HP/GV)$$

where: T2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute
G = arc of contact correction factor

Belt Speed

$$V = \frac{(PD)\ (RPM)}{3.82} = (PD)\ (rpm)\ (.262)$$

where: V = belt speed, feet per minute
PD = pitch diameter of sheave or pulley
rpm = revolutions per minute of the same sheave or pulley

* See Table 12 at left

Table 12: Arc of Contact Correction Factor G

D-d / C	Small Sheave Arc of Contact	Factor G	D-d / C	Small Sheave Arc of Contact	Factor G
.00	180°	1.00	.80	133°	.87
.10	174°	.99	.90	127°	.85
.20	169°	.97	1.00	120°	.82
.30	163°	.96	1.10	130°	.80
.40	157°	.94	1.20	106°	.77
.50	151°	.93	1.30	99°	.73
.60	145°	.91	1.40	91°	.70
.70	139°	.89	1.50	83°	.65

D = Diam. of large sheave. d = Diam. of small sheave
C = Center distance

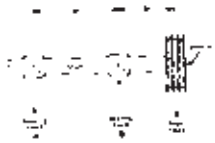
Table 13: Allowable Sheave Rim Speed

Sheave Material	Rim Speed in Feet per Minute
Cast Iron	6,500
Ductile Iron	8,000
Steel	10,000

NOTE: Above rim speed values are maximum for normal considerations. In some cases these values may be exceeded. Consult factory and include complete details of proposed application.

Bearing Load Calculations

To find actual bearing loads, it is necessary to know machine component weights and values of all other forces contributing to the load. Sometimes it becomes desirable to know the bearing load imposed by the V-belt drive alone. This can be done if you know bearing spacing with respect to the sheave center and shaft load and apply it to the following formulas:

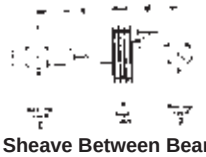


Overhung Sheave

$$\text{Load at B, lbs.} = \frac{\text{Shaft Load x (a + b)}}{a}$$

$$\text{Load at A, lbs} = \text{Shaft Load x } \frac{b}{a}$$

Where: a and b = Spacing, inches



Sheave Between Bearings

$$\text{Load at D, lbs.} = \frac{\text{Shaft Load x c}}{c + d}$$

$$\text{Load at C, lbs} = \frac{\text{Shaft Load x d}}{c + d}$$

Where: c and d = Spacing, inches

Nominal V-Belt Cross Sections

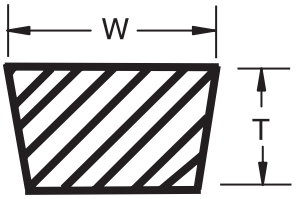


Table 14: Nominal V-Belt Cross Sections

Belt Section	Industry Standard Description	Width W, in Inches	Thickness T, in Inches
3L	FHP, Single	3/8	7/32
4L		1/2	5/16
5L		21/32	3/8
3V	Narrow	3/8	5/16
5V		5/8	17/32
8V		1	29/32
A	Classical Multiple	1/2	5/16
B		21/32	13/32
C		7/8	17/32
D		1-1/4	3/4

Pulley Dia. Inches	FPM												
	100	150	200	250	300	350	400	500	600	700	800	900	1000
6	64	95	127	159	191	223	254	318	382	445	509	573	636
8	48	72	95	119	143	167	191	239	286	334	382	429	477
10	38	57	76	95	115	134	153	191	229	267	305	344	382
12	32	48	64	80	95	111	127	159	191	223	254	286	318
14	27	41	55	68	82	95	109	136	164	191	218	245	273
16	24	36	48	60	72	83	95	119	143	167	191	215	239
18	21	32	42	53	64	74	85	106	127	148	170	191	212
20	19	29	38	48	57	67	76	95	115	134	153	172	191
24	16	24	32	40	48	56	64	80	95	111	127	143	159
30	13	19	25	32	38	45	51	64	76	89	102	115	127
36	11	16	21	27	32	37	42	53	64	74	85	95	106
42	9	14	18	23	27	32	36	45	55	64	73	82	91
48	8	12	16	20	24	28	32	40	48	56	64	72	80
54	7	11	14	18	21	25	28	35	42	49	57	64	71
60	6	10	13	16	19	22	25	32	38	45	51	57	64

For values not shown use formula below:

SFM =.2618 x D x RPM

SFM = Surface feet Per Minute

D = Pulley Diameter, Inches

RPM = Revolutions per Minute

Table 15: Material Characteristics

MATERIAL	DENSITY (LB/FT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION (DEG)
Alfalfa, Ground	16	45°	
Alum, Lumpy	50 - 60	35°	
Alum, Pulverized	45 - 50	35°	
Alumina	60	30°	10-12
Aluminum Oxide	70 - 120	30°	
Ammonium Sulphate	45 - 60	45°	
Asbestos, Shredded	20 - 25	45°	
Ashes, Dry	35 - 40	45°	
Ashes, Wet	45 - 50	45°	
Ashes, Soft Coal	35 - 45	40°	
Asphalt, Crushed	45	35°	
Bagasse	7.50	45°	
Bakelite, Powder	30 - 40	45°	
Baking Powder	40 - 50	35°	
Bark, Wood Refuse	10 - 20	45°	27
Barley	38	25°	10-15
Basalt	80 - 120	25°	
Bauxite, Crushed	75 - 85	35°	20
Beans, Castor, Whole	30 - 45	25°	8-10
Beans, Cocoa	30 - 45	35°	
Beans, Navy	50	25°	
Beans, Whole	45	45°	
Bentonite, Crude	35 - 40	45°	
Bentonite, Fine	50 - 60	45°	
Bones, Pulverized	50 - 60	45°	
Borax, Fine	50 - 55	35°	
Borax Coarse	60 - 70	35°	
Bran	16	35°	
Brewers Grain, Dry	25 - 35	45°	
Brewers Grain, Wet	55 - 60	45°	
Buck Wheat	40	25°	11-13
Calcium, Carbide	70 - 80	35°	
Carbon Black, Pellets	25	25°	
Carbon Black, Powder	5	35°	
Cast Iron Chips	100 -120	45°	
Cement, Clinker	75 - 90	35°	
Cement, Portland	80 -100	35°	20-23
Chalk, Fine	65 - 75	45°	
Chalk, Lumpy	80 - 95	45°	
Charcoal, Wood	15 - 30	35°	20-25
Chromium Ore	125 - 140	35°	
Cinders, Coal	40	35°	20
Clay, Dry, Fine	100 - 120	35°	20-22
Clay, Dry, Lumpy	60 - 75	35°	18-20
Coal, Anthracite, Coarse	60 - 70	35°	18
Coal, Anthracite, Loose	50 - 60	30°	16
Coal, Bituminous, Coarse	50 - 60	35°	18
Coal, Bituminous, Loose	45 - 50	35°	16
Cocoa Nibs	35 - 40	35°	
Coconut, Shredded	20 - 25	45°	
Coffee, Fresh Beans	30 - 40	35°	10-15
Coffee, Roasted Beans	22 - 30	25°	
Coke, Loose	23 - 32	35°	18
Coke Pulverized	25 - 35	45°	20-22
Coke, Petroleum Calcinated	35 - 45	35°	20
Concrete, Cinder	112	0°	12-30
Concrete, Gravel & Sand	150	0°	
Copper Ore	120 - 150	35°	20
Copper Sulfate	75 - 85	30°	17
Cork, Ground	5 - 15	45°	
Corn, On Cob	45	0°	

MATERIAL	DENSITY (LB/FT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION (DEG)
Corn, Shelled	45	25°	10
Corn Sugar	30	35°	
Corn Grits	40 - 45	35°	
Cornmeal	32- 40	35°	22
Cottonseed, Dry, De-Linted	35	35°	16
Cottonseed, Dry, Not De-Linted	18- 25	45°	19
Cottonseed, Cake, Lumpy	40- 45	35°	
Cottonseed, Hulls	12	45°	
Cottonseed, Meal	35- 40	35°	22
Cottonseed, Meats	40	35°	
Cryolite	90-110	35°	
Cullet	80-120	35°	20
Diatomaceous Earth	11- 14	35°	
Dolomite, Lumpy	90-100	35°	22
Dolomite, Pulverized	46	40°	
Earth, Dry"	70- 80	35°	20
Earth, Moist	75-110	40°	23
Earth, Fullers Dry	30- 35	23°	20
Emery	225	25°	
Epsom Salt	40- 50	35°	
Feldspar, Lumps	70-100	35°	17
Feldspar, Dust	80-100	40°	
Fish, Meal	35- 40	40°	
Fish, Scrap	40- 50	0°	
Flaxseed, Whole	45	25°	12
Flaxseed, Meal	25	35°	
Flour, Wheat	35- 40	45°	21
Flue Dust, Dry	30- 40	20°	
Fluorspar, Dust	85- 95	45°	
Fluorspar, Lumps	80-110	45°	
Foundry, Refuse	60- 80	35°	
Foundry Sand, Loose	80- 90	35°	
Foundry Sand, Rammed	100-110	0°	
Galena	250	35°	
Garbage, Average	30	25°	
Glass, Batch Fiber	45 - 55	10°	
Glass, Batch Wool	80-100	35°	20-22
Glass, Broken	80-100	10°	
Glue, Animal, Flaked	35	25°	
Glue, Vegetable, Powdered	40	35°	
Gluten, Meal	39	35°	
Granite, Lumps	150 -170	25°	
Graphite, Flakes	40	35°	
Graphite, Powder	30	25°	
Graphite, Ore	65 - 75	35°	
Grass Seed	10	35°	
Gravel, Dry	90-100	35°	15-17
Gravel, Wet	100-120	35°	
Gypsum, Lumps	90-100	35°	15
Gypsum, Ground	75- 80	35°	21
Hay, Loose	5	0°	
Hay, Pressed	25	0°	
Hominy	35- 50	35°	
Hops, Spent, Dry	25- 35	45°	
Hops, Spent, Wet	55- 60	45°	
Ice, Crushed	35- 40	20-	
Ilmenite Ore	140-160	35°	
Iron Ore	120-180	35°	18-20
Iron Ore, Pellets	120-140	35°	13-15
Iron Sulphate	50- 75	35°	
Iron Sulfide	120-140	35°	

ENGINEERING/TECHNICAL

DODGE®

Table 16: Material Characteristics

MATERIAL	DENSITY (LB/IT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION (DEG)
Kaolin, Clay	60	35°	19
Lactose	30	35°	
Lead Ore, Crushed	180 - 270	30°	
Lead Oxides	60 - 150	40°	
Lead Sulfate	170 - 190	45°	
Lead Sulfide	240 - 260	35°	
Lignite, Air Dried	45 - 55	35°	
Lime, Ground	60 - 65	40°	23
Lime, Hydrated	40	40°	21
Lime, Pebble	30 - 40	40°	17
Limestone, Loose	80 - 100	35°	20
Limestone, Pulverized	85 - 90	45°	18
Linseed, Whole	45 - 50	25°	
Linseed, Meal	30 - 40	35°	20
Magnesium Chloride	30 - 35	40°	
Magnesium Sulfate	40 - 60	35°	
Malt, Dry	25 - 30	30°	
Malt, Wet	60 - 65	45°	
Malt, Meal	35 - 40	35°	
Manganese Ore	125 - 140	40°	
Manganese Oxide	120	35°	
Manganese Sulfate	70	35°	
Manure	25	0°	
Marble, Crushed	80 - 95	35°	
Marl	80	35°	
Mica, Flakes	20	20°	
Mica, Ground	15	35°	23
Milk, Dried, Flaked	5	35°	
Milk, Malted	25 - 35	45°	
Milk, Powdered	20 - 30	40°	
Milo Maize	55 - 60	35°	
Molybdenum Ore	100 - 110	40°	
Mortar, Wet	150	0°	
Niacin	35	35°	
Nickel-Cobalt Sulfate Ore	80 - 150	35°	
Oats	25 - 35	25°	10
Oats, Rolled	20	35°	
Oil Cake	50	45°	
Oxalic Acid Crystals	60	35°	
Oyster Shells, Ground	50 - 60	35°	
Oyster Shells, Whole	80	35°	
Paper Pulp Stock	40 - 60	20°	
Peanuts, Shelled	35 - 45	35°	
Peanuts, Not Shelled	15 - 20	35°	
Peas, Dried	45 - 50	0°	
Phosphate, Fertilizer	50 - 60	35°	30
Phosphate, Rock, Crushed	60 - 100	35°	25
Potash	70 - 80	30°	
Potassium Chloride	120 - 130	35°	
Potassium Nitrate	75 - 80	25°	
Potassium Sulfate	45	45°	
Potatoes, White”	48	0°	
Pumice, Ground	40 - 45	45°	
Pyrites, Lumps	135 - 145	25°	
Pyrites, Pellets	120 - 130	35°	
Quartz, Lumps	95 - 100	25°	
Quartz, Sand	70 - 80	25°	
Rice, Hulled	45 - 50	20°	8
Rice, Rough	35	35°	
Rice, Grits	40 - 45	35°	
Rock, Crushed	100 - 150	30°	

MATERIAL	DENSITY (LB/IT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION (DEG)
Rubber, Pellets	50 - 55	35°	22
Rubber, Ground Scrap	25 - 35	45°	18
Rye	42 - 45	25°	8
Rye Meal	35 - 40	20°	
Salt Cake	80 - 95	30°	21
Salt, Coarse”	45 - 55	35°	18-22
Salt, Fine”	70 - 80	35°	11
Sand, Wet	110 - 130	45°	20-22
Sand, Dry	90 - 110	35°	16-18
Sand, Loose, Foundry	80 - 100	35°	22
Sand, Foundry, Rammed	100 - 110	0°	24
Sandstone	80 - 90	35°	
Sawdust	10 - 25	30°	22
Scale, Rolling Mill	125 - 160	45°	
Sewage Sludge, Dry	45 - 55	35°	
Sewage Sludge, Wet	50 - 60	35°	
Shale, Broken	90 - 100	25°	
Shale, Crushed	85 - 90	40°	22
Silica Gel, Dry	45	35°	
Slag, Blast Furnace	80 - 90	25°	10
Slag, Granular, Dry	60 - 65	25°	13-16
Slag, Granular, Wet	90 - 100	45°	20-22
Slate, Ground	80 - 90	30°	15
Slate, Lumps	85 - 95	0°	
Snow, Compacted	15 - 50	0°	
Soap	10 - 25	35°	
Soda Ash, Briquettes	50	20°	7
Soda Ash, Heavy	55 - 65	30°	19
Soda Ash, Light	20 - 35	35°	22
Sodium Aluminum, Ground	72	35°	
Sodium Nitrate, Ground	70 - 80	24°	11
Sodium Phosphate	50 - 65	35°	
Soybeans, Cracked	30 - 40	35°	15-18
Soybeans, Whole”	45 - 50	25°	12-16
Starch, Powdered	25 - 45	25°	12
Steel, Chips	100 - 150	35°	18
Steel, Turnings	60 - 120	45°	
Sugar, Cane, Raw	55 - 65	45°	
Sugar. Granulated, Dry	50 - 55	35°	
Sugar, Granulated, Wet	55 - 65	40°	
Sugar Cane, Knifed	15 - 18	45°	
Sulphur, Lumps	80 - 85	35°	
Sulphur, Dust	50 - 70	35°	
Saconite, Pellets	120 - 140	35°	13-15
Salc, Granulated	50 - 70	20°	
Titanium Dioxide	140	35°	
Titanium Sponge	60 - 70	45°	
Tobacco, Leaves	14	45°	
Tobacco, Scraps	15 - 25	45°	
Tobacco, Stems	15	45°	
Traprock, Crushed	95 - 110	35°	
Traprock, Lumps	100 - 110	35°	
Turf	20 - 30	0°	
Walnut, Shells	35 - 45	35°	
Wheat	48	25°	12
Wheat, Cracked	40 - 45	35°	
Wheat Germ, Dry	20 - 30	25°	27
Wood Chips	10 - 30	45°	22
Zinc Ore, Granular	160	35°	
Zinc Oxide	10 - 35	45°	

Shafting

Table 17: Typical Commercial Shaft Tolerances

Shaft Size	Plus	Minus
Up to 1-1/2”	.000	.002
Over 1-1/2 to 2-1/2”	.000	.003
Over 2-1/2 to 4”	.000	.004
Over 4 to 6”	.000	.005
Over 6 to 8”	.000	.006
Over 8 to 9”	.000	.007
Over 9”	.000	.008

Table 18: Shaft Tolerances

Shaft Size	Tolerance, Inches
Up to 1-1/2”	+.0000 -.0005”
1-5/8 to 4”	+.000 -.001”
4-7/16 to 6”	+.000 -.0015”
6-7/16 to 8”	+.000 -.002”

Table 18 lists the recommended tolerances for all setscrew locking, eccentric locking and D-LOK locking ball and roller bearings

Table 19: Shaft Tolerances

Shaft Size	Tolerance, Inches
Up to 1-1/2”	+.000 -.002”
1-9/16 to 2-1/2”	+.000 -.003”
2-5/8 to 4”	+.000 -.004”
4-3/16 to 6”	+.000 -.005”
6-7/16” and above	+.000 -.006”

Table 19 list the recommended tolerances for all tapered adapter sleeve ball and roller bearings

Standard Shafting-Table 17 indicates standard shafting is cold drawn in the smaller sizes and turned and polished in the larger diameters. It has a smooth surface, is commercially straight and is readily machinable; suitable and recommended for general power transmission and material handling service.

Special Shafting-While standard shafting is suitable for most installations, special shafting is sometimes required for certain chemical, temperature or physical requirements. Such materials as high carbon steel, alloy steel, stainless steel, brass, Monel metal, etc., can be furnished plain or heat treated. Stepped, flanged, hollow or other special forms are available.

Special shafting should be avoided in favor of standard shafting wherever possible because special shafting is usually considerably more expensive and requires a greater length of time to obtain, which is an especially important consideration should quick replacement ever become necessary.

Ordering Shafting-Standard shafting can be obtained from most supply houses and dealers who handle power transmission material.

Turning Down Shaft Ends-When necessary to turn down shaft ends, use as large a fillet as possible to keep the stress concentration to a minimum. The radius of this fillet should preferably be not less than the difference in the two diameters joined by the fillet. The fillet should be finished and polished as smoothly as possible to avoid scratches which might start cracks and lead to failure of the shaft by fatigue.

Selection of Shaft Diameters

Tables 20 - 23 inclusive can be used to find approximate shaft diameter for various service conditions For greater accuracy use chart under heading “Combined Torsion and Bending of Standard Shafts” (B16-19).

Tables and chart are based upon a safe shear stress of 6,000 pounds per square inch for standard keyseated shafting. Be generous in the selection of shaft diameters as liberal diameters not only reduce deflection and vibration but also generally increase bearing life.

When necessary to use other than standard shafting, find the required diameter for standard shafting as outlined above and multiply by proper factor shown in Table 24, under heading “Factors for Shafting Other than Standard Shafting, “(B16-18).

Selection of Shaft Diameters (Cont'd)

Table 20: No Bending Moment (Shafts without pulleys, sprockets or gears - Torsion only)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
15/16	0.30	0.70	1.10	1.50	1.90	2.30	2.60	3	3.40	3.80	4.20	4.60	5.30	6.10	7.70	9.20	10.70	12.30	13.80
1-3/16	0.70	1.50	2.30	3.10	3.90	4.60	5.40	6.20	7	7.80	8.60	9.30	10.90	12.50	15.60	18.70	21.90	25	28.10
1-7/16	1.30	2.70	4.10	5.50	6.90	8.30	9.70	11.10	12.40	13.80	15.20	16.60	19.40	22.20	27.70	33.30	38.80	44.40	49.90
1-11/16	2.20	4.40	6.60	8.90	11.20	13.40	15.70	17.90	20.20	22.40	24.70	26.90	31.40	35.90	44.90	53.80	62.80	71.80	80.80
1-15/16	3.30	6.70	10.10	13.50	16.90	20.30	23.70	27.10	30.50	33.90	37.30	40.70	47.50	54.30	67.90	81.50	95.10	108	122
2-3/16	4.90	9.80	14.60	19.50	24.40	29.30	34.20	39.10	44	48.90	53.80	58.60	68.40	78.20	97.80	117	136	156	176
2-7/16	6.70	13.50	20.20	27	33.80	40.60	47.30	54.10	60.90	67.60	74.40	81.20	94.70	108	135	162	189	216	243
2-11/16	9	18.10	27.10	36.20	45.30	54.40	63.40	72.50	81.60	90.70	99.70	108	126	145	181	217	253	290	326
2-15/16	11.80	23.60	35.40	47.30	59.20	71	82.90	94.70	106	118	130	142	165	189	236	284	331	379	426
3-7/16	19	37.90	57	75.90	94.90	113	132	151	170	189	208	227	265	303	379	455	531	607	683
3-15/16	28.50	57	85.50	114	142	171	199	228	256	285	313	342	399	456	570	684	798	912	1026
4-7/16	40.80	81.60	122	163	204	245	286	327	367	408	449	490	572	653	816	980	1143	1306	1470

Table 21: Limited Bending Moment (Pulleys, sprockets or gears near bearings. Ordinary line shafts.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
15/16	0.20	0.50	0.70	1	1.20	1.50	1.70	2	2.30	2.50	2.80	3	3.50	4.10	5.10	6.10	7.10	8.20	9.20
1-3/16	0.50	1	1.50	2	2.60	3.10	3.60	4.10	4.70	5.20	5.70	6.20	7.30	8.30	10.40	12.50	14.60	16.70	18.80
1-7/16	0.90	1.80	2.70	3.70	4.60	5.50	6.40	7.40	8.30	9.20	10.10	11.10	12.90	14.80	18.50	22.20	25.90	29.60	33.30
1-11/6	1.40	2.90	4.30	5.90	7.40	8.90	10.40	11.90	13.40	14.90	16.40	17.90	20.90	23.90	29.90	35.90	41.90	47.90	53.90
1-15/16	2.20	4.50	6.70	9	11.30	13.60	15.80	18.10	20.40	22.60	24.90	27.20	31.70	36.20	45.30	54.40	63.40	72.50	81.60
2-3/16	3.20	6.50	9.70	13	16.30	19.50	22.80	26.10	29.30	32.60	35.80	39.10	45.60	52.20	65.20	78.30	91.30	104	117
2-7/16	4.50	9	13.50	18	22.50	27	31.60	36.10	40.60	45.10	49.60	54.10	63.20	72.20	90.20	108	126	144	162
2-11/16	6	12.10	18.10	24.20	30.20	36.30	42.30	48.40	54.40	60.50	66.50	72.60	84.70	96.80	121	145	169	193	217
2-15/16	7.90	15.80	23.70	31.60	39.50	47.40	55.30	63.20	71.10	79	86.90	94.80	110	126	158	189	221	252	284
3-7/16	12.60	25.30	37.90	50.60	63.30	75.90	88.60	101	113	126	139	151	177	202	253	303	354	405	455
3-15/16	19	38	57	76.10	94.10	114	133	152	171	190	209	228	266	304	380	456	532	608	685
4-7/16	27	54	81	108	136	163	190	217	245	272	299	326	381	435	544	653	762	871	980
4-15/16	37	75	112	150	187	225	262	300	337	375	412	450	525	600	750	900	1050	1200	1350
5-7/16	50	100	150	200	250	300	350	400	451	501	551	601	701	801	1002	1202	1403	1603	1804
5-15/16	65	130	195	261	326	391	456	522	587	652	717	783	913	1044	1305	1566	1827	2088	2349
6-1/2	85	171	256	342	427	513	598	684	769	855	940	1026	1197	1368	1710	2052	2394	2736	3078

Selection of Shaft Diameters (Cont'd)

Table 22: Heavy Bending Moment. (Use for main or important shafts.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
1-11/16	0.80	1.70	2.50	3.50	4.40	5.30	6.20	7.10	8	8.90	9.80	10.70	12.50	14.30	17.90	21.50	25.10	28.70	32.30
1-15/16	1.30	2.70	4	5.40	6.70	8.10	9.50	10.80	12.20	13.50	14.90	16.30	19	21.70	27.10	32.60	38	43.50	48.90
2-3/16	1.90	3.90	5.80	7.80	9.70	11.70	13.70	15.60	17.60	19.50	21.50	23.40	27.40	31.30	39.10	46.90	54.80	62.60	70.40
2-7/16	2.70	5.40	8.10	10.80	13.50	16.20	18.90	21.60	24.30	27	29.70	32.40	37.90	43.30	54.10	64.90	75.80	86.60	97.40
2-11/16	3.60	7.20	10.80	14.50	18.10	21.70	25.40	29	32.60	36.20	39.90	43.50	50.80	58	72.50	87.10	101	116	130
2-15/16	4.70	9.40	14.10	18.90	23.60	28.40	33.10	37.90	42.60	47.30	52.10	56.80	66.30	75.80	94.70	113	132	151	170
3-7/16	7.50	15.10	22.60	30.30	37.90	45.50	53.10	60.70	68.30	75.90	83.50	91.10	106	121	151	182	212	243	273
3-15/16	11.40	22.80	34.20	45.60	57	68.40	79.90	91.30	102	114	125	136	159	182	228	273	319	365	410
4-7/16	16.30	32.60	48.90	65.30	81.60	98	114	130	147	163	179	196	228	261	326	392	457	522	588
4-15/16	22.50	45	67.50	90	112	135	157	180	202	225	247	270	315	360	450	540	630	720	810
5-7/16	30	60	90	120	150	180	210	240	270	300	330	360	420	480	601	721	841	961	1082
5-15/16	39	78	117	156	195	234	273	313	352	391	430	469	547	626	782	939	1095	1252	1409
6-1/2	51	102	153	205	256	308	359	410	462	513	564	616	718	821	1027	1232	1437	1643	1848
7	64	128	192	256	320	384	448	513	577	641	705	769	897	1026	1282	1539	1795	2052	2308
7-1/2	78.50	157	235	315	394	473	552	631	709	788	867	946	1104	1262	1577	1893	2208	2524	2839
8	95.50	191	286	382	478	574	670	765	861	957	1053	1148	1340	1531	1914	2297	2680	3063	3446
8-1/2	114	229	343	459	574	688	803	918	1033	1148	1263	1377	1607	1837	2296	2755	3215	3674	4133
9	136	272	408	545	681	817	954	1090	1226	1363	1499	1635	1908	2181	2726	3271	3816	4362	4907
9-1/2	160	320	480	641	801	961	1122	1282	1442	1603	1763	1923	2244	2565	3206	3847	4488	5130	5771
10	186	373	559	747	934	1121	1308	1495	1682	1869	2056	2243	2617	2991	3739	4487	5235	5983	6731

Table 23: Severe Conditions (Heavy shock loads. Excessively tight belts, long clutch sleeves.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
1-11/16	0.4	0.8	1.2	1.7	2.2	2.6	3.1	3.5	4	4.4	4.9	5.3	6.2	7.1	8.9	10.7	12.5	14.3	16.10
1-15/16	0.6	1.3	2	2.7	3.3	4	4.7	5.4	6.1	6.7	7.4	8.1	9.5	10.8	13.5	16.3	19	21.7	24.40
2-3/16	0.90	1.90	2.90	3.90	4.80	5.80	6.80	7.80	8.80	9.70	10.70	11.70	13.70	15.60	19.50	23.40	27.40	31.30	35.20
2-7/16	1.30	2.70	4	5.40	6.70	8.10	9.40	10.80	12.10	13.50	14.80	16.20	18.90	21.60	27	32.40	37.90	43.30	48.70
2-11/16	1.80	3.60	5.40	7.20	9	10.80	12.70	14.50	16.30	18.10	19.90	21.70	25.40	29	36.20	43.50	50.50	58	65
2-15/16	2.30	4.70	7	9.40	11.80	14.20	16.50	18.90	21.30	23.60	26	28.40	33.10	37.90	47.30	56.50	66	75.50	85
3-7/16	3.70	7.50	11.30	15.1	18.90	22.70	26.50	30.30	34.10	37.90	41.70	45.50	53	60.50	75.50	91	106	121	136
3-15/16	5.70	11.40	17.10	22.8	28.50	34.20	39.90	45.60	51	57	62.50	68	79.50	91	114	136	159	182	205
4-7/16	8.10	16.30	24.40	32.6	40.80	49	57	65	73.50	81.50	89.50	98	114	130	163	196	228	261	294
4-15/16	11.20	22.50	33.70	45	56	67.50	78.50	90	101	112	123	135	157	180	225	270	315	360	405
5-7/16	15	30	45	60	75	90	105	120	135	150	165	180	210	240	300	360	420	480	541
5-15/16	19.50	39	58.50	78	97.10	117	136	156	171	195	215	234	273	313	391	469	547	626	704
6-1/2	25.50	51	76.50	102.5	128	154	179	205	231	256	282	308	359	410	513	616	718	821	924
7	32	64.90	96	128	160	192	224	256	288	320	352	384	448	513	641	769	897	1026	1154
7-1/2	39.20	78.50	117	157	197	236	276	315	354	394	433	473	552	631	788	946	1104	1262	1419
8	47.70	95.50	143	191	239	287	335	382	430	478	526	574	670	765	957	1148	1340	1531	1723
8-1/2	57	114	171	229	287	344	401	459	516	574	631	688	803	918	1148	1377	1607	1837	2066
9	68	136	204	272	340	408	477	545	613	681	749	817	954	1090	1363	1635	1908	2181	2453
9-1/2	80	160	240	320	400	480	561	641	721	801	881	961	1122	1282	1603	1923	2244	2565	2885
10	93	186	279	373	467	560	654	747	841	934	1028	1121	1308	1495	1869	2243	2617	2991	3365

Caution - Be generous in the selection of shaft diameters as liberal diameters not only reduce deflection and vibration but also generally increase bearing life. See notes on next page.

Selection of Shaft Diameters (Cont'd)

Shaft Stiffness, Shaft Deflection-Standard shafting of adequate strength usually has a sufficiently large diameter to prevent excessive deflection in ordinary installations. It is wise to select shafting of generous diameter, as the greater the diameter, the greater the stiffness. A high tensile strength alloy shaft, although stronger, is no stiffer than a standard shaft of the same diameter.

While it is sometimes possible to use an alloy shaft of less diameter than a standard shaft of equal strength, this practice is usually inadvisable, as the deflection is increased.

Shafts carrying medium or long clutch sleeves should be especially generous.

High Speed Shafts - High speed sometimes causes shaft whipping or vibration. This can be prevented by making the shaft diameter generous and the distance between bearing centers short.

Location of the bearings close to wheels and couplings is advisable whether the shaft is transmitting heavy or light loads.

The use of high tensile strength alloy shafting instead of standard shafting is of no help in preventing vibration as this will not improve the stiffness nor deflection characteristics of the shaft.

Stepped Shafts - For a heavily loaded wheel, a shaft with a boss or enlarged section under the wheel and turned to a smaller diameter at the bearings often provides the most economical installation. The two different diameters should be joined by a very generous fillet, otherwise a dangerous concentration of stress will occur at the fillet. See heading -"Turning Down Shaft Ends." (B16-15).

Shaft Keyseats - Plain keyseats are preferable to round end keyseats in respect to causing the least concentration of stress. However, round end keyseats are often used because of design and assembly requirements. Ends left by the milling cutter should not project into babbitted or bronze bushed bearing, but may project under the sleeve of any DODGE anti-friction bearing.

Shaft diameters obtained from the tables or chart allow for the use of keyseats.

Shaft Bearings - On ordinary line shafting, bearings are commonly spaced about eight feet centers. On large diameter shafts, the spacing may be somewhat greater.

Wheels and clutches should be located near bearings to avoid dangerous bending, deflection and vibration.

Bearings should be mounted on adequate supports so that accurate alignment may be maintained. Shaft misalignment may cause shaft or bearing failure.

Shaft Couplings - Where a rigid coupling is used, it is preferable to have a bearing fairly close. Where a cutoff coupling or a flexible coupling is used, locate bearings close to each end of the coupling.

Expansion of Shafting - Where changes in the length of the shaft due to changes in temperature are to be expected and the bearings are mounted on supporting structures other than steel, consideration must be given to expansion. For more detailed information see B16-20, headed: "Expansion of Shafting."

Factors for Shafting Other Than Standard Shafting

When it is necessary to use other than standard shafting, multiply required diameter for standard shafting as found in the tables or chart by proper factor from Table 24 below.

Standard keyseated shafting, using a safe shear stress of 6,000 PSI is the basis of shafting tables and chart. For safe shear stress of other materials, use 1/10 of nominal ultimate tensile strength. For example, use 8,000 for C1045 and 10,000 for 4140 keyseated shafting. When definite physical specifications are known the least of 13.5% of minimum ultimate tensile strength and 22.5% of minimum elastic limit in tension may be used for keyseated shafting; 18% and 30% respectively if not keyseated.

Caution - As the deflection of steel shafting depends upon the diameter and not upon the analysis of the steel, care should be exercised in the use of alloy shafting not to reduce the diameter unduly. Deflection should not be excessive and bearing capacities should be adequate. It is usually best to use standard shafting instead of a smaller diameter alloy shaft. The smaller alloy shaft may safely transmit the torque but often is undesirable in respect to deflection, vibration and bearing life

Table 24: Shear Stress Factors

Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor
500	2.289	3,000	1.260	5,500	1.029	9,000	.874	14,000	.754
1,000	1.817	3,500	1.197	6,000	1.000	10,000	.843	15,000	.737
1,500	1.587	4,000	1.145	6,500	.974	11,000	.817	16,000	.721
2,000	1.442	4,500	1.101	7,000	.950	12,000	.794	17,000	.707
2,500	1.339	5,000	1.063	8,000	.909	13,000	.773	18,000	.693

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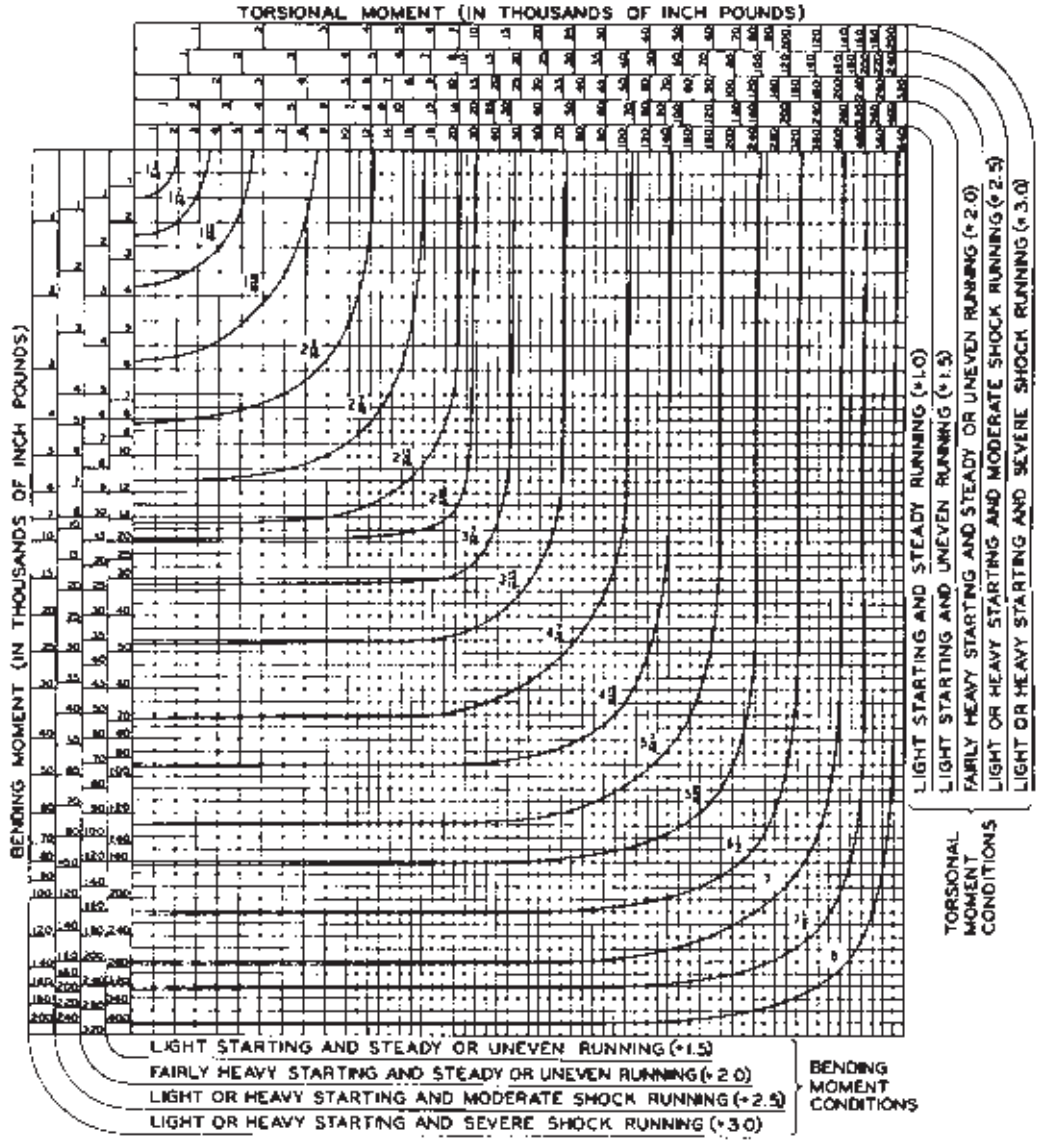
Combine Torsion and Bending of Standard Shaft (Based on a Safe Shear Stress of 6,000 PS for Keyseated Shafting)



Example: Engine extension shaft driving single cylinder compressor, 15,000 pound-inches torsional moment, 14,000 pound- inches bending moment. Because of the heavy shock running load conditions use scales designated “Light or Heavy Starting and Severe Shock Running”. Project a line down from 15,000 torsional moment. Project a line to the right from 14,000 bending moment. The two lines intersect between 3-7/16 and 3-15/ 16 curves. Use 3-15/16 standard shafting.

Note: The above chart is based on ASME approved standard ASA-B17C-1927 withdrawn in 1954. If the latest shaft selection analysis is required refer to ANSI/ASME B106.1M-1985.

Note: If considering use of other shafting material refer to “Selection of Shaft Diameters” on page B16-18.

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Expansion of Shafting

Provision should be made to permit the free movement of shafting endwise due to temperature changes. One bearing should serve as an anchor bearing to locate the shaft endwise. All other bearings should permit the shaft to move freely endwise.

The anchor bearing is often located near an important wheel. On long shafts it should preferably be located near the center of the shaft to keep the expansion of the two ends to a minimum. If the anchor bearing is babbitted it should be fitted with collars. If it is an anti-friction bearing it should be of the non-expansion type, which is the designation of DODGE roller and ball bearings for use as anchor bearings.

All bearings on the shafting other than the anchor bearing should permit the shaft to move freely endwise. If babbitted there should be no thrust collars. If anti-friction these bearings should be of the expansion type.

Several shafts firmly fastened together expand as if one continuous shaft. An example of this is line shafting with flange couplings. If the expansion is considered excessive a long line shaft may be split into two or more sections, the sections being connected with expansion couplings.

Amount of Expansion to be provided for-

The amount of shaft expansion is given in Table 25 below. For example, with a 100°F temperature rise on a 150 ft. line shaft with the anchor bearing located 70 ft. from one end and 80 ft. from the other end the ends will move .529" and .605" respectively away from the anchor bearing. The structure supporting the bearings may also expand but usually not as rapidly and as much as the shafting. Several cases follow:

Case 1- Bearings supported on steel structures, where the shaft and structure are exposed to the same temperatures, will expand at the same rate. Expansion allowance is usually not required. If the shaft is exposed to a higher temperature than the support, allowances should be made. For example, if the shaft temperature is expected to change 80°, and the temperature of the structure 60°, the resulting movement between shafting and support ends will be equivalent to a 20° change.

Case 2 - For bearings supported on wood, brick, or concrete walls, or on piers with foundations in the ground, the amount of expansion is usually considered negligible. Therefore, the full amount of shafting expansion as calculated in Table 25 below, may be accommodated.

Case 3 - Certain structural designs have built-in flexibility. Where this is the case, expansion type bearings are not necessary.

Case 4 - Short shafts with only two bearings are usually designed without compensation for expansion, if temperature variations are not excessive.

Advice on Expansion Problems-

DODGE power transmission engineers will gladly make recommendations concerning shaft expansion problems and the use of suitable bearings.

Table 25: Linear Expansion of Steel Shafting

Base on Expansion In Inches = 0.0000063 x 12 x Length in Feet x Temp. Increase in Degrees Fahrenheit

Length (Feet)	Temperature Increase-Degrees F.					Length (Feet)	Temperature Increase-Degrees F.				
	20°	40°	60°	80°	100°		20°	40°	60°	80°	100°
1	.0015	.0030	.0045	.0060	.0075	40	.060	.121	.181	.242	.302
2	.0030	.0060	.0091	.0121	.0151	45	.068	.136	.204	.272	.340
3	.0045	.0091	.0136	.0181	.0227	50	.076	.151	.227	.302	.378
4	.0060	.0121	.0181	.0242	.0302	55	.083	.166	.249	.333	.416
5	.0076	.0151	.0227	.0302	.0378	60	.091	.181	.272	.363	.454
6	.0091	.0181	.0272	.0363	.0454	65	.098	.197	.295	.393	.491
7	.0106	.0212	.0318	.0423	.0529	70	.106	.212	.317	.423	.529
8	.0121	.0242	.0363	.0484	.0605	75	.113	.227	.340	.454	.567
9	.0136	.0272	.0408	.0544	.0680	80	.121	.242	.363	.484	.605
10	.0151	.0302	.0454	.0605	.0756	85	.129	.257	.386	.514	.643
12	.0181	.0363	.0544	.0726	.0907	90	.136	.272	.408	.544	.680
14	.0212	.0423	.0635	.0847	.1058	95	.144	.287	.431	.575	.718
16	.024	.048	.073	.097	.121	100	.151	.302	.454	.605	.756
18	.027	.054	.082	.109	.136	110	.166	.333	.499	.665	.832
20	.030	.060	.091	.121	.151	120	.181	.363	.544	.726	.907
25	.038	.076	.113	.151	.189	130	.197	.393	.590	.786	.983
30	.045	.091	.136	.181	.227	140	.212	.423	.635	.847	1.058
35	.053	.106	.158	.212	.265	150	.227	.454	.680	.907	1.134

Weights and Properties of Steel Shafting

Table 26: Weight of Round Steel Shafting

Shaft Size	Weight of Shafting for Various Lengths in feet																	Weight Per Inc.
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	
3/4	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15	18	21	24	27	30	33	36	.125
7/8	2.0	4.0	6.1	8.1	10.2	12.2	14.3	16.3	18.4	20	25	29	33	37	41	45	49	.170
*15/16	2.3	4.7	7.0	9.4	11.7	14.1	16.5	18.8	21.2	23	28	33	38	42	47	52	56	.195
1	2.7	5.3	8.0	10.6	13.3	16.0	18.6	21.3	24.0	27	32	37	43	48	53	59	64	.223
1-1/8	3.4	6.8	10.0	13.4	16.7	20.1	23.4	26.7	30.1	34	41	47	54	61	68	74	81	.281
*1-3/16	3.8	7.6	11.3	15.1	18.9	22.6	26.4	30.1	34.0	38	45	53	60	68	75	83	90	.314
1-1/4	4.2	8.3	12.5	16.7	20.8	25.0	29.2	33.3	37.5	42	50	58	67	75	83	92	100	.348
1-3/8	5.0	10.1	15.3	20.2	25.3	30.3	35.4	40.4	45.4	50	60	71	81	91	101	111	121	.420
*1-7/16	5.5	11	17	22	28	33	39	44	50	55	66	77	88	99	110	121	133	.460
1-1/2	6.0	12	18	24	30	36	42	48	54	60	72	84	96	108	120	132	144	.500
*1-11/16	7.6	15	23	30	38	46	53	61	68	76	91	107	122	137	152	167	183	.634
*1-15/16	10.0	20	30	40	50	60	70	80	90	100	120	140	161	181	201	221	241	.835
2	10.7	21	32	43	53	64	75	85	96	107	128	150	171	192	214	235	256	.890
*2-3/16	12.8	26	38	51	64	77	90	102	115	128	153	179	205	230	256	281	307	1.06
*2-7/16	15.9	32	48	63	79	95	111	127	143	159	190	222	254	286	317	349	381	1.32
2-1/2	16.7	34	50	67	83	100	117	134	150	167	200	234	267	301	334	367	401	1.39
*2-11/16	19.3	39	58	77	97	116	135	154	174	193	232	270	309	348	386	425	463	1.61
*2-15/16	23.0	46	69	92	115	138	161	184	208	231	277	323	369	415	461	507	553	1.92
*3-7/16	31.6	63	95	126	158	189	221	253	284	316	379	442	505	568	631	695	758	2.63
*3-15/16	41.4	83	124	166	207	248	290	331	373	414	497	580	662	745	828	911	994	3.45
*4-7/16	52.6	105	158	210	263	315	368	421	473	526	631	736	841	946	1052	1157	1262	4.38
*4-15/6	65.1	130	195	260	326	391	456	521	586	651	781	911	1041	1172	1302	1432	1562	5.42
*5-7/16	79.0	158	237	316	395	474	553	632	711	790	947	1105	1263	1421	1579	1737	1894	6.58
*6	96	192	288	384	481	577	673	769	865	961	1154	1346	1538	1730	1923	2115	2307	8.01

* **Recommended Diameters** These shaft diameters are recommended for use whenever possible as various transmission items such as couplings, collars, clutches, pulleys, etc., are carried in stock in these sizes, at least up to 3-15/16", in the principal cities throughout the United States.

Table 27: Weight and Properties of Round Steel Shafting

Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia		Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia	
		Bending	Torsion	Bending	Torsion			Bending	Torsion	Bending	Torsion
1/16	.00087	.000024	.000048	.000001	.000002	2-7/16	1.32	1.422	2.844	1.733	3.466
1/8	.0035	.000192	.000383	.000012	.000024	2-1/2	1.39	1.534	3.068	1.918	3.835
3/16	.0078	.000647	.001294	.000061	.000121	2-9/16	1.46	1.652	3.304	2.117	4.233
1/4	.0139	.001534	.003068	.000192	.000383	2-5/8	1.53	1.776	3.552	2.331	4.661
5/16	.0217	.002996	.005992	.000468	.000936	2-11/16	1.61	1.906	3.811	2.561	5.122
3/8	.0313	.005177	.010354	.000971	.001941	2-3/4	1.68	2.042	4.084	2.807	5.615
7/16	.0425	.008221	.016442	.001798	.003597	2-13/16	1.76	2.184	4.368	3.071	6.143
1/2	.0556	.0123	.0245	.0031	.0061	2-7/8	1.84	2.333	4.666	3.354	6.707
9/16	.0703	.0175	.0349	.0049	.0098	2-15/16	1.92	2.489	4.977	3.655	7.310
5/8	.0868	.0240	.0479	.0075	.0150	3	2.00	2.651	5.301	3.976	7.952
11/16	.1051	.0319	.0638	.0110	.0219	3-1/16	2.08	2.820	5.640	4.318	8.636
3/4	.125	.0414	.0828	.0155	.0311	3-1/8	2.17	2.996	5.992	4.681	9.363
13/16	.1467	.0527	.1053	.0214	.0428	3-3/16	2.26	3.179	6.359	5.067	10.13
7/8	.1701	.0658	.1315	.0288	.0575	3-1/4	2.35	3.370	6.740	5.477	10.95
15/16	.1954	.0809	.1618	.0379	.0758	3-5/16	2.44	3.568	7.137	5.910	11.82
1	.22	.0982	.1963	.0491	.0982	3-3/8	2.53	3.774	7.548	6.369	12.74
1-1/16	.25	.1178	.2355	.0626	.1251	3-7/16	2.63	3.988	7.976	6.854	13.71
1-1/8	.28	.1398	.2796	.0786	.1573	3-1/2	2.72	4.209	8.419	7.366	14.73
1-3/16	.31	.1644	.3288	.0976	.1952	3-9/16	2.82	4.439	8.878	7.907	15.81
1-1/4	.35	.1917	.3835	.1198	.2397	3-5/8	2.92	4.677	9.353	8.476	16.95
1-5/16	.38	.2220	.4439	.1457	.2913	3-11/16	3.02	4.923	9.845	9.076	18.15
1-3/8	.42	.2552	.5104	.1755	.3509	3-3/4	3.13	5.177	10.35	9.707	19.41
1-7/16	.46	.2916	.5832	.2096	.4192	3-13/16	3.23	5.440	10.88	10.37	20.74
1-1/2	.50	.3313	.6627	.2485	.4970	3-7/8	3.34	5.712	11.42	11.07	22.14
1-9/16	.54	.3745	.7490	.2926	.5852	3-15/16	3.45	5.993	11.99	11.80	23.60
1-5/8	.59	.4213	.8425	.3423	.6846	4	3.56	6.283	12.57	12.57	25.13
1-11/16	.63	.4718	.9435	.3981	.7961	4-1/16	3.67	6.582	13.16	13.37	26.74
1-3/4	.68	.5262	1.052	.4604	.9208	4-1/8	3.78	6.891	13.78	14.21	28.42
1-13/16	.73	.5846	1.169	.5298	1.060	4-3/16	3.90	7.209	14.42	15.09	30.19
1-7/8	.78	.6471	1.294	.6067	1.213	4-1/4	4.01	7.536	15.07	16.01	32.03
1-15/16	.83	.7140	1.428	.6917	1.384	4-5/16	4.13	7.874	15.75	16.98	33.96
2	.89	.7854	1.571	.7854	1.571	4-3/8	4.25	8.221	16.44	17.98	35.97
2-1/16	.94	.8614	1.723	.8883	1.777	4-7/16	4.38	8.579	17.16	19.03	38.07
2-1/8	1.00	.9421	1.884	1.001	2.002	4-1/2	4.50	8.946	17.89	20.13	40.26
2-3/16	1.06	1.028	2.055	1.124	2.248	4-9/16	4.63	9.324	18.65	21.27	42.54
2-1/4	1.13	1.118	2.237	1.258	2.516	4-5/8	4.75	9.713	19.43	22.46	44.92
2-5/16	1.19	1.214	2.428	1.404	2.808	4-11/16	4.88	10.11	20.22	23.70	47.40
2-3/8	1.25	1.315	2.630	1.562	3.124	4-3/4	5.01	10.52	21.04	24.99	49.98

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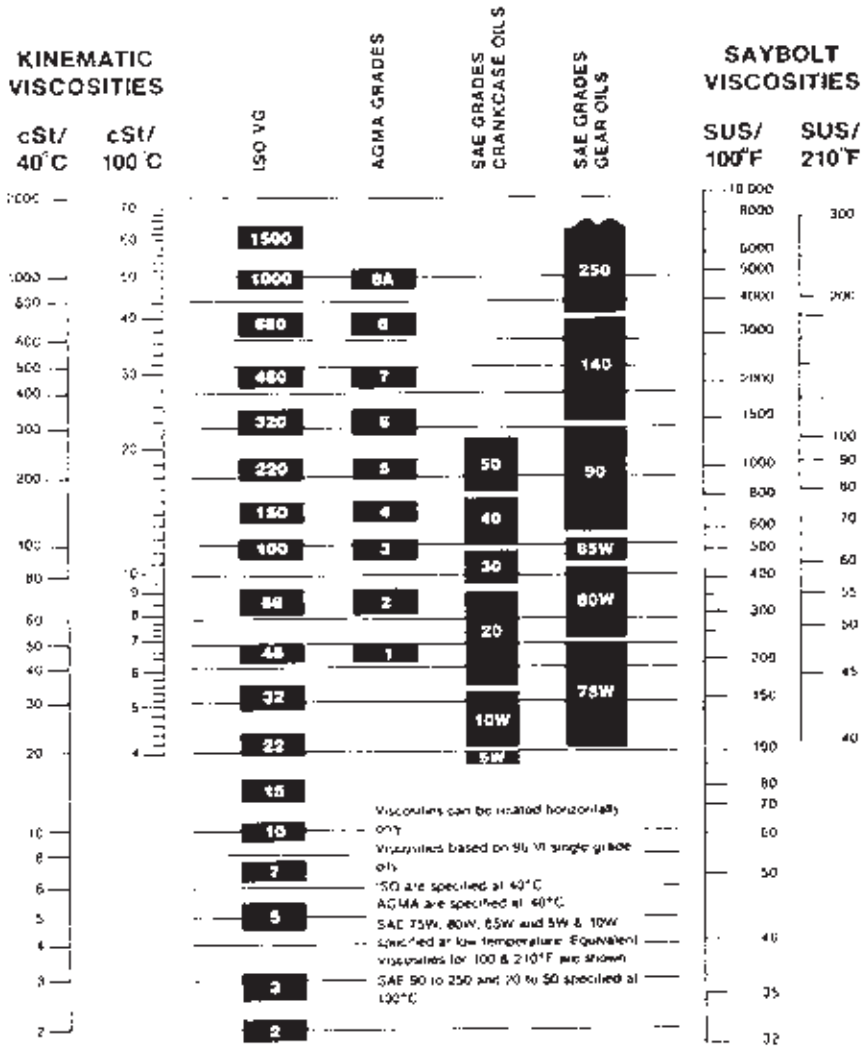
Table 27: Weight and Properties of Round Steel Shafting

Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia		Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia	
		Bending	Torsion	Bending	Torsion			Bending	Torsion	Bending	Torsion
4-13/16	5.15	10.94	21.88	26.33	52.66	13-1/2	40.50	241.50	483.10	1630	3261
4-7/8	5.28	11.37	22.75	27.72	55.45	13-3/4	42.00	255.20	510.40	1755	3509
4-15/16	5.42	11.82	23.63	29.17	58.35	14	43.60	269.40	538.80	1886	3771
5	5.56	12.27	24.54	30.68	61.36	14-1/4	45.10	284.10	568.20	2024	4048
5-1/16	5.70	12.74	25.48	32.24	64.49	14-1/2	46.70	299.30	598.60	2170	4340
5-1/8	5.84	13.22	26.43	33.86	67.73	14-3/4	48.40	315.00	630.10	2324	4647
5-3/16	5.98	13.70	27.41	35.55	71.09	15	50.00	331.30	662.70	2485	4970
5-1/4	6.13	14.21	28.41	37.29	74.58	15-1/4	51.70	348.20	696.40	2655	5310
5-5/16	6.27	14.72	29.44	39.10	78.20	15-1/2	53.40	365.60	731.20	2833	5667
5-3/8	6.42	15.25	30.49	40.97	81.94	15-3/4	55.10	383.60	767.10	3021	6041
5-7/16	6.58	15.78	31.57	42.91	85.82	16	56.90	402.10	804.20	3217	6434
5-1/2	6.72	16.33	32.67	44.92	89.84	16-1/4	58.70	421.30	842.50	3422	6846
5-9/16	6.88	16.90	33.79	46.99	93.99	16-1/2	60.50	441.00	882.00	3638	7277
5-5/8	7.03	17.47	34.95	49.14	98.29	16-3/4	62.40	461.40	922.70	3864	7728
5-11/16	7.19	18.06	36.12	51.36	102.70	17	64.20	482.30	964.70	4100	8200
5-3/4	7.35	18.66	37.33	53.66	107.30	17-1/4	66.10	503.90	1008	4346	8693
5-13/16	7.51	19.28	38.56	56.03	112.10	17-1/2	68.10	526.20	1052	4604	9208
5-7/8	7.67	19.91	39.82	58.48	117.00	17-3/4	70.00	549.10	1098	4873	9745
5-15/16	7.84	20.55	41.10	61.01	122.00	18	72.00	572.60	1145	5153	10306
6	8.00	21.21	42.41	63.62	127.20	18-1/4	74.00	596.70	1193	5445	10891
6-1/16	8.17	21.88	43.75	66.31	132.60	18-1/2	76.10	621.60	1243	5750	11500
6-1/8	8.34	22.56	45.12	69.09	138.20	18-3/4	78.10	647.10	1294	6067	12134
6-3/16	8.51	23.26	46.51	71.95	143.90	19	80.20	673.40	1347	6397	12794
6-1/4	8.68	23.97	47.94	74.90	149.80	19-1/4	82.40	700.30	1401	6741	13481
6-5/16	8.86	24.69	49.39	77.94	155.90	19-1/2	84.50	728.00	1456	7098	14195
6-3/8	9.03	25.44	50.87	81.08	162.20	19-3/4	86.70	756.30	1513	7469	14937
6-7/16	9.21	26.19	52.38	84.30	168.60	20	88.90	785.40	1571	7854	15708
6-1/2	9.39	26.96	53.92	87.62	175.20	20-1/4	91.10	815.20	1630	8254	16508
6-5/8	9.76	28.55	57.09	94.56	189.10	20-1/2	93.40	845.80	1692	8669	17339
6-3/4	10.10	30.19	60.39	101.90	203.80	20-3/4	95.70	877.10	1754	9100	18200
6-7/8	10.50	31.90	63.80	109.70	219.30	21	98.00	909.20	1818	9547	19093
7	10.90	33:67	67.35	117.90	235.70	21-1/4	100.40	942.10	1884	10009	20019
7-1/8	11.30	35.51	71.02	126.50	253.00	21-1/2	102.70	975.70	1951	10489	20978
7-1/4	11.70	37.41	74.82	135.60	271.20	21-3/4	105.10	1010	2020	10985	21970
7-3/8	12.10	39.38	78.76	145.20	290.40	22	107.60	1045	2091	11499	22998
7-1/2	12.50	41.42	82.84	155.30	310.60	22-1/4	110.00	1081	2163	12031	24061
7-5/8	12.90	43.52	87.05	165.90	331.90	22-1/2	112.50	1118	2237	12581	25161
7-3/4	13.30	45.70	91.40	177.10	354.20	22-3/4	115.00	1156	2312	13149	26298
7-7/8	13.80	47.95	95.89	188.80	377.60	23	117.60	1194	2389	13737	27473
8	14.30	50.27	100.50	201.10	402.10	23-1/4	120.10	1234	2468	14344	28687
8-1/8	14.70	52.66	105.30	213.90	427.90	23-1/2	122.70	1274	2548	14971	29941
8-1/4	15.10	55.13	110.30	227.40	454.80	23-3/4	125.40	1315	2630	15618	31236
8-3/8	15.60	57.67	115.30	241.50	483.00	24	128.00	1357	2714	16286	32572
8-1/2	16.10	60.29	120.60	256.20	512.50	24-1/4	130.70	1400	2800	16975	33951
8-5/8	16.50	62.99	126.00	271.60	543.30	24-1/2	133.40	1444	2888	17686	35372
8-3/4	17.00	65.77	131.60	287.70	575.50	24-1/4	136.20	1488	2977	18419	36838
8-7/8	17.50	68.63	137.30	304.50	609.10	25	138.90	1534	3068	19175	38350
9	18.00	71.57	143.10	322.10	644.10	25-1/4	141.70	1580	3161	19954	39907
9-1/8	18.50	74.59	149.20	340.30	680.70	25-1/2	144.50	1628	3256	20755	41511
9-1/4	19.00	77.70	155.40	359.40	718.70	25-3/4	147.40	1676	3352	21581	43163
9-3/8	19.50	80.89	161.80	379.20	758.40	26	150.30	1726	3451	22432	44864
9-1/2	20.10	84.17	168.30	399.80	799.60	26-1/4	153.20	1776	3552	23307	46614
9-5/8	20.60	87.54	175.10	421.30	842.60	26-1/2	156.10	1827	3654	24208	48415
9-3/4	21.10	90.99	182.00	443.60	887.20	26-3/4	159.00	1879	3758	25134	50268
9-7/8	21.70	94.54	189.10	466.80	933.60	27	162.00	1932	3865	26087	52174
10	22.20	98.17	196.30	490.90	981.70	27-1/2	168.10	2042	4083	28074	56148
10-1/4	23.40	105.72	211.40	541.80	1084	28	174.30	2155	4310	30172	60344
10-1/2	24.50	113.65	227.30	596.70	1193	28-1/2	180.50	2273	4545	32385	64771
10-3/4	25.70	121.96	243.90	655.50	1311	29	186.90	2394	4789	34719	69437
11	26.90	130.67	261.30	718.70	1437	29-1/2	193.40	2520	5041	37176	74351
11-1/4	28.10	139.78	279.60	786.30	1573	30	200.00	2651	5301	39761	79522
11-1/2	29.40	149.31	298.60	858.50	1717	30-1/2	206.80	2785	5571	42479	84957
11-3/4	30.70	159.26	318.50	935.70	1871	31	213.60	2925	5849	45333	90666
12	32.00	169.65	339.30	1018	2036	31-1/2	220.50	3069	6137	48329	96659
12-1/4	33.40	180.47	360.90	1105	2211	32	227.60	3217	6434	51472	102944
12-1/2	34.70	191.75	383.50	1198	2397	32-1/2	234.80	3370	6740	54765	109530
12-3/4	36.10	203.48	407.00	1297	2594	33	242.10	3528	7056	58214	116428
13	37.60	215.69	431.40	1402	2804	34	256.90	3859	7717	65597	131194
13-1/4	39.00	228.37	456.70	1513	3026	35	272.30	4209	8418	73662	147324

DODGE®

Viscosity Classification Equivalents



ISO VISCOSITY CLASSIFICATION SYSTEM

All industrial oils are graded according to the ISO Viscosity Classification System, approved by the International Standards Organizations (ISO). Each ISO viscosity grade number corresponds to the mid-point of viscosity range expressed in centistokes (cSt) at 40°C. For example, a lubricant with an ISO grade of 32 has a viscosity within the range of 28.80-35.2, the midpoint of which is 32.

Rule-of-Thumb: The comparable ISO grade of a competitive product whose viscosity in SUS at 100°F is known can be determined by using the following conversion formula:

SUS @ 100° F ÷ 5 = cSt @ 40°C

English Standard Measures

Long Measure

1 mile = 1760 yards = 5280 feet.
1 yard = 3 feet = 36 inches.
1 foot = 12 inches.

Surveyor's Measure

1 mile = 8 furlongs = 80 chains.
1 furlong = 10 chains = 220 yards.
1 chain = 4 rods = 22 yards = 66 feet = 100 links.
1 link = 7.92 inches.

Square Measure

1 square mile = 640 acres = 6400 square chains.
1 acre = 10 square chains = 4840 square yards = 43,560 square feet.
1 square chain = 16 square rods = 484 square yards = 4356 square feet.
1 square rod = 30.25 square yards = 272.25 square feet = 625 square links.
1 square yard = 9 square feet.
1 square foot = 144 square inches.
An acre is equal to a square, the side of which is 208.7 feet.

Dry Measure

1 bushel (U.S. or Winchester struck bushel) = 1.2445 cubic foot = 2150.42 cubic inches.
1 bushel = 4 pecks = 32 quarts = 64 pints.
1 peck = 8 quarts = 16 pints.
1 quart = 2 pints.
1 heaped bushel = 1 1/4 struck bushel.
1 cubic foot = 0.8036 struck bushel.
1 British Imperial bushel=8 Imperial gallons=1.2837 cubic foot = 2218.19 cubic inches.

Liquid Measure

1 U.S. gallon = 0.1337 cubic foot = 231 cubic inches = 4 quarts = 8 pints.
1 quart = 2 pints = 8 gills.
1 pint = 4 gills.
1 British Imperial gallon=1.2003 U.S. gallon= 277.27 cubic inches.
1 cubic foot = 7.48 U.S. gallons.

Circular and Angular Measure

60 seconds (")	=1 minute (')
60 minutes	=1 degree (-)
360 degrees	=1 circumference (C)
57.3 degrees	=1 radian
2 π radians	=1 circumference (C)

Specific Gravity

The specific gravity of a substance is its weight as compared with the weight of an equal bulk of pure water.
For making specific gravity determinations the temperature of the water is usually taken at 62° F. when 1 cubic foot of water weighs 62.355 lbs. Water is at its greatest density at 39.20° F. or 4° Centigrade.

Temperature

The following equation will be found convenient for transforming temperature from one system to another:
Let F = degrees Fahrenheit; C = degrees Centigrade; R = degrees Reamur.

$$\frac{F-32}{180} = \frac{C}{100} = \frac{R}{80}$$

Avoirdupois or Commercial Weight

1 gross or long ton = 2240 pounds.
1 net or short ton = 2000 pounds.
1 pound = 16 ounces = 7000 grains.
1 ounce = 16 drams = 437.5 grains.

Measures of Pressure

1 pound per square inch = 144 pounds per square foot = 0.068 atmosphere = 2.042 inches of mercury at 62 degrees F. = 27.7 inches of water at 62 degrees F. = 2.31 feet of water at 62 degrees F.
1 atmosphere = 30 inches of mercury at 62 degrees F. = 14.7 pounds per square inch = 2116.3 pounds per square foot = 33.95 feet of water at 62 degrees F.
1 foot of water at 62 degrees F. = 62.355 pounds per square foot = 0.433 pound per square inch.
1 inch of mercury at 62 degrees F. = 1.132 foot of water = 13.58 inches of water = 0.491 pound per square inch.
Column of water 12 in. high, 1 in. dia. = .341 lbs.

Cubic Measure

1 cubic yard = 27 cubic feet.
1 cubic foot = 1728 cubic inches.
The following measures are also used for wood and masonry:
1 cord of wood = 4 X 4 X 8 feet = 128 cubic feet.
1 perch of masonry = 16-1/2 X 1-1/2 X 1 foot = 24-3/4 cubic feet.

Shipping Measure

For measuring entire internal capacity of a vessel: 1 register ton = 100 cubic feet.
For measurement of cargo:
1 U.S. shipping ton = 40 cubic feet = 32.143 U.S. bushels = 31.16 Imperial bushels.
British shipping ton = 42 cubic feet = 33.75 U.S. bushels = 32.72 Imperial bushels.

Troy Weight, Used for Weighing Gold and Silver

1 pound = 12 ounces = 5760 grains.
1 ounce = 20 pennyweights = 480 grains.
1 pennyweight = 24 grains.
1 carat (used in weighing diamonds) = 3.086 grains.
1 grain Troy = 1 grain avoirdupois = 1 grain apothecaries' weight.

Measure Used for Diameters and Areas of Electric Wires

1 circular inch = area of circle 1 inch in diameter = 0.7854 square inch.
1 circular inch = 1,000,000 circular mils.
1 square inch = 1.2732 circular inch = 1,273,239 circular mils.
A circular mil is the area of a circle 0.001 inch in diameter.

Board Measure

One foot board measure is a piece of wood 12 inches square by 1 inch thick, or 144 cubic inches. 1 cubic foot therefore equals 12 feet board measure

TABLE 28: Decimal and Millimeter Equivalents of Fractions

Inches			Milli-meters	Inches			Milli-meters	Inches			Milli-meters
Fractions		Decimals		Fractions		Decimals		Fractions		Decimals	
1/64		.015625	.397		11/32	.34375	8.7319		11/16	.6875	17.463
	1/32	.03125	.794	23/64		.359375	9.128	45/64		.703125	17.859
3/64		.046875	1.191		3/8	.375	9.525		23/32	.71875	18.256
	1/16	.0625	1.588	25/64		.390625	9.922	47/64		.734375	18.653
5/64		.078125	1.984		13/32	.40625	10.319		3/4	.750	19.050
	3/32	.09375	2.381	27/64		4.21875	10.716	49/64		.765625	19.447
7/64		.109375	2.778		7/16	4.375	11.113		25/32	.78125	19.844
	1/8	.125	3.175	29/64		4.53125	11.509	51/64		.796875	20.241
9/64		.140625	3.582		15/32	.46875	11.906		13/16	.8125	20.638
	5/32	.15625	3.969	31/64		.48376	12.303	53/64		.828125	21.034
11/64		.171875	4.366		1/2	.500	12.700		27/32	.84375	21.431
	3/16	.1875	4.763	33/64		.515625	13.097	55/64		.859375	21.828
13/64		.203125	5.159		17/32	.53125	13.494		7/8	.875	22.225
	7/32	.21875	5.556	35/64		.546875	13.891	57/64		.890625	22.622
15/64		.234375	5.953		9/16	.5625	14.288		29/32	.90524	23.019
	1/41	.250	6.350	37/64		.578125	14.684	59/64		.921875	23.416
7/64		.265625	6.747		19/32	.59375	14.081		15/16	.9375	23.813
	9/32	.28125	7.144	39/64		.609375	15.478	61/64		.953125	24.209
19/64		.296875	7.541		5/8	.625	15.875		31/32	.96875	24.606
	5/16	.3125	7.938	41/64		.60625	16.272	63/64		.984375	25.003
21/64		.328125	8.334		21/32	.65625	16.669		1	1.000	25.400
				43/64		.671875	17.066				

Table 29: Millimeter-Inch Equivalents: 1" = 25.4mm (.03937" = 1mm)

Milli-meter	Decimal	Milli-meter	Decimal	Milli-meter	Decimal	Milli-meter	Decimal	Milli-meter	Decimal
1	.03937	52	2.04724	103	4.05511	154	6.06299	205	8.07086
2	.07874	53	2.08661	104	4.09448	155	6.10236	206	8.11023
3	.11811	54	2.12598	105	4.13385	156	6.14173	207	8.14960
4	.15748	55	2.16535	106	4.17322	157	6.18110	208	8.18897
5	.19685	56	2.20472	107	4.21259	158	6.22047	209	8.22834
6	.23622	57	2.24409	108	4.25196	159	6.25984	210	8.26771
7	.27559	58	2.28346	109	4.29133	160	6.29921	211	8.30708
8	.31496	59	2.32283	110	4.33070	161	6.33858	212	8.34645
9	.35433	60	2.36220	111	4.37007	162	6.37795	213	8.38582
10	.39370	61	2.40157	112	4.40944	163	6.41732	214	8.42519
11	.43307	62	2.44094	113	4.44881	164	6.45669	215	8.46456
12	.47244	63	2.48031	114	4.48818	165	6.49606	216	8.50393
13	.51181	64	2.51968	115	4.52755	166	6.53543	217	8.54330
14	.55118	65	2.55905	116	4.56692	167	6.57480	218	8.58267
15	.59055	66	2.59842	117	4.60629	168	6.61417	219	8.62204
16	.62992	67	2.63779	118	4.64566	169	6.65354	220	8.66141
17	.66929	68	2.67716	119	4.68503	170	6.69291	221	8.70078
18	.70866	69	2.71653	120	4.72440	171	6.73228	222	8.74015
19	.74803	70	2.75590	121	4.76378	172	6.77165	223	8.77952
20	.78740	71	2.79527	122	4.80315	173	6.81102	224	8.81889
21	.82677	72	2.83464	123	4.84252	174	.685039	225	8.85826
22	.86614	73	2.87401	124	4.88189	175	6.88976	226	8.897.63
23	.90551	74	2.91338	125	4.92126	176	6.92913	227	8.93700
24	.94488	75	2.95275	126	4.96063	177	.696850	228	8.97637
25	.98425	76	2.99212	127	5.00000	178	7.00787	229	9.01574
26	1.02362	77	3.03149	128	5.03937	179	7.04724	230	9.05511
27	1.06299	78	3.07086	129	5.07875	180	7.08661	231	9.09448
28	1.10236	79	3.11023	130	5.11811	181	7.12598	232	9.13385
29	1.14173	80	3.14960	131	5.15749	182	7.16535	233	9.17322
30	1.18110	81	3.18897	132	5.19685	183	7.20472	234	9.21259
31	1.22047	82	3.22834	133	5.23622	184	7.24409	235	9.25196
32	1.25984	83	3.26771	134	5.27559	185	7.28346	236	9.29133
33	1.29921	84	.303708	135	5.31496	186	7.32283	237	9.33070
34	1.33858	85	3.34645	136	5.35433	187	7.36220	238	9.37007
35	1.37795	86	3.38582	137	5.39370	188	7.40157	239	9.40944
36	1.41732	87	.342519	138	.543307	189	7.44094	240	9.44881
37	1.45669	88	3.46456	139	.547244	190	7.48031	241	9.48818
38	1.49606	89	3.50393	140	5.51181	191	7.51968	242	9.52755
39	1.53543	90	3.54330	141	5.55118	192	7.55905	243	9.56692
40	1.57480	91	.358267	142	5.59055	193	7.59842	244	9.60629
41	1.61417	92	3.62204	143	5.62992	194	7.63779	245	9.64566
42	1.65354	93	3.66141	144	5.66929	195	7.67716	246	9.68503
43	1.69291	94	3.70078	145	5.70866	196	7.71653	247	9.72440
44	1.73228	95	3.74015	146	5.748.4	197	7.75590	248	9.76378
45	1.77165	96	3.77952	147	5.78740	198	7.79527	249	9.80315
46	1.81102	97	3.81899	148	5.82677	199	7.83464	250	9.84252
47	1.85039	98	3.85826	149	5.86614	200	7.87401	251	9.88189
48	1.88976	99	3.89763	150	5.90551	201	7.91338	252	9.92126
49	1.92913	100	3.93710	151	5.94488	202	795275	253	9.96063
50	1.96850	101	3.97637	152	5.98425	203	799221	254	10.00000
51	2.00787	102	4.01574	153	6.02362	204	8.03149	-	-

ENGINEERING/TECHNICAL

DODGE®

Metric System of Measurements

Measures of Length

10	millimeters (mm.)	=	1 centimeter (cm.)
10	centimeters	=	1 decimeter (dm.)
10	decimeters	=	1 meter (m.)
1000	meter	=	1 kilometer (km.)

Measure of Weight

10	milligrams (mg.)	=	1 centigram (cg.)
10	centigrams	=	1 decigram (dg.)
10	decigrams	=	1 gram (g.)
10	grams	=	1 decagram (Dg.)
10	decagrams	=	1 hectogram (Hg.)
10	hectograms	=	1 Kilogram (Kg.)
1000	kilograms	=	1 (metric) ton (T.)

Surveyor's Square Measure

100	square meters (m.2)	=	1 are (ar.)
100	acres	=	1 hectare (har.)
100	hectares	=	1 sq. kilometer (Km.2)

Square Measure

100	sq. millimeters (mm.2)	=	1 sq. centimeter (cm.2)
100	sq. centimeters	=	1 sq. decimeter (dm.2)
100	sq. decimeters	=	1 sq. meter (m.2)

Cubic Measure

1000	cu. millimeters (mm.3)	=	1 cu. centimeter (cm.3)
1000	cu. centimeters	=	1 cu. decimeter (dm.3)
1000	cu. decimeters	=	1 cu. meter (m.3)

Dry and Liquid Measure

10	milliliters (ml.)	=	1 centiliter (cl.)
10	centiliters	=	1 deciliter (dl.)
10	deciliters	=	1 liter (l.)
100	liters	=	1 hectoliter (Hl.)

1 liter = 1 cubic decimeter = the volume of 1 kilogram of pure water at a temperature of 39.2 degrees F.

Length Conversion Constants for Metric and U.S. Units

Millimeters X.039370 = inches.
Meters x 39.370 = inches.
Meters X 3.2808 = feet.
Meters X 1.09361 = yards.
Kilometers X 3,280.8 = feet.
Kilometers X.62137 = Statute Miles.
Kilometers x.53959 = Nautical Miles.

Inches X 25.4001 = millimeters.
Inches X.0254 = meters.
Feet x.30480 = meters.
Yards X.91440 = meters.
Feet x.0003048 = kilometers.
Statute Miles X 1.60935 = kilometers.
Nautical Miles x 1.85325 = kilometers.

Weight Conversion Constants for Metric and U.S. Units

Grams X 981 = dynes.
Grams X 15.432 = grains.
Grams X.03527 = ounces (Avd.).
Grams x.033818 = fluid ounces (water).
Kilograms X 35.27 = ounces (Avd.).
Kilograms X 2.20462 = pounds (Avd.).
Metric Tons (1000 Kg.) X 1.10231 = Net Ton (2000 lbs.).
Metric Tons (1000 Kg.) X.98421 = Gross Ton (2240 lbs.).

Dynes X.0010193 = grams.
Grains X.0648 = grams.
Ounces (Avd.) X 28.35 = grams.
Fluid Ounces (Water) X 29.57 = grams.
Ounces (Avd.) X.02835 = kilograms.
Pounds (Avd.) X.45359 = kilograms.
Net Ton (2000 lbs.) X.90719 = Metric Tons (1000 Kg.).
Gross Ton (2240 lbs.) X 1.01605 = Metric Tons (1000 Kg.).

Area Conversion Constants for Metric and U.S. Units

Square Millimeters X.00155 = square inches.
Square centimeters X.155 = square inches.
Square Meters X 10.76387 = square feet.
Square Meters X 1.19599 = square yards.
Hectares X 2.47104 = acres.
Square Kilometers X 247.104 = acres.
Square Kilometers X.3861 = square miles.

Square Inches X 645.163 = square millimeters.
Square Inches x 6.45163 = square centimeters.
Square Feet x.0929 = square meters.
Square Yards X.83613 = square meters.
Acres X.40469 = hectares.
Acres X.0040469 = square kilometers.
Square Miles X 2.5899 = square kilometers.

Volume Conversion Constants for Metric and U.S. Units

Cubic centimeters X.033818 = fluid ounces.
Cubic centimeters X.061023 = cubic inches.
Cubic centimeters X.271 = fluid drams.
Liters X 61.023 = cubic inches.
Liters X 1.05668 = quarts.
Liters X .26417 = gallons.
Liters X.035317 = cubic feet.
Hectoliters X 26.417 = gallons.
Hectoliters X 3.5317 = cubic feet.
Hectoliters X 2.83794 = bushel (2150.42 cu. in.).
Hectoliters X.1308 = cubic yards.
Cubic Meters x 264.17 = gallons.
Cubic Meters x 35.317 = cubic feet.
Cubic Meters X 1.308 = cubic yards.

Fluid Ounces X 29.57 = cubic centimeters.
Cubic Inches X 16.387 = cubic centimeters.
Fluid Drams x 3.69 = cubic centimeters.
Cubic Inches X.016387 = liters.
Quarts x.94636 = liters.
Gallons x 3.78543 = liters.
Cubic Feet x 28.316 = liters.
Gallons x.0378543 = hectoliters.
Cubic Feet x.28316 = hectoliters.
Bushels (2150.42 cu. in.) X.352379 = hectoliters.
Cubic Yards x 7.645 = hectoliters.
Gallons x.00378543 = cubic meters.
Cubic Feet x.028316 = cubic meters.
Cubic Yards x.7645 = cubic meters.

Power and Heat Conversion Constants for Metric and U.S. Units

Calorie x 0.003968 = B.T.U.
Joules X.7373 = pound-feet.
Newton-Meters X 8.851 = pound-inches
Cheval Vapeur X.9863 = Horsepower.
Kilowatts X 1.34 = Horsepower.
Kilowatt Hours X 3415 = B.T.U.
(Degrees Cent. X 1.8) +32 = degrees Fahr.
(Degrees Reamur X 2.25) + 32 = degrees Fahr.

B.T.U. X 252 = calories.
Pound-Feet X 1.3563 = joules.
Pound-inches X.11298 = Newton-meters.
Horsepower X 1.014 = Cheval Vapeur.
Horsepower X.746 = kilowatts.
B.T.U. X.00029282 = kilowatt hours.
(Degrees Fahr. - 32) x.555 = degrees Cent.
(Degrees Fahr. - 32) x.444 = degrees Reamur.

COMMON CONVERSION FACTORS USEFUL IN MECHANICAL POWER TRANSMISSION

Symbols and Abbreviations Used in Conversion Factors

Symbols and abbreviations found in this section are those currently used in many texts and product publications. Considerable effort is underway to standardize on abbreviations for metric and English units of measurement. Recently, ASTM (American Society for Testing and Materials) and IEEE (Institute of Electrical and Electronic Engineers) published a standard practice on the metric system. † This publication consolidates a great deal of the current thinking and provides a system of abbreviations and symbols that differ somewhat from those used here.

This Handbook has retained use of familiar abbreviations consistent with existing product and trade literature rather than the abbreviations found in current publications of technical and scientific societies.

Prefixes Used in the Metric System

Common prefixes and symbols used in the metric system are listed below. An example of use is 1000 meters is equivalent to 1 kilometer, and 1/1000 of one meter is equivalent to 1 millimeter.

Prefix	Symbol	Multiplication Factor-Decimal and Power of 10
giga	G	1,000,000,000 or 109 or one billion
mega	M	1,000,000 or 106 or one million
kilo	k	1,000 or 103 or one thousand
*hecto	h	100 or 102 or one hundred
*deka	da	10 or 101 or ten
**deci	d	0.1 or 10-1 or one tenth
**centi	c	0.01 or 10-2 or one hundredth
mill	m	0.001 or 10-3 or one thousandth
micro	μ	0.000,001 or 10-6 or one millionth
nano	n	0.000,000,001 or 10-9 or one billionth

* Not commonly used.

** Not commonly used except for special situations.
The centimeter as a unit of length is in common use.
The decibel is a unit in both electrical and acoustical work.

† ASTM/IEEE Standard Metric Practice, ASTM E 380-75, IEEE Std. 268-1976.

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ENGINEERING/TECHNICAL

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Symbol or Abbreviation	Term
atm	atmosphere
avdp	avoirdupois
bbl	barrels
bu	bushels
C	degrees Centigrade or Celsius
cc	cubic centimeters
cfm	cubic feet per minute
cfs	cubic feet per second
cm	centimeter
cu	cubic
deg	degrees
F	degrees Fahrenheit
fps	feet per second
ft	feet
ft-lb	foot-pounds (work or energy)
ft per sec	feet per second (alternate)
ft per sec^2	feet per second per second
g	acceleration due to gravity
g	grams
gal	gallons
gpm	gallons per minute
hp	horsepower
hr	hour
in	inches
in-lb	inch-pounds (work or energy)
K	degrees Kelvin
kg	kilograms
km	kilometers
kn	knots
kW	kilowatts
l	liters
lb	pounds
lb-ft	pound-feet (torque)
m	meters
m per sec^2	meters per second per second
mi	miles
mm	millimeters
mph	miles per hour
MGD	millions of gallons per day
N	Newtons
oz	ounces
oz-in	ounce-inches (torque)
Pa	Pascals
psi	pounds per square inch
psia or psig	pounds per square inch “absolute” or gauge
pt	pint
qt	quart
R	degrees Rankine (Fahrenheit, absolute)
rad	radians
rev	revolutions
rpm	revolutions per minute
sec	seconds
sq	square
std	standard
temp	temperature
wt	weight
yd	yard
yr	year

Rounding of Numbers

A minimum of four significant figures are used in conversion factors presented here. Where the conversion factor is exact (for example, 1 foot contains 12 inches), decimal fractions are not necessary. Also, where large whole numbers are used (for example, 1 square kilometer contains 1195990 square yards), decimal fractions are not used unless justified by the accuracy of ordinary computations.

1195990	(sq yd in a sq km)
4389.12	(cc in a cu ft)
448.86	(gpm in a liter per sec)
14.70	(psi in an atmosphere)
0.4331	(psi in a ft of water)
0.0625	(lb-in in an oz-in)

VELOCITY

centimeters per second (cm per sec)	feet per second (fps or ft per sec)	0.3281
feet per second (fps)	centimeters per second (cm per sec)	30.48
	meters per second (m per sec)	0.3048
	kilometers per hour (km per hr)	1.097
	miles per hour (mph)	0.6818
kilometers per hour (km per hr)	knots (kn)	0.5396
	feet per second (fps)	1.467
	kilometers per hour (km per hr)	1.609
	feet per minute (ft per min.)	88
knots (kn)	miles per hour (mph)	1.152
	kilometers per hour (km per hr)	1.853
radians per second (rad per sec)	revolutions per minute (rpm)	9.55
	degrees per minute (deg per min.)	3437.7
revolutions per minute (rpm)	radians per second (rad per sec)	0.1047
	degrees per minute (deg per min.)	360

ACCELERATION
COLUMN A

To Convert From…	To…	Multiply Col. A by
feet per second per second (ft per sec^2)	meters per second per second (m per sec^2)	0.3048
m per sec^2	ft per sec^2	3.281
revolutions per minute per second (rpm per sec)	radians per second per second (rad per sec^2)	0.1047
rad per sec^2	rpm per sec	9.55

ENGINEERING/TECHNICAL

DODGE®

VOLUMETRIC FLOW RATES

gallons per minute, US (gpm)	liters per second (l per sec)	0.008434
	cubic feet per minute (cfm)	0.1337
	cubic feet per hour (cu ft per hr)	8.022
gallons per minute, UK or Canadian (gpm)	liters per second (l per sec)	0.0101
	cubic feet per minute (cfm)	0.1606
	cubic feet per hour (cu ft per hr)	9.634
cubic feet per second (cfs)	gpm (UK or Canadian)	373.77
	gpm (US)	448.86
	liters per second (l per sec)	1699.2
liters per second (l per sec)	cubic feet per minute (cfm)	2.119
	gpm (UK or Canadian)	13.20
	gpm (US)	15.85
millions of gallons per day, US (MGD)	liters per second (l per sec)	43.81
	cubic feet per minute (cfm)	92.85
	gallons per minute, US (gpm)	694.44

PRESSURE

pascals (Pa)	pounds per square inch (psi)	0.0001450
	pounds per square foot (lb per ft^2)	0.02089
	newtons per square meter	1
pounds per square inch (psi)	atmospheres, std. (atm)	0.0680
	pounds per square foot (lb per ft^2)	144
	pascals (Pa)	6894.8
	foot of water (ft of H20) 60F	2.301
atmospheres (atm), standard	psi	14.70
	lb per ft^2	2116.8
	Pa	101325
inch of water, 60F (in of H20)	psi	0.03609
	lb per ft^2	5.197
	Pa	248.84
foot of water, 60F (ft of H20)	psi	0.4331
	lb per ft^2	62.36
	Pa	2985.9

WEIGHT, MASS, INERTIA

pounds (lb)*	kilograms (kg)	0.4536
	ounces (oz)	16
kilograms (kg)	pounds (lb)	2.205
	ounces (oz)	35.27

WEIGHT, MASS, INERTIA, continued
COLUMN A

Convert From	To	Multiply Col A By This Factor
tons (short)	metric tons	0.9072
	kilograms (kg)	907.2
	pounds (lb)	2000
metric tons	tons (short)	1.102
	kilograms	1000
	pounds	2205
pounds, weight (lb)	slugs, mass (lb-sec2 per ft)	0.03106
pound-foot2 (lb-ft2)	kilogram-meters2 (kg-m2)	0.04214

*pounds and ounces are avoirdupois

FORCE AND TORQUE

pounds (lb)	newtons(N)	4.448
newtons (N)	pounds (lb)	0.2248
newton-meters (N-m)	pound-feet (lb-ft)	0.7376
	pound-inches (lb-in)	8.851
	ounce-inches (oz-in)	141.60
ounce-inches (oz-in)	lb-ft	0.005208
	N-m	0.007062
	lb-in	0.0625
pound-inches (lb-in)	lb-ft	0.0833
	N-m	0.1298
	oz-In.	16
pound-feet (lb-ft)	N-m	1.356
	lb -in	12
	oz-In.	192

POWER

horsepower (hp)	kilowatts (kW)	0.7457
	foot-pounds per second (ft-lb per sec)	550
	foot-pounds per minute (ft-lb per min.)	33000
kilowatts (kW)	horsepower (hp)	1.341

TEMPERATURE

		Use This Relationship
degrees Fahrenheit (F)	degrees Celsius (C)	C =5/9 (F-32)
degrees Celsius (C)	degrees Fahrenheit (F)	F=9/5C+32
degrees Fahrenheit (F)	degrees Rankine (R)	R =F+459.69
degrees Celsius (C)	degrees Kelvin (K)	K=C+273.16

Examples:

1. Convert 12F to C. C = 5/9 (F-32) = 5/9 (12-32) = 5/9 (-20)
   Answer = -11.1C
2. Convert 40C to F. F = 9/5C + 32 = 9/5 (40) + 32 = 72 + 32
   Answer = 104F

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GRAVITATIONAL CONSTANT

g = 32.174 feet per second per second (ft per sec2)
= 9.8067 meters per second per second (m per sec2)

APPROXIMATE DENSITIES OF COMMON MATERIALS

	REPRESENTATIVE DENSITIES	
	Grams per cc	lb per cu ft
GASES @ 68F, std atm		
Air	1.30 grams per liter	0.07528
Oxygen	1.45 grams per liter	0.08305
Hydrogen	0.09 grams per liter	0.005234
Nitrogen	1.25 grams per liter	0.07274
	All Other Materials grams per cc	
LIQUIDS		
Water @ 4C	1.000 grams per cc	62.43
20C	0.998	62.32
40C	0.992	61.94
SeaWater	1.02-1.03	64.00
Ethyl alcohol 100%	0.789	49.2
Kerosene	0.78-0.82	50
Gasoline	0.70-0.75	45
METALS		
Aluminum (95% Al)	2.70	169
Bronze (90% Cu, 10% Zn)	8.80	549
Copper (Annealed, ACS)	8.89	555
Gold	19.32	1206
Iron, gray cast	7.10	443
Lead	11.36	709
Magnesium	1.74	109
Steel (0.4-0.5% Carbon)	7.80	487
Steel, 410 stainless	7.70	480
ENGINEERING PLASTICS		
ABS, general purpose	1.01-1.05	64
Acrylics, cast sheet	1.19	74
Nylon 6/6	1.13-1.15	71
Phenolic, general purpose	1.35-1.46	87
Polycarbonates, general purpose	1.2	75
Polyesters, thermoplastic, unreinforced	1.31 - 1.43	86
Polyehtylene, medium density	0.926-0.940	58
Polyvinyl Chloride	1.30-1.58	89

APPROXIMATE DENSITIES OF COMMON MATERIALS

REPRESENTATIVE DENSITIES

	Grams per cc	lb per cu ft
OTHER MATERIALS		
Concrete (stone and sand)	2.2-2.4	144
Limestone	1.5	94
Anthracite coal, not piled	1.4-1.8	100
Bituminous coal, not piled	1.2-1.5	83
Lignite coal, not piled	1.1-1.4	78
Wood, air dried:		
Douglas fir	0.48-0.55	32
White oak	0.77	48
White maple	0.53	33
Oregon pine	0.51	32
Hickory	0.74-0.80	48
Mahogany	0.56-0.85	44
African teak	0.99	62
Indian teak	0.66-0.88	48

Formulas and Constants

1 HP = 33,000 Foot-pounds of work per minute.

1 HP =.746 K.W. = K.W.P 1.341.

1 HP = 2547 B.T.U. per hour.

1 B.T.U. = Heat required to raise 1 lb. water 1-F.

1 B.T.U. = 777.6 Foot-pounds work.

1 Kilowatt Hour = 3415 B.T.U.

Heat Value of Carbon = 14,600 B.T.U. per pound.

Latent Heat of Fusion of Ice = 143.15 B.T.U. per pound.

Latent Heat of Evaporation of Water at 212° F. = 970.4 B.T.U. per pound.

Total Heat of Saturated Steam at atmospheric pressure = 1,150.4 B.T.U. per pound.

1 Ton of Refrigeration = 288,000 B.T.U. per 24 hours.

g = Acceleration of Gravity (commonly taken as 32.16 feet per second per second).

1 Radian = 57.296 degrees.

1 Meter = 100 cm. = 39.37 inches.

1 Kilometer =.62137 miles.

1 Gallon = 231 cubic inches.

1 Barrel = 31.5 gallons.

Atmospheric Pressure = 14.7 pounds per sq. in. = 29.92 inches mercury at 32° F.

1 Lb. per Sq. In. Pressure = 2.3095 feet fresh water at 62° F. = 2.0355 inches mercury at 32° F. = 2.0416 inches mercury at 62° F.

Water Pressure (pounds per sq. in.) =.433 X height of water in feet (Fresh water at 62°F.).

Weight of 1 cu. ft. fresh Water = 62.355 lbs. at 62°F. = 59.76 lbs. at 212° F.

Weight of 1 cu. ft. Air at 14.7 lbs. per sq. in. Pressure = .07608 lbs. at 62° F. =.08073 lbs. at 32° F.

† Also look in the General Index under Weights, Measures, or the subject material required.

Flywheel Formulas

Flywheels are used on some machines, for example air compressors, to even out load pulsations. The following formulas are useful in designing entire flywheels and flywheel rims. A V-belt sheave may also be used as a flywheel eliminating the need for a separate flywheel in the system.

Formulas for Entire Flywheel

Kinetic energy of rotation of a flywheel (foot pounds) $=.0001705\ N^2(WR^2)^*$.

Torque to uniformly accelerate or decelerate a flywheel

$$= \frac{.03908\ (N_2 - N_1)\ (WR^2),}{t} * \text{ pound-inches}$$

where N_2 = final R.P.M. and N_1 = initial R.P.M.
Velocity at outside diameter (feet per minute) = 0.2618 ND.

W = weight (pounds).

R = radius of gyration (feet).

N = speed (R.P.M.)

t = time to change from N_1 to N_2 (seconds).

F = face of rim (inches).

D = outside diameter of rim (inches).

d = inside diameter of rim (inches).

K = weight per cubic inch of material (pounds).

*WR^2 = flywheel effect (pounds X feet^2). See table to the right for WR^2 of rims. Ordinarily the WR^2 of the rim only is considered. In unusual instances the relatively small WR^2 values of the hub and arms or web can be added directly to the WR^2 of the rim if desired. To find the WR^2 of a hub or web use the WR^2 formula for rims, substituting the hub or web outside diameter, inside diameter, and width for D, d and F respectively. When arms are used instead of a web an approximate WR^2 value of the arms is the total weight of the arms in pounds times the square of the radius in feet from the shaft center line to the mid point of the arms between hub and rim.

Table 30: Formulas for Flywheel Rims

Property	Cast Iron Rim (Based on.26 lbs. per cu. in.)	Steel Rim (Based on .283 lbs. per cu. in.)	Rim of any material weighing K pounds per cubic inch
Volume (Cubic Inches)	$.7854F(D^2-d^2)$	$.7854F(D^2-d^2)$	$.7854F(D^2-d^2)$
W Weight (Pounds)	$.2042F(D^2-d^2)$	$.2223F(D^2-d^2)$	$.7854FK(D^2-d^2)$
R Radius of Gyration (Feet)	$\sqrt{\frac{.8681\ (D^2-d^2)}{1000}}$	$\sqrt{\frac{0.8681\ (D^2-d^2)}{1000}}$	$\sqrt{\frac{.8681\ (D^2-d^2)}{1000}}$
WR^2 Wt X Sq. of Radius of Gyration (Lbs. X Ft.^{2})	$\frac{.1773F(D^4-d^4)}{1000}$	$\frac{.1929F(D^4-d^4)}{1000}$	$\frac{.6818FK(D^4-d^4)}{1000}$
T ▲ Tensile Load in rim (Lbs.)	$\frac{.3078FN2(D^3-d^3)}{1000000}$	$\frac{.3350FN2(D^3-d^3)}{1000000}$	$\frac{1,184FKN2(D^3-d^3)}{1000000}$

▲ Centrifugal force causes this tensile load at each and every section of the rim. Hence, on rims split into two or more sections the fastening at each joint should be designed to take the full load as calculated from the formula here given.

Centrifugal Force

R = Distance from the axis of rotation to the center of gravity of the body (feet).

N = Revolutions per minute.

v = Velocity of the center of gravity of the body (feet per second).

g = Acceleration due to gravity (32.16 commonly).

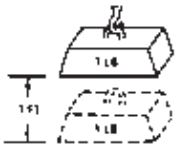
$$F = \frac{Wv^2}{gR} = \frac{WRN^2}{2933} = .000341\ WRN^2$$

F = Centrifugal force tending to move the body outward from the axis of rotation (pounds).

W = Weight of body (pounds).

DODGE®

Torque and Horsepower Equivalents

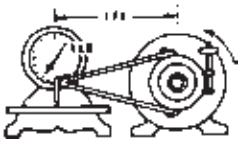


A foot-pound is the amount of energy expended in lifting a one-pound mass a distance of one foot against the pull of gravity

FOOT-POUNDS INDICATE ENERGY

TORQUE

It is: a turning moment or twisting effort.
Is it expressed in foot-pounds? or pound-feet?



A pound-foot is the moment created by a force of one pound applied to the end of a lever arm one

POUND-FEET INDICATE TORQUE

$$\text{Torque (in Pound-Inches)} = \frac{63025 \times HP}{RPM} = \text{Force X Lever Arm (In Inches)}$$

$$\text{Torque (in Pound-Feet)} = \frac{5252 \times HP}{RPM} = \text{Force X Lever Arm (In Feet)}$$

Force = Working Load in Pounds.
FPM = Feet Per Minute.
RPM = Revolutions Per Minute.
Lever Arm = Distance from the Force to the center of rotation in Inches or Feet.

Example:

25 HP at 150 RPM = 10504 Pound-Inches Torque
2.5 HP at 150 RPM = 1050.4 Pound-Inches Torque

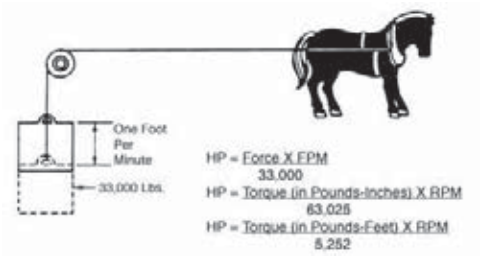
For other values of RPM move decimal point in RPM values to the left or right as desired, and in Torque values move to the right or left (opposite way) the same number of places.

Example:

25 HP at 150 RPM = 10504 Pound-Inches Torque
25 HP at 1.50 RPM = 1050400 Pound-Inches Torque
2.5 HP at 1.50 RPM = 105040 Pound-Inches Torque

HORSEPOWER

Common Unit of Mechanical power - (HP)
One HP is the rate of work required to raise 33,000 pounds one foot in one minute



Overhung Loads

An overhung load is a bending force imposed on a shaft due to the torque transmitted by V-drives, chain drives and other power transmission devices, other than flexible couplings.

Most motor and reducer manufacturers list the maximum values allowable for overhung loads. It is desirable that these figures be compared with the load actually imposed by the connected drive.

Overhung loads may be calculated as follows:

$$\text{O.H.L.} = \frac{63{,}000 \times HP \times F}{N \times R}$$

Where HP = Transmitted hp X service factor
N = RPM of shaft
R = Radius of sprocket, pulley. etc. (inches)
F = Factor (See chart to right)

Weights of the drive components are usually negligible. The formula is based on the assumption that the load is applied at a point equal to one shaft diameter from the bearing face. Factor F depends on the type of drive used:

F= { 1.00 for single chain drives.
1.3 for TIMING Belt Drives and HTD belt Drives.
1.25 for spur or helical gear or double chain drives.
1.50 for V-belt drives. 2.50 for flat belt drives.
2.50 for flat belt drives.

Example: Find the overhung load imposed on a reducer by a double chain drive transmitting 7 hp @ 30 RPM. The pitch diameter of the sprocket is 10"; service factor is 1.3.
Solution:

$$\text{O.H.L.} = \frac{(63{,}000)\ (7 \times 1.3)\ (1.25)}{(30)\ (5)} = 4{,}780 \text{ lbs.}$$

Mathematical Equations

To find circumference of a circle, multiply diameter by 3.1416.
To find diameter of a circle, multiply circumference by .31831.
To find area of a circle, multiply square of diameter by .7854.
To find area of a rectangle, multiply length by breadth.
To find area of a triangle, multiply base by 1/2 perpendicular height.
To find area of ellipse, multiply product of both diameters by .7854.
To find area of parallelogram, multiply base by altitude.
To find side of an inscribed square, multiply diameter by 0.7071 or multiply circumference by 0.2251 or divide circumference by 4.4428.
To find side of inscribed cube, multiply radius of sphere by 1.1547.
To find side of an equal square, multiply diameter by .8862.
To find the surface of a sphere, square the diameter and multiply by 3.1416.
To find the volume of a sphere, cube the diameter and multiply by .5236.
A side of a square multiplied by 1.4142 equals diameter of its circumscribing circle.
A side of a square multiplied by 4.443 equals circumference of its circumscribing circle.

Table 31: Strength and Physical Properties of Various Metals

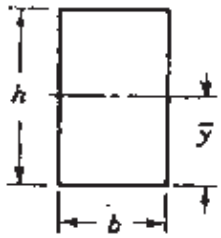
Metals and Alloys	Stress in Thousands of Pounds per Sq. Inch				Modulus of Elasticity Millions	Elongation%
	Tension Ultimate	Tension Yield Point	Compression Ultimate	Shear Ultimate		
Aluminum, Type 1100.0, Annealed	13	5	.....	9	10	45
Aluminum, Type 1100-H18, Hard	24	22	.....	13	10	15
Aluminum. Type 3003-0, Annealed	16	6	.....	11	10	40
Aluminum, Type 3003-H18, Hard	29	27	.....	16	10	10
Aluminum, Type 5052-0, Annealed	28	13	.....	18	10.20	30
Aluminum, Type 5052-H38, Hard	42	37	.....	24	10.20	8
Aluminum, Type 5056-0, Annealed	42	22	.....	26	10.30	35
Aluminum, Type 2014-0, Annealed	27	14	.....	18	10.60	18
Aluminum, Type 2014-T4, Heat Treated	62	42	.....	38	10.60	20
Aluminum, Type C4A, Casting. Solution Heat Treat	32	16	16▲	24	.....	8.50
Aluminum, Type S5C, As Die Cast	30	16	16▲	19	.....	9
Brass, Admiralty, Annealed	53	22	.....	.....	16	65
Brass, Aluminum, Annealed	60	27	.....	.....	16	55
Brass, Cartridge, 30% Zn, Annealed	44	11	.....	32	16	66
Brass, Cartridge, 30% Zn, Hard	76	63	.....	44	16	8
Brass, Naval, Annealed	57†	25†	.....	40 †	15	47†
Brass, Naval, Leaded, Annealed	57†	25†	.....	36 †	15	40†
Brass, Red, 15% Zn, Annealed	39	10	.....	31	17	48
Brass, Red, 15% Zn, Hard	70	57	.....	42	17	5
Brass, Red, Leaded, Cast, Grade 4A	33-46	17-24	10-12▲	.....	9.1-14.8	20-35
Brass, Red, Leaded, Cast, Grade 4B	30-38	12-17	11-12▲	.....	.....	15-27
Brass, Semi-Red, Leaded, Cast, Grade 5A	29-39	13-17	.....	.....	7.7-14.3	18-30
Brass, Semi-Red, Leaded, Cast, Grade 5B	30-40	12-16	8-10▲	.....	10-14	20-35
Brass, Yellow, 35% Zn, Annealed	46	14	.....	32	15	65
Brass, Yellow, 35% Zn, Hard	74	60	.....	43	15	8
Bronze, Aluminum, As Cast	67-95	27-45	.....	.....	15-18	5-35
Bronze, Commercial, 10% Zn, Annealed	37†	10†	.....	28 †	17	45=
Bronze, Manganese, Annealed	65†	30†	.....	42 v	15	33=
Bronze, Phosphor, Annealed	40-66	14-24	.....	.....	16-17	48-70
Bronze, Tin, High Leaded, Cast	23-38	11-22	12-16▲	.....	8.5-13	7-20
Bronze, Tin, Leaded, Cast	33-48	16-26	9-15▲	.....	10.6-16	15-40
Copper, Beryllium, Annealed	60-80	25-35v	.....	50-60 †	19	35-50†
Copper, Electrolytic, Tough Pitch, Annealed	32†	10†	.....	22 †	17	45†
Inconel, Cast	65-90	.....	.....	.....	23	10-20
Inconel, S, Cast	90-120	80-100	.....	.....	25	1-3
Inconel, Shapes, Plate, Etc., Annealed	80-100†	30-45†	.....	.....	31	35-55†
Inconel, X, Shapes, Plate, Etc., Annealed	110-130†	45-65†	.....	.....	31	40-55†
Iron, Cast, Class 30	30-34	.....	115	44	15	.....
Iron, Cast, Class 35	35-40	.....	125	43	16	.....
Iron, Ingot, Hot Rolled	44	23	.....	.....	29.80	47
Iron, Malleable, Class 32510	50	33	90	46	25	10-18
Iron, Malleable, Class 35018	55	37	90	51	25	18-25
Iron, Nodular (Ductile) Class 60-45-10	60	45	120	.....	22-25	10-25
Iron, Nodular (Ductile) Class 80-60-3	80	60	160	.....	22-25	3-10
Iron, Pearlitic, Malleable	60-90	40-70	.....	.....	28	3-12
Iron, Wrought, Hot Rolled	34-47	23-24	.....	.....	29	7-35
Lead, Hard, Rolled	4.0-4.6	.....	.....	.....	.....	31-48
Magnesium Alloy, Extruded, ASTM MIA	26-28	23-28	10-13	16	6.50	8-11
Magnesium Alloy, Extruded, ASTM AZ6IA-F	40-45	22-32	15-21	21	6.50	15-16
Magnesium Alloy, Cast, ASTM MIB	14	4.50	.....	11	6.50	5
Magnesium Alloy, Cast, ASTM AZ92A	24	14	.....	19	6.50	2
Magnesium Alloy, Cast, ASTM AZ9IA	36	23	.....	20	6.50	4
Monel, Cast	65-90	32-45	.....	.....	23	20-50
Monel, S, Cast	120-145	80-130	.....	.....	24.20	1-4
Monel, Shapes, Plate, Etc., Annealed	70-85†	25-45†	.....	.....	26	35-50†
Monel, K, Shapes, Plate, Etc., Annealed	90-105†	40-65†	.....	26	25-45	35-55†
Muntz Metal, Cu 59.63%, Zn balance	54	21	.....	40	15	45
Nickel, Cast .	50-65	15-30	.....	.....	21.50	15-30
Nickel, Silver, Annealed	49-63†	18-30†	.....	.....	17-18	35-60†
Steel, Cast Carbon, Class 70,000 Normalized	70	38	.....	.....	30	28
Steel, Cast Low Alloy, Class 100,000, Normalized and Tempered	100	68	.....	.....	29-30	20
Steel, Cast Low Alloy, Class 120,000, Quenched and Tempered	120	95	.....	.....	29-30	16
Steel, Cast Low Alloy, Class 200,000, Quenched and Tempered	200	170	.....	.....	29-30	5
Steel, Sheets	48	25	.....	.....	29-30	18-27
Steel, Stainless, Austenitic, Types 304, 316	85	35	.....	.....	28	55-60
Steel, Stainless, Martensitic, Type 416	75	40	.....	.....	29	30
Steel, Structural, Bridge and Building, ASTM A7	60-72	33	33▲	45-54	29-30	21
Steel, Structural, High Strength, Low Alloy, ASTM A242	63-70	42-50	42-50▲	47-53	29-30	18-24
Zinc, Die Cast Alloy XXIII	41	.....	60▲	31	.....	10

† When hardened, strength values are higher, elongation less
▲ Compression yield point

Table 32: Properties of Sections

A = area
I = moment of inertia
J = polar moment of inertia
Z = section modulus π
k = radius of gyration
y = centroidal distance

Rectangle



$A = bh$

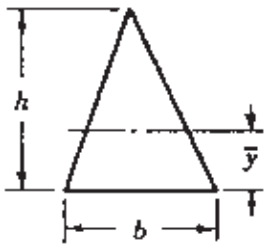
$I = \frac{bh^3}{12}$

$Z = \frac{bh^2}{6}$

$k = 0.289h$

$\bar{y} = \frac{h}{2}$

Triangle



$A = \frac{bh}{2}$

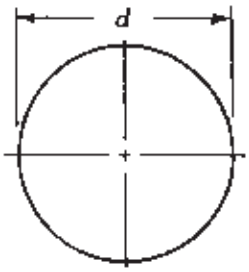
$I = \frac{bh^3}{36}$

$Z = \frac{bh^2}{24}$

$k = 0.236h$

$\bar{y} = \frac{h}{3}$

Circle



$A = \frac{\pi d^2}{4}$

$I = \frac{\pi d^4}{64}$

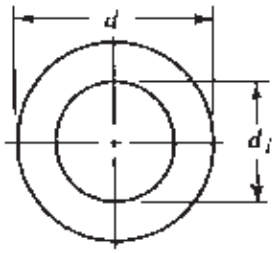
$Z = \frac{\pi d^3}{32}$

$J = \frac{\pi d^4}{32}$

$k = \frac{d}{4}$

$\bar{y} = \frac{d}{2}$

Hollow Circle



$A = \frac{\pi d}{4}(d^2 - d_i^2)$

$I = \frac{\pi}{64}(d^4 - d_i^4)$

$Z = \frac{\pi}{32d}(d^4 - d_i^4)$

$J = \frac{\pi}{32}(d^4 - d_i^4)$

$k = \sqrt{\frac{d^2 - d_i^2}{16}}$

$\bar{y} = \frac{d}{2}$

ENGINEERING/TECHNICAL

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Table 33: Coefficients of Friction "f"

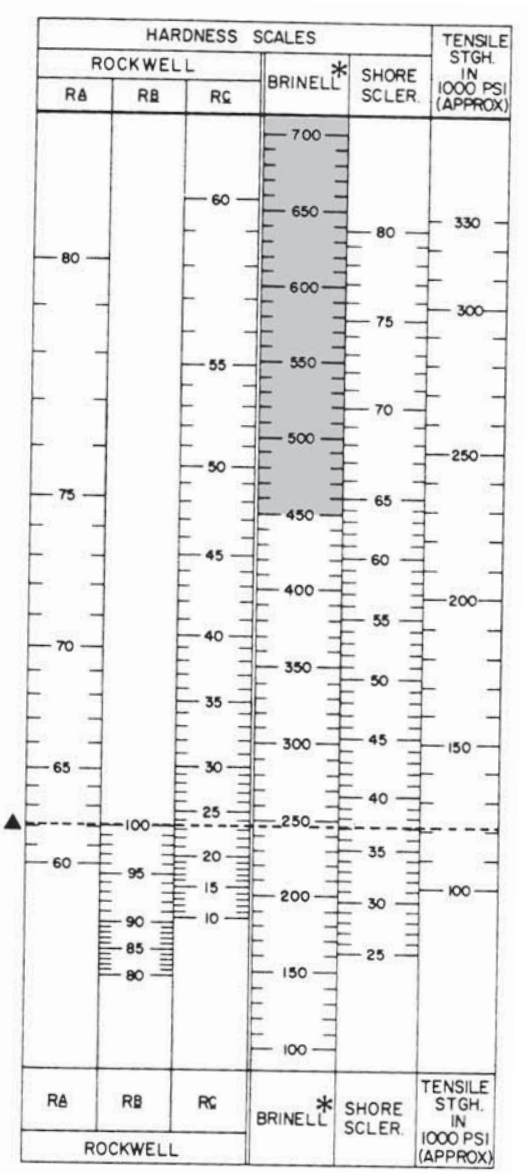
Material	Static		Sliding	
	Dry	Lubricated	Dry	Lubricated
Aluminum on aluminum	1.35	....	....	....
Canvas belt on rubber lagging	0.30	....	....	....
Canvas belt, stitched, on steel	....	....	0.20	0.10
Canvas belt, woven, on steel	....	....	0.22	0.10
Cast iron on asbestos, fabric	....	....	....	....
brake material	....	....	0.35-0.40	....
Cast iron on brass	....	....	0.30	....
Cast iron on bronze	....	....	0.22	0.07-0.08
Cast iron on cast iron	1.10	....	0.15	0.06-0.10
Cast iron on copper	1.05	....	0.29	....
Cast iron on lead	....	....	0.43	....
Cast iron on leather	0.60	....		0.13-0.36
Cast iron on oak (parallel)	....	....	0.30-0.50	0.07-0.20
Cast iron on magnesium	....	....	0.25	....
Cast iron on steel, mild	....	0.18	0.23	1/0/00 3:11
Cast iron on tin	....	....	0.32	....
Cast iron on zinc	0.85	....	0.21	....
Earth on earth	0.25-1.0	....	....	....
Glass on glass	0.94	....	0.40	....
Hemp rope on wood	0.50-0.80	....	0.40-0.70	....
Nickel on nickel	1.10	....	0.53	0.12
Oak on leather (parallel)	0.50-0.60	....	0.30-0.50	....
Oak on oak (parallel)	0.62	....	0.48	0.16
Oak on oak (perpendicular)	0.54	....	0.32	0.07
Rubber tire on pavement	0.8-0.9	0.6-0.7 *	0.75-0.85	0.5-0.7*
Steel on ice	0.03	....	0.01	....
Steel, hard, on babbit	0.42-0.70	0.08-0.25	0.33-0.35	0.05-0.16
Steel, hard. on steel, hard	0.78	0.11-0.23	0.42	0.03-0.12
Steel, mild, on aluminum	0.61	....	0.47	....
Steel, mild, on brass	0.51	....	0.44	....
Steel, mild, on bronze	....	....	0.34	0.17
Steel, mild, on copper	0.53	....	0.36	0.18
Steel, mild, on steel, mild	0.74	....	0.57	0.09-0.19
Stone masonry on concrete	0.76	....	....	....
Stone masonry on ground	0.65	....	....	....
Wrought iron on bronze	0.19	0.07-0.08	0.18	....
Wrought iron on wrought iron	....	0.11	0.44	0.08-0.10

* Wet pavement

Table 34: U.S. Standard Sheet Metal Gages

Gage No.	Thickness in Decimal Parts of an Inch	Gage No.	Thickness in Decimal Parts of an Inch
1	.2813	20	.0359
2	.2656	21	.0329
3	.2391	22	.0299
4	.2242	23	.0269
5	.2092	24	.0239
6	.1943	25	.0209
7	.1793	26	.0179
8	.1644	27	.0164
9	.1495	28	.0149
10	.1345	29	.0135
11	.1196	30	.0120
12	.1046	31	.0109
13	.0897	32	.0102
14	.0747	33	.0094
15	.0673	34	.0086
16	.0598	35	.0078
17	.0538	36	0070
18	.0478	37	.0066
19	.0418	38	.0063

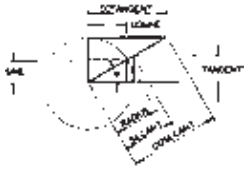
Hardness Comparison Chart



* Shaded area indicates values may vary depending on type of ball used.

▲ Example: A Brinell number of 245 is equal to 62 Rockwell "A", 100 Rockwell "B", 23 Rockwell "C", 37 Shore with a tensile of approximately 120,000 psi.

Trigonometric Formula



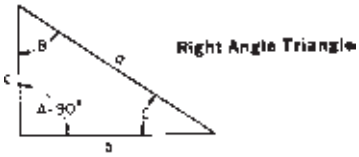


Table 35: Formulas for Finding Functions of Angles

Side opposite / Hypotenuse	=	SINE
Side adjacent / Hypotenuse	=	COSINE
Side opposite / Side adjacent	=	TANGENT
Side adjacent / Side opposite	=	COTANGENT
Hypotenuse / Side adjacent	=	SECANT
Hypotenuse / Side opposite	=	COSECANT

Table 36: Formulas for Finding Sides of Right Angle Triangles with an Angle and Side Known

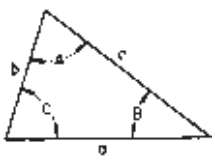
To find: Length of side opposite	Hypotenuse x Sine Hypotenuse ÷ Coscant Side adjacent x Tangent Side adjacent ÷ Cotangent
To find: Length of side adjacent	Hypotenuse X Cosine Hypotenuse ÷ Secant Side opposite X Cotangent Side opposite ÷ Tangent
To find: Length of Hypotenuse	Side opposite X Cosecant Side opposite ÷ Sine Side adjacent X Secant Side adjacent ÷ Cosine

Table 37: To Find Angles and Sides of Right Angle Triangles

To Find Angles				To Find Angles		
To Find:	Formulas			To Find:	Formulas	
C	$\frac{c}{a}$	=	Sine C	a	$\sqrt{b^2 + c^2}$	- - -
C	$\frac{b}{a}$	=	Cosine C	a	c x Cosec. C	$\frac{c}{\text{Sine C}}$
C	$\frac{c}{b}$	=	Tan. C	a	c x Secant B	$\frac{c}{\text{Cosine B}}$
C	$\frac{b}{c}$	=	Cotan C	a	b x Cosec. B	$\frac{b}{\text{Sine B}}$
C	$\frac{a}{b}$	=	Secant C	a	b x Secant C	$\frac{b}{\text{Cosine C}}$
C	$\frac{a}{c}$	=	Cosec. C	b	$\sqrt{a^2 - c^2}$	- - -
B	$\frac{c}{a}$	=	Sine B	b	a x Sine B	$\frac{a}{\text{Cosecant B}}$
B	$\frac{c}{a}$	=	Cosine B	b	a x Cos. C	$\frac{a}{\text{Secant C}}$
B	$\frac{b}{c}$	=	Tan. B	b	c x Tan. B	$\frac{c}{\text{Cotangent B}}$
B	$\frac{c}{d}$	=	Cotan. B	b	c x Cot. C	$\frac{c}{\text{Tangent C}}$
B	$\frac{a}{c}$	=	Secant B	c	$\sqrt{a^2 - b^2}$	- - -
B	$\frac{a}{b}$	=	Cosec. B	c	a x Cos. B	$\frac{a}{\text{Secant B}}$
				c	a x Sine C	$\frac{a}{\text{Cosecant C}}$
				c	b x Cot. B	$\frac{b}{\text{Tangent B}}$
				c	b x Tan. C	$\frac{b}{\text{Cotangent C}}$

Table 38: To Find Angles and Sides of Oblique Angle Triangle

Oblique Angle Triangle



To Find Angles and Sides of Oblique Angle Triangle					
To find:	Known	Formulas	To Find:	Known	Formulas
C	A, B	180° (A + B)	A	B, C	180°- (B + C)
b	a, B, A	$\frac{a \times \text{Sin. B}}{\text{Sin A}}$	Cos. A	a, b, c	$\frac{b^2 + c^2 - a^2}{2bc}$
c	a, A, C	$\frac{a \times \text{Sin. C}}{\text{Sin. A}}$	Sin. C	c, A, a	$\frac{c \times \text{Sin. A}}{a}$
Tan. A	a, C, b	$\frac{a \times \text{Sin. C}}{b - (a \times \text{Cos. C})}$	Cot. B	a, C, b	$\frac{a \times \text{Cosec. C}}{b}$
B	A, C	180° - (A + C)	c	b, C, B	b x Sin. C x Cosec. B
Sin. B	b, A, a	$\frac{b \times \text{Sin. A}}{a}$	- - -	- - -	- - - - -

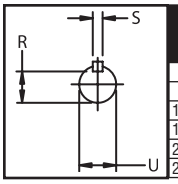
ENGINEERING/TECHNICAL

DODGE®

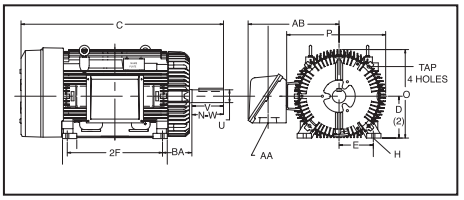
NEMA
QUICK REFERENCE CHART

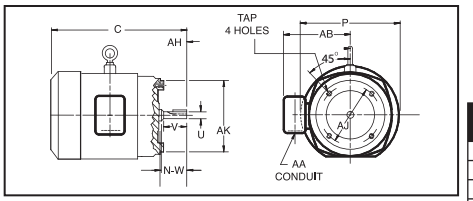
- Dimensions are for reference only
- Drawings represent standard TEFC general purpose motors

Contact your local DODGE/Reliance Sales Office at 1-864-284-5700 for "C" dimensions.



FRAME		NEMA SHAFT	KEYSEAT DIMENSIONS		FRAME		NEMA SHAFT	KEYSEAT DIMENSIONS	
		U	R	S			U	R	S
48	48	1/2	29/64	FLAT	284T	286T	1-7/8	1-19/32	1/2
56	56	5/8	33/64	3/16	324T	326T	2-1/8	1-27/32	1/2
143T	145T	7/8	49/64	3/16	364T	365T	2-3/8	2-1/64	5/8
182T	184T	1-1/8	63/64	1/4	404T	405T	2-7/8	2-29/64	3/4
213T	215T	1-3/8	1-13/64	5/16	444T	445T	3-3/8	2-7/8	7/8
254T	256T	1-5/8	1-13/32	3/8	447T	449T	3-3/8	2-7/8	7/8





NEMA C-FACE	BA Dimensions
143TC - 145TC	2-3/4
182TC - 184 TC	3-1/2
213TC - 215TC	4-1/4
254TC- 256TC	4-3/4

NEMA Frame	D	E	2F	H	N-W	O	P	U	Keyway	V	AA	AB	AH	AJ	AK	BA	Tap Size
48	3	2-1/8	2-3/4	11/32 SLOT	1-1/2	5-13/16	5-5/8	1/2		1-1/2	1/2	-	1-11/16	3-3/4	3	2-1/2	1/4-20
56	3-1/2	2-7/16	3	11/32	1-7/8	8-9/16	7-9/32	5/8	3/16x3/32	1-7/8	1/2	-	2-1/16	5-7/8	4-1/4	2-3/4	3/8-16
56H	3-1/2	2-7/16	5	SLOT	1-7/8	8-9/16	7-9/32	5/8	3/16x3/32	1-7/8	1/2	-	2-1/16	5-7/8	4-1/2	2-3/4	3/8-16
143T	3-1/2	2-7/16	4	11/32	2-1/4	8-9/16	7-9/32	7/8	3/16x3/32	2-1/4	3/4	-	2-1/8	5-7/8	4-1/2	2-1/4	3/8-16
145T	3-1/2	2-3/4	5	11/32	2-1/4	8-9/16	7-9/32	7/8	3/16x3/32	2-1/4	3/4	-	2-1/8	5-7/8	4-1/2	2-1/4	3/8-16
182	4-1/2	3-3/4	4-1/2	13/32	2-1/4	9-7/8	9-1/4	7/8	3/16x3/32	2-1/4	3/4	8-7/16	2-1/8	5-7/8	4-1/2	2-3/4	3/8-16
184	4-1/2	3-3/4	5-1/2	13/32	2-1/4	9-7/8	9-1/4	7/8	3/16x3/32	2-1/4	3/4	8-7/16	2-1/8	5-7/8	4-1/2	2-3/4	3/8-16
182T	4-1/2	3-3/4	4-1/2	13/32	2-3/4	9-7/8	9-1/4	1-1/8	1/4x1/8	2-3/4	3/4	7-13/16	2-5/8	7-1/4	8-1/2	2-3/4	1/2-13
184T	4-1/2	3-3/4	5-1/2	13/32	2-3/4	9-7/8	9-1/4	1-1/8	1/4x1/8	2-3/4	3/4	7-13/16	2-5/8	7-1/4	8-1/2	2-3/4	1/2-13
213	5-1/4	4-1/4	5-1/2	13/32	3	11-1/4	10-1/2	1-1/8	1/4x1/8	3	1	9-5/16	2-3/4	7-1/4	8-1/2	3-1/2	1/2-13
215	5-1/4	4-1/4	7	13/32	3	11-1/4	10-1/2	1-1/8	1/4x1/8	3	1	9-5/16	2-3/4	7-1/4	8-1/2	3-1/2	1/2-13
213T	5-1/4	4-1/4	5-1/2	13/32	3-3/8	11-1/4	10-1/2	1-3/8	5/16x5/32	3-3/8	1	8-11/16	3-1/8	7-1/4	8-1/2	3-1/2	1/2-13
215T	5-1/4	4-1/4	7	13/32	3-3/8	11-1/4	10-1/2	1-3/8	5/16x5/32	3-3/8	1	8-11/16	3-1/8	7-1/4	8-1/2	3-1/2	1/2-13
254U	6-1/4	5	8-1/4	17/32	3-3/4	13-1/4	13-1/4	1-3/8	5/16x5/32	3-3/4	1-1/4	10-13/16	3-1/2	7-1/4	8-1/2	4-1/4	1/2-13
256U	6-1/4	5	10	17/32	3-3/4	13-1/4	13-1/4	1-3/8	5/16x5/32	3-3/4	1-1/4	10-13/16	3-1/2	7-1/4	8-1/2	4-1/4	1/2-13
254T	6-1/4	5	8-1/4	17/32	4	13-1/4	13-1/4	1-5/8	3/8x3/16	4	1-1/4	10-3/4	3-3/4	7-1/4	8-1/2	4-1/4	1/2-13
256T	6-1/4	5	10	17/32	4	13-1/4	13-1/4	1-5/8	3/8x3/16	4	1-1/4	10-3/4	3-3/4	7-1/4	8-1/2	4-1/4	1/2-13
284U	7	5-1/2	9-1/2	17/32	4-7/8	14-3/4	14-7/8	1-5/8	3/8x3/16	4-7/8	1-1/2	12-5/8	4-5/8	9	10-1/2	4-3/4	1/2-13
286U	7	5-1/2	11	17/32	4-7/8	14-3/4	14-7/8	1-5/8	3/8x3/16	4-7/8	1-1/2	12-5/8	4-5/8	9	10-1/2	4-3/4	1/2-13
284T	7	5-1/2	9-1/2	17/32	4-5/8	14-3/4	14-7/8	1-7/8	1/2x1/4	4-5/8	1-1/2	12-3/4	4-3/8	9	10-1/2	4-3/4	1/2-13
286T	7	5-1/2	11	17/32	4-5/8	14-3/4	14-7/8	1-7/8	1/2x1/4	4-5/8	1-1/2	12-3/4	4-3/8	9	10-1/2	4-3/4	1/2-13
284TS	7	5-1/2	9-1/2	17/32	3-1/4	14-3/4	14-7/8	1-5/8	3/8x3/16	3-1/4	1-1/2	12-3/4	3	9	10-1/2	4-3/4	1/2-13
286TS	7	5-1/2	11	17/32	3-1/4	14-3/4	14-7/8	1-5/8	3/8x3/16	3-1/4	1-1/2	12-3/4	3	9	10-1/2	4-3/4	1/2-13
324U	8	6-1/4	10-1/2	21/32	5-5/8	16-11/16	17	1-7/8	1/2x1/4	5-5/8	2	15-7/16	5-3/8	11	12-1/2	5-1/4	5/8-11
326U	8	6-1/4	12	21/32	5-5/8	16-11/16	17	1-7/8	1/2x1/4	5-5/8	2	15-7/16	5-3/8	11	12-1/2	5-1/4	5/8-11
324T	8	6-1/4	10-1/2	21/32	5-1/4	16-11/16	17	2-1/8	1/2x1/4	5-1/4	2	15-3/16	5	11	12-1/2	5-1/4	5/8-11
326T	8	6-1/4	12	21/32	5-1/4	16-11/16	17	2-1/8	1/2x1/4	5-1/4	2	15-3/16	5	11	12-1/2	5-1/4	5/8-11
324TS	8	6-1/4	10-1/2	21/32	3-3/4	16-11/16	17	1-7/8	1/2x1/4	3-3/4	2	15-3/16	3-1/2	11	12-1/2	5-1/4	5/8-11
326TS	8	6-1/4	12	21/32	3-3/4	16-11/16	17	1-7/8	1/2x1/4	3-3/4	2	15-3/16	3-1/2	11	12-1/2	5-1/4	5/8-11
364U	9	7	11-1/4	21/32	6-3/8	18-1/2	19-1/2	2-1/8	1/2x1/4	6-3/8	2-1/2	18	6-1/8	11	12-1/2	5-7/8	5/8-11
365U	9	7	12-1/4	21/32	6-3/8	18-1/2	19-1/2	2-1/8	1/2x1/4	6-3/8	2-1/2	18	6-1/8	11	12-1/2	5-7/8	5/8-11
364T	9	7	11-1/4	21/32	5-7/8	18-1/2	19-1/2	2-3/8	5/8x5/16	5-7/8	2-1/2	18-1/16	5-5/8	11	12-1/2	5-7/8	5/8-11
365T	9	7	12-1/4	21/32	5-7/8	18-1/2	19-1/2	2-3/8	5/8x5/16	5-7/8	2-1/2	18-1/16	5-5/8	11	12-1/2	5-7/8	5/8-11
364TS	9	7	11-1/4	21/32	3-3/4	18-1/2	19-1/2	1-7/8	1/2x1/4	3-3/4	2-1/2	18-1/16	3-1/2	11	12-1/2	5-7/8	5/8-11
365TS	9	7	12-1/4	21/32	3-3/4	18-1/2	19-1/2	1-7/8	1/2x1/4	3-3/4	2-1/2	18-1/16	3-1/2	11	12-1/2	5-7/8	5/8-11
404U	10	8	12-1/4	13/16	7-1/8	21-5/16	22-1/2	2-3/8	5/8x5/16	7-1/8	3	19-1/4	6-7/8	11	12-1/2	6-5/8	5/8-11
405U	10	8	13-3/4	13/16	7-1/8	21-5/16	22-1/2	2-3/8	5/8x5/16	7-1/8	3	19-1/4	6-7/8	11	12-1/2	6-5/8	5/8-11
404T	10	8	12-1/4	13/16	7-1/4	21-5/16	22-1/2	2-7/8	3/4x3/8	7-1/4	3	19-5/16	7	11	12-1/2	6-5/8	5/8-11
405T	10	8	13-3/4	13/16	7-1/4	21-5/16	22-1/2	2-7/8	3/4x3/8	7-1/4	3	19-5/16	7	11	12-1/2	6-5/8	5/8-11
404TS	10	8	12-1/4	13/16	4-1/4	21-5/16	22-1/2	2-1/8	1/2x1/4	4-1/4	3	19-5/16	4	11	12-1/2	6-5/8	5/8-11
405TS	10	8	13-3/4	13/16	4-1/4	21-5/16	22-1/2	2-1/8	1/2x1/4	4-1/4	3	19-5/16	4	11	12-1/2	6-5/8	5/8-11
444U	11	9	14-1/2	13/16	8-5/8	23-3/8	25-1/4	2-7/8	3/4x3/8	8-5/8	3	22-3/16	8-3/8	14	16	7-1/2	5/8-11
445U	11	9	16-1/2	13/16	8-5/8	23-3/8	25-1/4	2-7/8	3/4x3/8	8-5/8	3	22-3/16	8-3/8	14	16	7-1/2	5/8-11
444T	11	9	14-1/2	13/16	8-1/2	23-3/8	25-1/4	3-3/8	7/8x7/16	8-1/2	3	23-3/8	8-1/4	14	16	7-1/2	5/8-11
445T	11	9	16-1/2	13/16	8-1/2	23-3/8	25-1/4	3-3/8	7/8x7/16	8-1/2	3	23-3/8	8-1/4	14	16	7-1/2	5/8-11
447T	11	9	20	13/16	8-1/2	23-5/8	26	3-3/8	7/8x7/16	8-1/2	3	23-7/8	8-1/4	14	16	7-1/2	5/8-11
449T	11	9	25	13/16	8-1/2	23-5/8	26	3-3/8	7/8x7/16	8-1/2	3	23-7/8	8-1/4	14	16	7-1/2	5/8-11
444TS	11	9	14-1/2	13/16	4-3/4	23-3/8	25-1/4	2-3/8	5/8x5/16	4-3/4	3	23-3/8	4-1/2	14	16	7-1/2	5/8-11
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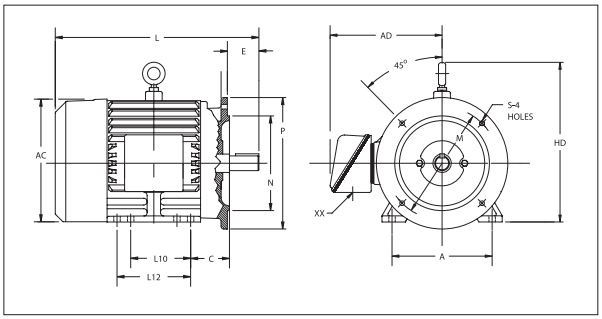
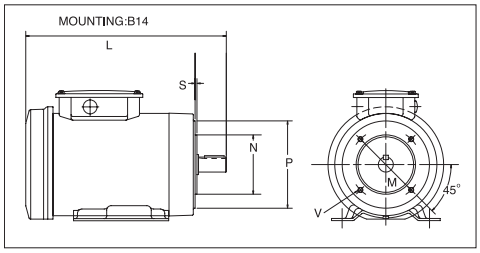
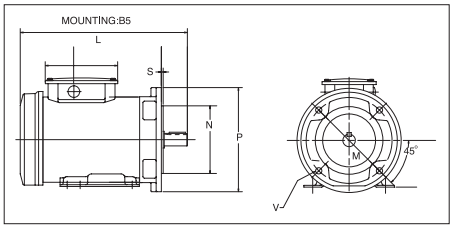
IEC QUICK REFERENCE CHART

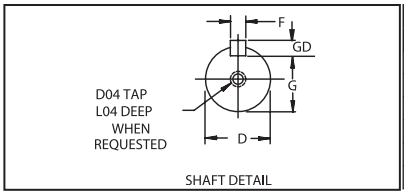
- Dimensions are for reference only
- Drawings represent standard TEFC general purpose motors

Contact your local DODGE/Reliance Sales Office at 1-864-284-5700 for "C" dimensions.









KEY AND KEYSEAT DIMENSIONS									
FRAME	D	G	F	GD	FRAME	D	G	F	GD
71	14	11	5	5	160	37	42	12	8
80	19	15.5	6	6	180	48	42.5	14	9
90	24	20	8	7	200	55	49	16	10
100	28	24	8	7	225	60	53	18	11
112	28	24	8	7	250	70	67.5	20	12
132	38	33	10	8	280	80	71	22	14

Frame	B3 RIGID BASE					SHAFT		B5 FLANGE					B14 FACE					GENERAL		
	A	L10	L12	HD	C	E	D	N	M	P	S	V	N	M	P	S	V	AC	AD	XX
71	–	–	–	–	–	–	–	110	130	160	"3,5"	"9,5"	70	85	105	2.5	M6	143	–	13
80	125	100	–	188	50	40	19	130	165	200	"3,5"	"11,5"	80	100	120	3	M6	143	–	13
90	140	100	125	208	56	50	24	130	165	200	"3,5"	"11,5"	95	115	140	3	M8	163	–	13
100	160	112	140	229	63	60	28	180	215	250	4	14	110	130	160	3.5	M8	175	–	19
112S	190	114	–	301.8	71.4	60	28	180	215	250	4	14	110	130	160	3.5	M8	243	210	32
112M	190	–	140	301.8	71.4	60	28	180	215	250	4	14	110	130	160	3.5	M8	243	210	32
132S	216	140	–	336.6	88.9	80	38	230	265	300	4	14	130	165	200	3.5	M8	286	243	32
132M	216	–	178	336.6	88.9	80	38	230	265	300	4	14	130	165	200	3.5	M8	286	243	32
160M	254	210	–	399	108	110	42	250	300	350	5	18	180	215	250	4	M12	324	320	40
160L	254	–	254	399	108	110	42	250	300	350	5	18	180	215	250	4	M12	324	320	40
180M	279	241	–	436	121	110	48	250	300	350	5	18	398	355	40			398	355	40
180L	279	–	279	436	121	110	48	250	300	350	5	18	398	355	40			398	355	40
200M	318	267	–	486	133	110	55	300	350	400	5	18	442	445	50			442	445	50
200L	318	–	305	486	133	110	55	300	350	400	5	18	442	445	50			442	445	50
225S	356	286	–	545	149	140	60	350	400	450	5	18	490	470	50			490	470	50
225M	356	–	311	545	149	140	60	350	400	450	5	18	490	470	50			490	470	50
250S	406	311	–	616	168	140	65											600	510	63
250M	406	–	349	616	168	140	65											600	535	63
280S	457	368	-	677	190	140	75			LEGEND								650	535	63
280M	457	-	419	677	190	140	75			Metric Dimensions in MM								650	535	63
280K	457	500	-	677	190	140	75			1 mm = .03937"								650	535	63
280H	457	630	-	677	190	140	75											650	535	63
L280H	457	635	-	677	202	205	75											650	535	63

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