

■ WITHOUT BEARING

■ URETHANE SURFACE

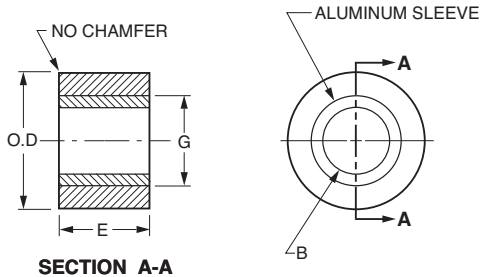


Fig. 1 (WITHOUT CHAMFER)

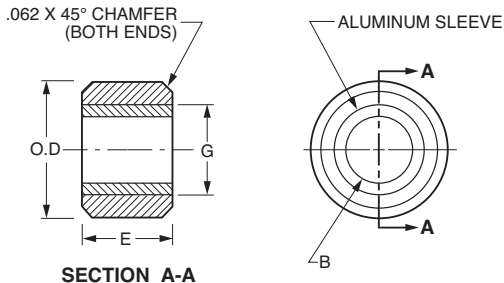


Fig. 2 (WITH CHAMFER)

MATERIAL: Roller – Urethane 60 Durometer
Ground Outside Diameter
Sleeve – Aluminum

Catalog Number	Fig.	O.D. ±.003	B Bore +.0005 -.0000	E Face Width ±.010	G Sleeve O.D.
A 7M 5-UR05025A	1	.500	.2500	.250	.344
A 7M 5-UR05025B				.718	
A 7M 5-UR05025C				.500	
A 7M 5-UR06737				.250	
A 7M 5-UR07537	2	.813	.3750	.500	.500
A 7M 5-UR08137				.500	
A 7M 5-UR09237				.484	
A 7M 5-UR11237A				.438	
A 7M 5-UR11237B	1	1.125	.3750	.688	.500
A 7M 5-UR19837				.688	
A 7M 5-UR19850A				.750	
A 7M 5-UR19850B				1.000	

NEW

SDPSI

Metric Metric Metric Metric Metric

Feed Rollers

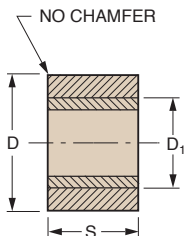
Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

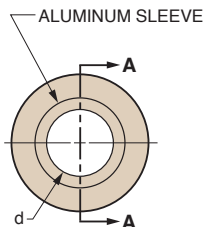
Fax: 516-326-8827

■ WITHOUT BEARING

■ URETHANE SURFACE



SECTION A-A

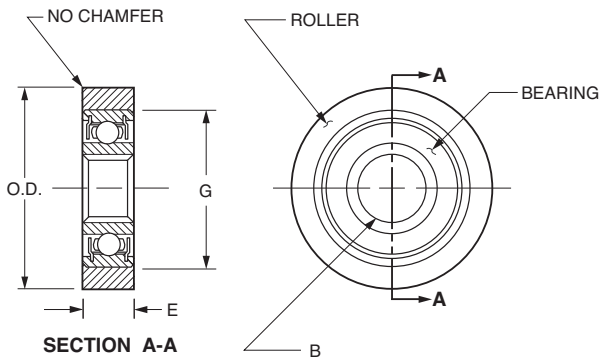


MATERIAL: Roller – Urethane 60 Durometer
Ground Outside Diameter
Sleeve – Aluminum

Catalog Number	D ±0.075	d Bore +0.013	S Face Width ± 0.25	D ₁ Sleeve O.D.
A 7M 5MUR1206A	12	6	6.35	8.74
A 7M 5MUR1206B			18.2	
A 7M 5MUR1206C			12.7	
A 7M 5MUR1710	17	10	6.35	12.7
A 7M 5MUR1910	19		12.7	
A 7M 5MUR2010	20		12.7	
A 7M 5MUR2310	23		12.3	17.47
A 7M 5MUR2810A	28		11.12	12.7
A 7M 5MUR2810B			17.47	
A 7M 5MUR5010	50		17.47	34.92
A 7M 5MUR5012A	50	12	19.05	34.92
A 7M 5MUR5012B			25.4	

NEW**SDPSI**

Inch Inch Inch Inch Inch Inch Inch

Idler Rollers**Stock Drive Products/Sterling Instrument****Phone: 516-326-3300****Fax: 516-326-8827****■ WITH DOUBLE-SHIELDED ABEC 3 BEARING****■ URETHANE SURFACE**

MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter

Bearing, Double-Shielded - Stainless Steel

Catalog Number	O.D. ± .003	B Bore + .0000 - .0002	E Face Width ± .010	G
A 7Z 8-URBB05018	.500	.1875	.125	.375
A 7Z 8-URBB07518	.750			
A 7Z 8-URBB06225	.625	.2500	.187	.500
A 7Z 8-URBB07525	.750			
A 7Z 8-URBB11237	1.125	.3750	.281	.875
A 7Z 8-URBB15037	1.500			
A 7Z 8-URBB11250	1.125	.5000	.281	.875
A 7Z 8-URBB15050	1.500			

NEW**SDPS/ST**

Metric Metric Metric Metric Metric

Idler Rollers

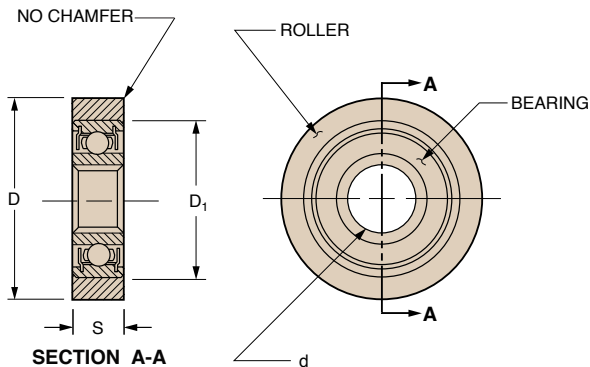
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Fax: 516-326-8827

■ WITH DOUBLE-SHIELDED ABEC 3 BEARING

■ URETHANE SURFACE



MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter

Bearing, Double-Shielded - Stainless Steel

Catalog Number	D ± 0.075	d Bore - 0.005	S Face Width ± 0.25	D ₁
A 7Z 8MURBB1205	12	5	3	9
A 7Z 8MURBB1905	19			
A 7Z 8MURBB1606	16	6	5	13
A 7Z 8MURBB1906	19			
A 7Z 8MURBB2810	28	10	7	19
A 7Z 8MURBB3810	38			
A 7Z 8MURBB3812	38	12	8	28
A 7Z 8MURBB4412	44			

NEW

SDPS

Inch Inch Inch Inch Inch Inch Inch

Feed Rollers

Stock Drive Products/Sterling Instrument

Phone: 516-326-3300

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■ WITHOUT BEARING

■ URETHANE SURFACE

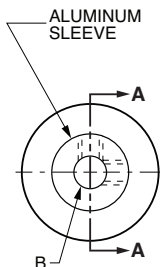
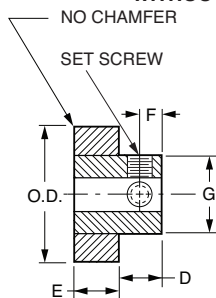


Fig. 1



SECTION A-A

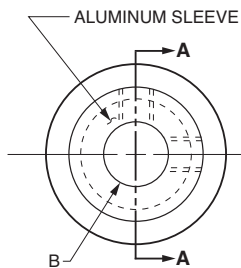
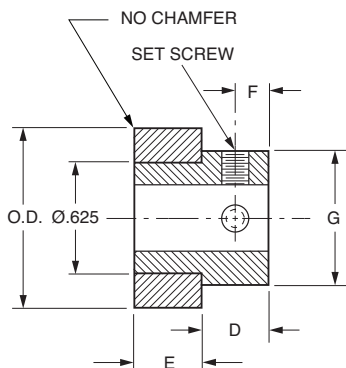


Fig. 2

SECTION A-A

MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter
Sleeve - Aluminum

Catalog Number	Fig.	O.D. ± .003	B Bore + .0005 - .0000	E Face Width ± .010	D Hub Proj.	F	G Sleeve O.D.	Set Screw
A 7T 5-UR05618	1	.562	.1875	.250	.250	.125	.437	#4-40
A 7T 5-UR07518		.750						
A 7T 5-UR06225		.625						
A 7T 5-UR07525		.750						
A 7T 5-UR08725		.875						
A 7T 5-UR10037	2	1.000	.3750	.375	.375	.187	.750	#10-32
A 7T 5-UR12537	1	1.250	.3750	.375	.375	.187	.812	#10-32
A 7T 5-UR15037		1.500					1.000	
A 7T 5-UR15050		1.500					1.000	
A 7T 5-UR17550		1.750					1.250	
A 7T 5-UR20050		2.000					1.375	

NOTE: All feed rollers supplied with 2 set screws.

■ WITHOUT BEARING

■ URETHANE SURFACE

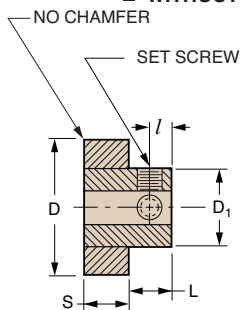
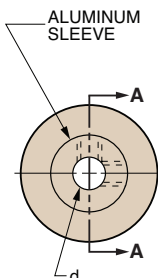


Fig. 1



SECTION A-A

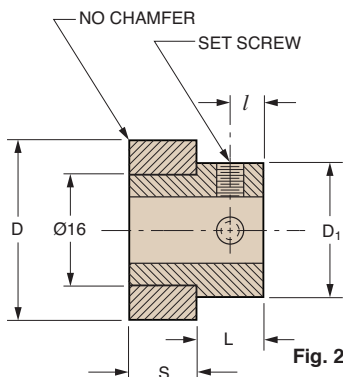
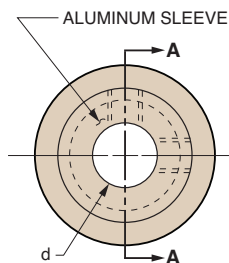


Fig. 2



SECTION A-A

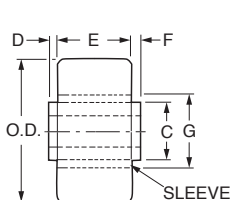
MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter
Sleeve - Aluminum

Catalog Number	Fig.	D ±0.075	d Bore +0.0127	S Face Width ± 0.25	L Hub Proj.	l	D ₁ Sleeve O.D.	Set Screw
A 7T 5MUR1405	1	14	5	6.35	6.35	3.17	11.1	M3
A 7T 5MUR1905		19						
A 7T 5MUR1606		16						
A 7T 5MUR1906		19						
A 7T 5MUR2206	2	22	6	9.52	6.35	3.17	12.7	M4
A 7T 5MUR2510		25						
A 7T 5MUR3210		32						
A 7T 5MUR3810		38						
A 7T 5MUR3812	1	38	10	9.52	9.52	4.76	20.62	M5
A 7T 5MUR4412		44					25.4	
A 7T 5MUR4412		44					25.4	
A 7T 5MUR5012		50					31.75	
							34.9	M6

NOTE: All feed rollers supplied with 2 set screws.

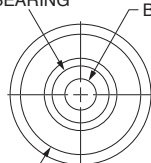
■ WITH SINTERED BRONZE BEARING

■ NEOPRENE OR URETHANE SURFACE

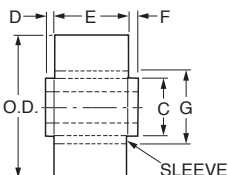
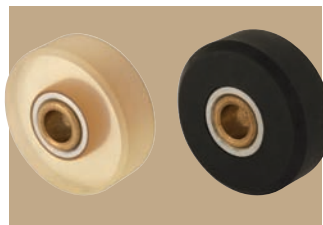


**Fig. 1
(WITH CHAMFER)**

SINTERED BRONZE BEARING

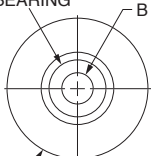


NEOPRENE OR URETHANE VULCANIZED TO SLEEVE



**Fig. 2
(WITHOUT CHAMFER)**

SINTERED BRONZE BEARING



URETHANE VULCANIZED TO SLEEVE

MATERIAL: Roller – Neoprene or Urethane 60 Durometer
Ground Outside Diameter

Sleeve – Aluminum

Bearing – Sintered Bronze

Catalog Number				O.D.	B Bore +.0015 -.0000	E Width ± .010	C	G	D	F
Neoprene	Fig.	Urethane ^Δ	Fig.							
A 7Z 5-IR0512	1	A 7Z 5-UR0512	2	1/2	1/8	23/32	1/4	11/32	1/32	1/32
A 7Z 5-IR0625		A 7Z 5-UR0625		43/64	1/4	1/4	3/8	1/2	—	—
A 7Z 5-IR0718		A 7Z 5-UR0718		3/4	3/16	1/2	3/8	1/2	1/32	—
A 7Z 5-IR0721		A 7Z 5-UR0721	1		7/32		7/16		1/64	1/64
A 7Z 5-IR0825		A 7Z 5-UR0825		13/16	1/4	1/2	3/8	1/2	1/64	1/64
A 7Z 5-IR0925		A 7Z 5-UR0925	2	59/64	1/4	31/64	3/8	11/16	1/64	3/32
A 7Z 5-IR1015		A 7Z 5-UR1015		1-3/32	5/32	9/16	25/64	1/2	1/32	1/32
A 7Z 5-IR1125		A 7Z 5-UR1125		1-1/8	1/4	7/16	3/8	1/2	1/32	—
A 7Z 5-IR1125W		A 7Z 5-UR1125W				11/16				1/32
*A 7Z 5-IR1937		*A 7Z 5-UR1937		1.988	—	.687	3/8	1-3/8	—	—

*Supplied less bearing.

^ΔUrethane Idler Rollers will be supplied with chamfer until present stock is depleted. After depletion, they will be sold without chamfer except for catalog number A 7Z 5-UR0825.

Did You Know?

That by viewing our "home page" on the INTERNET

<http://www.sdp-si.com> you can obtain additional literature.

NEW

SDPSI

Metric Metric Metric Metric Metric

Idler Rollers

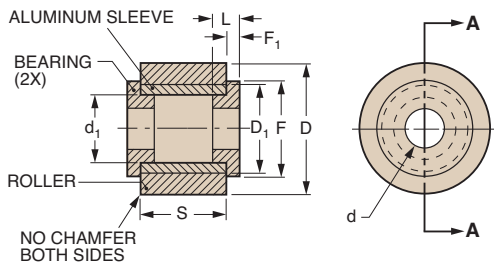
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■ WITH SINTERED BRONZE BEARING

■ URETHANE SURFACE

**SECTION A-A**

MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter

Sleeve - Aluminum Alloy

Bearing - Sintered Bronze

Catalog Number	D O.D.	d Bore +0.038	S Face Width ±0.25	L Bearing Length	F Flange Dia.	F ₁ Flange Thick- ness	d ₁ Sleeve I.D.	D ₁ Sleeve O.D.
A 7Z 5MUR1203A	12	3	6.35	4	9	1.5	6	8.74
A 7Z 5MUR1203B			18.2					
A 7Z 5MUR1203C			12.7					
A 7Z 5MUR1706	17	6	6.35	4	14	2	10	12.7
A 7Z 5MUR1906	19		12.7					
A 7Z 5MUR2006	20		12.7					
A 7Z 5MUR2306	23		12.3					17.47
A 7Z 5MUR2806A	28		11.12					12.7
A 7Z 5MUR2806B			17.47					34.92
A 7Z 5MUR5006	50	8	19.05	8	16	3	12	34.92
A 7Z 5MUR5008A	50		25.4					
A 7Z 5MUR5008B								

NEW

SDPSI

Inch Inch Inch Inch Inch Inch Inch

Idler Rollers

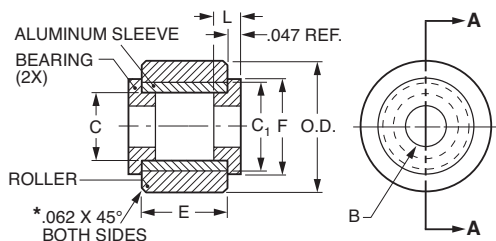
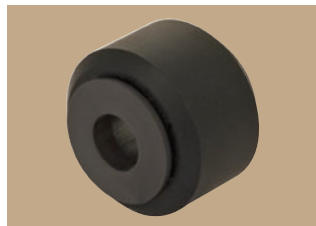
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■ WITH POLYMER BEARING

■ NEOPRENE SURFACE

**SECTION A-A**

MATERIAL: Roller - Neoprene 60 Durometer, Black
Ground Outside Diameter

Sleeve - Aluminum Alloy

Bearing - M250® Polymer

Catalog Number	O.D.	B Bore	E Face Width ±.010	L Bearing Length	F Flange Dia.	C Sleeve I.D.	C ₁ Sleeve O.D.
A 7ZB5-IRG05025B	.500	.1250 ^{+.0030} / _{+.0012}	.718	.1875	.360	.250	.344
*A 7ZB5-IRG06737	.672	.2500 ^{+.0039} / _{+.0016}	.250	.1250	.560	.375	.500
A 7ZB5-IRG07537	.750		.500				
A 7ZB5-IRG08137	.813		.500				
A 7ZB5-IRG09237	.922		.484				.688
A 7ZB5-IRG11237A	1.125		.438				.500
A 7ZB5-IRG11237B	1.125		.688				.500
A 7ZB5-IRG19837	1.988		.688				1.375

*Catalog number A 7ZB5-IRG06737 has .010 x 45° chamfer on both sides.

NEW

SDPSI

Inch Inch Inch Inch Inch Inch Inch

Idler Rollers

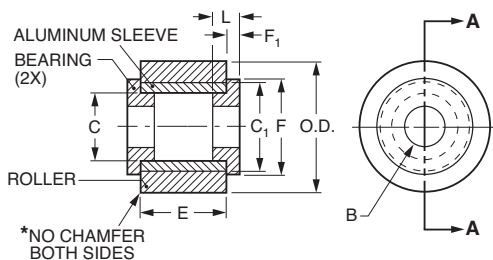
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■ WITH POLYMER BEARING

■ URETHANE SURFACE

**SECTION A-A**

MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter

Sleeve - Aluminum Alloy

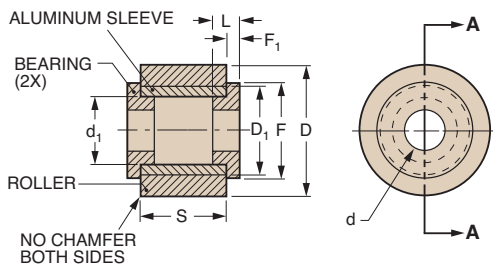
Bearing - M250® Polymer

Catalog Number	O.D.	B Bore	E Face Width ±.010	L Bearing Length	F Flange Dia.	F ₁ Flange Thick-ness Ref.	C Sleeve I.D.	C ₁ Sleeve O.D.
A 7ZB5-URG05025A	.500	.1250 ^{+0.0030} / _{+0.0012}	.250	.1250	.360	.047	.250	.344
A 7ZB5-URG05025B			.718	.1875				
A 7ZB5-URG05025C			.500	.1250				
A 7ZB5-URG06737	.672	.2500 ^{+0.0039} / _{+0.0016}	.250	.1250	.560	.047	.375	.500
A 7ZB5-URG07537	.750		.500					
*A 7ZB5-URG08137	.813		.500					
A 7ZB5-URG09237	.922		.484					.688
A 7ZB5-URG11237A	1.125		.438					.500
A 7ZB5-URG11237B			.688					
A 7ZB5-URG19837	1.988		.688	.1250	.625	.062	.375	1.375
A 7ZB5-URG19850A	1.988	.3750 ^{+0.0039} / _{+0.0016}	.750	.1875	.625	.062	.625	1.375
A 7ZB5-URG19850B			1.000					

*Catalog number A 7ZB5-URG08137 has .062 x 45° chamfer on both sides.

■ WITH POLYMER BEARING

■ URETHANE SURFACE



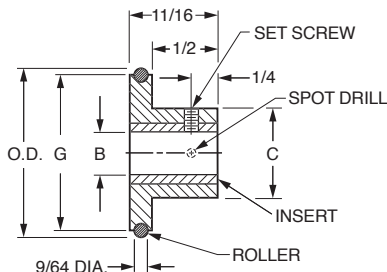
MATERIAL: Roller - Urethane 60 Durometer
Ground Outside Diameter

Sleeve - Aluminum Alloy

Bearing - M250® Polymer

Catalog Number	D O.D.	d Bore	S Face Width ±0.25	L Bearing Length	F Flange Dia.	F ₁ Flange Thick- ness Ref.	d ₁ Sleeve I.D.	D ₁ Sleeve O.D.
A 7ZB5MURG1203A	12	3 ^{+0.080} _{+0.020}	6.35	4	9	1.5	6	8.74
A 7ZB5MURG1203B			18.2					
A 7ZB5MURG1203C			12.7					
A 7ZB5MURG1706	17	6 ^{+0.105} _{+0.030}	6.35	4	14	2	10	12.7
A 7ZB5MURG1906	19		12.7					
A 7ZB5MURG2006	20		12.7					
A 7ZB5MURG2306	23		12.3					17.47
A 7ZB5MURG2806A	28		11.12					12.7
A 7ZB5MURG2806B			17.47					
A 7ZB5MURG5006	50	17.47	4	16	3	10	34.92	
A 7ZB5MURG5008A	50	8 ^{+0.120} _{+0.040}	19.05	8	16	3	12	34.92
A 7ZB5MURG5008B			25.4					

■ 3/16 FACE



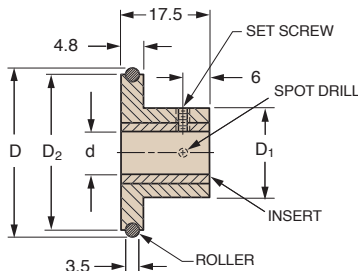
MATERIAL: Body – Acetal
Insert – Brass
Roller – Buna "N", 70 Durometer

Catalog Number	O.D.	B Bore +.001 -.000	C Hub Diameter	G Diameter	O-Ring Roller Ref.	Set Screw
A 6Z10-1340404	5/8	.125	5/8	.500	203	#4-40
A 6Z10-1340604	7/8			.750	207	
A 6Z10-1341004	1-1/8		1.000	211		
A 6Z10-1341404	1-5/8		1.500	219		
A 6Z10-1342004	2-1/8		2.000	224		
A 6Z10-1340406	5/8	.1875	5/8	.500	203	#4-40
A 6Z10-1340606	7/8			.750	207	
A 6Z10-1341006	1-1/8		1.000	211		
A 6Z10-1341406	1-5/8		1.500	219		
A 6Z10-1342006	2-1/8		2.000	224		
A 6Z10-1340608	7/8	.250	5/8	.750	207	#6-32
A 6Z10-1341008	1-1/8			1.000	211	
A 6Z10-1341408	1-5/8		1.500	219		
A 6Z10-1342008	2-1/8		2.000	224		
A 6Z10-1342408	2-5/8		2.500	228		

REPLACEMENT O-RING

O-Ring Roller Ref.	Catalog Number	Diameter	I.D.
203	A 6R11-040025	1/8	5/16
207	A 6R11-040045		9/16
211	A 6R11-040065		13/16
219	A 6R11-040125		1-5/16
224	A 6R11-04016		1-3/4
228	A 6R11-04022		2-1/4

■ 4.8 mm FACE



MATERIAL: Body – Acetal
Insert – Brass
Roller – Buna "N", 70 Durometer

Catalog Number	D	d Bore +0.025	D ₁ Hub Diameter	D ₂ Diameter	Set Screw
A 6Z10M131304	15.9	4	16	12.7	M3
A 6Z10M131904	22.3			19.1	
A 6Z10M132504	28.6			25.4	
A 6Z10M133804	41.3	6	19	38.1	M3
A 6Z10M135104	54			50.8	
A 6Z10M131306	15.9			12.7	
A 6Z10M131906	22.3	8	16	19.1	M3
A 6Z10M132506	28.6			25.4	
A 6Z10M133806	41.3			38.1	
A 6Z10M135106	54	8	25	50.8	M3
A 6Z10M131908	22.3			16	
A 6Z10M132508	28.6			25.4	
A 6Z10M135108	54	8	25	50.8	M4

Did You Know?

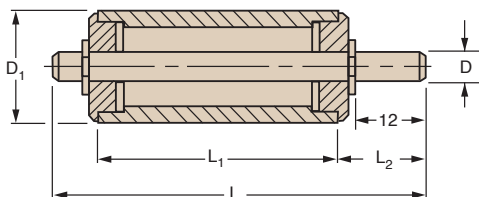
We have a staff of experienced engineers who will gladly assist you with your design problems. Call between (9 AM and 5 PM E.S.T.) or fax anytime.

TEL: 516-328-3300

FAX: 516-328-9029

■ STAINLESS STEEL HOUSING

■ SINTERED BRONZE BEARINGS



MATERIAL: Shaft – 303 Stainless Steel

Housing – 300 Series Stainless Steel

Bearings – Sintered Bronze

Catalog Number	L	L ₁	L ₂	D* g6	D ₁	Clearance Dia.
ΔS7AYPAM32120510	32	12	14.3	5	10	10.2
S7AYPAM32120512					12	12
ΔS7AYPAM32120612			15	6	12	14
S7AYPAM32120618					18	18
ΔS7AYPAM50250510	50	25	14.3	5	10	10.2
S7AYPAM50250512					12	12
S7AYPAM50250515					15	15
S7AYPAM50250618			15	6	18	18
S7AYPAM50250818			16.2	8	18	18
S7AYPAM50250820			16.2	8	20	20

*Idlers with 5 and 6 dia. shaft have a tolerance of - 0.004, - 0.012

8 dia. shaft have a tolerance of - 0.005, - 0.014

ΔRetaining ring clearance diameter or bronze bearing flange diameter is larger than diameter "D₁".

Did You Know?

Many special requirements can be met with standard tooling — with merely a nominal surcharge.

If your design calls for a modified part...send us your print!



Inch Inch Inch Inch Inch Inch Inch Inch Inch

Low Cost Idlers

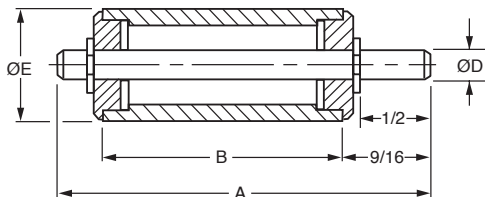
Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

Fax: 516-326-8827

■ STAINLESS STEEL HOUSING

■ SINTERED BRONZE BEARINGS



MATERIAL: Shaft – 303 Stainless Steel
Housing – 303 Stainless Steel
Bearings – Sintered Bronze

Catalog Number	A	B	D Shaft Diameter +.0000 -.0002	E
*S7AYPA-05020303	1.25	.500	.1872	3/8
S7AYPA-05020304			.1872	1/2
S7AYPA-05020404			.2497	1/2
S7AYPA-05020406	1.75	1.000	.1872	3/4
S7AYPA-07040304			.1872	1/2
S7AYPA-07040305			.1872	5/8
S7AYPA-07040406			.2497	3/4

*Retaining ring clearance diameter exceeds idler O.D.

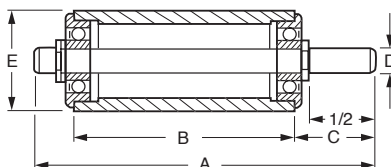
Other sizes available on special order.

Did You Know?

Many special requirements can be met with standard tooling — with merely a nominal surcharge.

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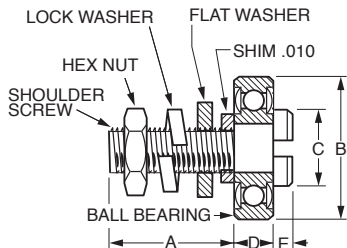
■ ALL STAINLESS CONSTRUCTION



MATERIAL: Shaft – 303 Stainless Steel
Housing – 300 Series Stainless Steel
Bearings – 440C Stainless Steel

Catalog Number	Dimensions					
	A	B	C	D Shaft Diameter +.0000 -.0002	E	
A 7Y 5-IS3118 A 7Y 5-IS3718 A 7Y 5-IS5018	1.25	.500	9/16	.1872	3/8 1/2 5/8	
A 7Y 5-IS3725 A 7Y 5-IS5025 A 7Y 5-IS6225				.2497	1/2 5/8 3/4	
A 7Y 5-IL3118 A 7Y 5-IL3718 A 7Y 5-IL5018					.1872	3/8 1/2 5/8
A 7Y 5-IL3725 A 7Y 5-IL5025 A 7Y 5-IL6225						.2497

SHALLOW HEAD

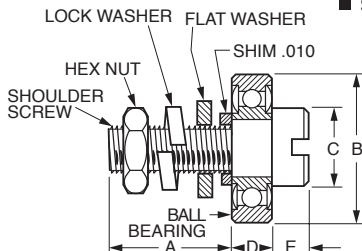


MATERIAL: 303 Stainless Steel

BEARING: 440C or DD Stainless, ABEC 3, Double Shield

Catalog Number	Dimensions					Thread
	A	B	C	D	E	
A 7Y 5-CF3109A	15/64	.3125		.1406		#2-56
A 7Y 5-CF2512	9/32	.2500	3/16	.1094		#4-40
A 7Y 5-CF3109B	15/64	.3125	7/32	.1406		#2-56
A 7Y 5-CF3712	5/16	.3750	1/4	.1562	1/16	#4-40
A 7Y 5-CF5018	27/64	.5000	5/16	.1960		#8-32
A 7Y 5-CF6225	1/2	.6250	3/8	.1960		#10-32
A 7Y 5-CF8737	43/64	.8750	9/16	.2812		1/4-20

STANDARD HEAD

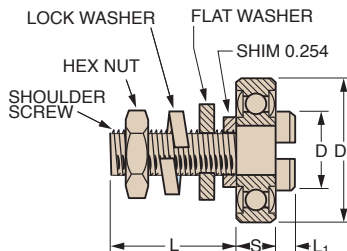


MATERIAL: 303 Stainless Steel

BEARING: 440C or DD Stainless, ABEC 3, Double Shield

Catalog Number	Dimensions					Thread
	A	B	C	D	E	
S9930A-CF-1		.2500	5/32	.1406	3/32	#1-64
S9930A-CF-2	1/4	.3125	3/16	.1406	3/32	#2-56
S9930A-CF-3		.2500	3/16	.1094	1/8	#4-40
S9930A-CF-4	5/16	.3125	7/32	.1406	1/8	#2-56
S9930A-CF-5		.375	1/4	.1562		#4-40
S9930A-CF-6	3/8	.500	5/16			#8-32
S9930A-CF-7	1/2	.625	3/8	.1960	5/32	#10-32

■ **SHALLOW HEAD**



MATERIAL: 303 Stainless Steel

BEARING: 440C Stainless, ABEC-3, Double Shield

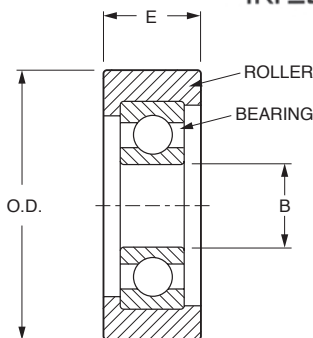
Catalog Number	Dimension					Thread
	L	D	D ₁	S	L ₁	
A 7Y 5MCF0803	6	5	8	4	1.5	M2x0.4
A 7Y 5MCF1004	8	6	10	4		M3x0.5
A 7Y 5MCF1304	8	6	13	5		M3x0.5
A 7Y 5MCF1306	12	8	13	5		M5x0.8
A 7Y 5MCF1608	16	10	16	5		M6x1.0

Did You Know?

... SDP/SI's computer system was designed with customer service in mind!

It provides instantaneous information on:

- Availability of inventory
- Status of customer orders
- Quantity pricing
- Allocation of materials
- Status of production releases

NEW**SDPSI***Inch Inch Inch Inch Inch Inch Inch***Rollers****Stock Drive Products/Sterling Instrument****Phone: 516-328-3300****Fax: 516-326-8827****■ WITH BEARING****■ NYLON SURFACE****■ FOR LOADS OF 50 TO 230 POUNDS****INTECH Power-Core™****MATERIAL: Roller** – Cast Nylon 12 (PA12G)**Bearing** – Ball bearing shielded on both sides

Catalog Number	O.D.	B Bore +.000 -.005	E Roller Width	Load Capacity lb.
S7NPCY-25081	.812		.274	50
S7NPCY-25100	1.000	.250	.390	90
S7NPCY-38131	1.312		.500	140
S7NPCY-38138	1.375	.375	.500	150
S7NPCY-50150	1.500		.438	160
S7NPCY-50200	2.000	.500	.500	230