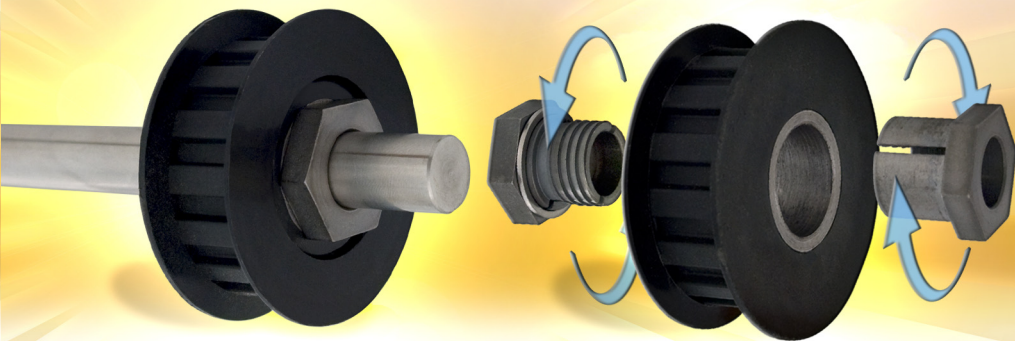


SDP/SI

Stock Drive Products/Sterling Instrument

Divisions of Designatronics, Inc.

CATALOG D160



Nonmarring to the shaft • Installs with standard tools • Reusable

A Patented Superior Way To Rotate Parts

SHAFTLOC®

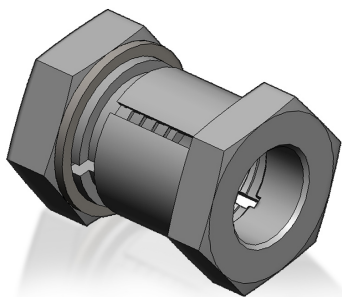


SHAFTLOC®

A Superior Way To Rotate Parts!

SPECIAL COMPONENTS TO BE USED WITH SHAFTLOC® FASTENERS WILL BE QUOTED AND MANUFACTURED ON REQUEST.

SHAFTLOC® DESIGN TYPES AND EXPLANATIONS	PG. 01
SINGLE-ENDED SHAFTLOC® SLEEVES.....	PG. 05
DOUBLE-ENDED SHAFTLOC® SLEEVES.....	PG. 07
A-TYPE SHAFTLOC®	PG. 08
M-TYPE SHAFTLOC®	PG. 10
SHAFTLOC® XL PULLEYS	PG. 12
SHAFTLOC® L PULLEYS	PG. 13
SHAFTLOC® HTD® PULLEYS [3 mm PITCH]	PG. 14
SHAFTLOC® HTD® PULLEYS [5 mm PITCH]	PG. 15



SDP/SI

Stock Drive Products/Sterling Instrument

ISO 9001:2000+AS9100B

REGISTERED

A SUPERIOR WAY TO FASTEN ROTATING COMPONENTS

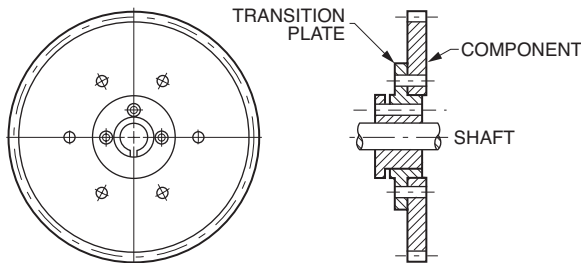
PATENTED

Excelling because of its simplicity, it contains all structural features in only two parts. This new development is the Shaftloc® – a patented device (United States Patent No. 5,067,846 and No. 6,000,875), – manufactured and marketed by Stock Drive Products. In order to highlight the simplicity and uniqueness of the Shaftloc® design, we will enumerate the previously known methods used for the fastening of rotating components:

The usefulness of wedges and inclined surfaces for the lifting of heavy loads has been well-known for centuries.

Similarly, the usefulness of tapered, conical surfaces has also been appreciated; in this case, for their ability to produce large forces.

An example of such an application is the use of a tapered cylindrical split bushing (see illustration) to fasten a rotating component to a shaft.



PREVIOUS METHOD

In this way, fastening of the component to the shaft is achieved. A disadvantage of this particular method is that the component must have a tapered bore.

A modification of this method, so that it can be used to fasten components with cylindrical bores, involves the use of a transition plate which contains a tapered bore.

Different designs have been developed to fasten a rotating component to a shaft.

FIG. 2 illustrates a device that consists of two split rings sandwiched between two solid rings that are connected by several bolts.

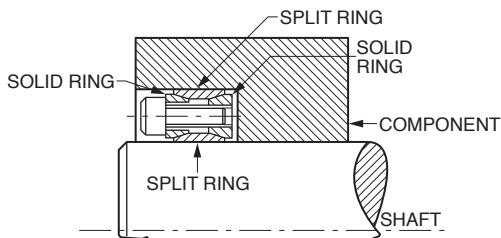


FIG. 2

Tightening of the bolts causes the split rings to contract or expand, producing large forces in the direction of both the component and the shaft. Fastening is achieved as a result.

FIG. 3 In another method that accomplishes the same purpose, a slotted inner sleeve and slotted outer sleeve are used. The inner threaded sleeve is moved axially when the nut around it is tightened.

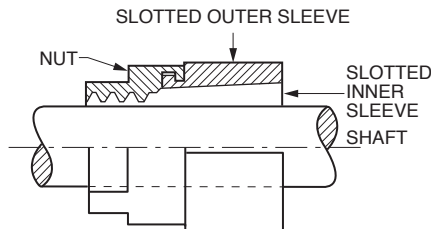


FIG. 3

The axial motion produces radial forces in both the direction of the component and the direction of the shaft (see FIG. 3). This method is often used to fasten smaller components.

Another design, like the one shown in FIG. 3, has a slotted and threaded inner sleeve and a split outer sleeve.

However, this one (see FIG. 4) has parallel, side-by-side inclined grooves instead of a continuous conical surface. Also, the nut has additional set screws around it that produce relative displacement between the inner and outer sleeves.

In turn, this displacement produces axial forces that translate into radial forces, and fasten the component to the shaft. This method is only suitable for larger sized components, where the nut can accommodate a number of set screws.

Fastening Methods shown in FIG. 1 through FIG. 4 are all functional. However, the Shaftloc® design is the ULTIMATE in fastening methods for the following reasons:

Shaftloc® has only two parts:

A slotted outer sleeve and a slotted inner sleeve, both of which have hexagonal heads. The outer sleeve is cylindrical on its outside diameter, and threaded on its inside diameter. Conversely, the inner sleeve is threaded on its outside diameter, and cylindrical on its inside diameter. The thread is unique in that it is not symmetrical and that it creates a continuous inclined surface.

How Shaftloc® works:

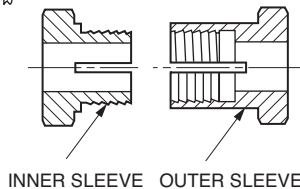
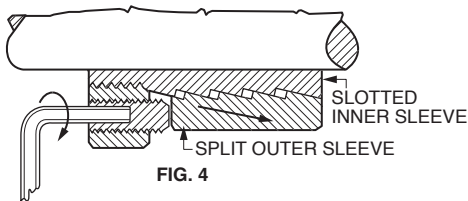
The shallow angle of the thread produces large amplifications of forces, resulting in substantial torque transmission capability between the component and the shaft.

Style1: Double-Ended

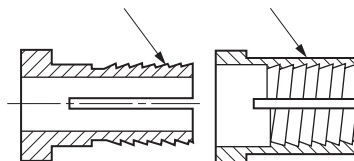
When the two sleeves are threaded into each other with a component placed between them, tightening the sleeves will cause the outer one to expand and the inner one to contract.

Style2: Single-Ended

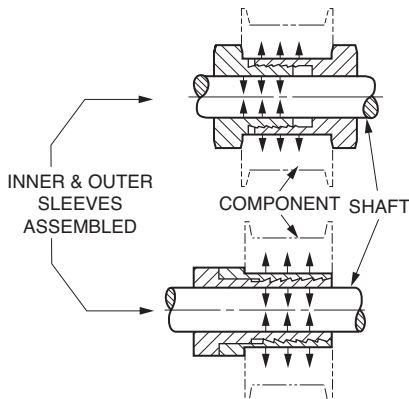
When the two sleeves are threaded into each other and slipped into the component, tightening the sleeves will cause the outer one to expand and the inner one to contract.



**STYLE 1:
A 7Z37-series
Double-Ended**



**STYLE 2:
A 7Z39-series
Single-Ended**

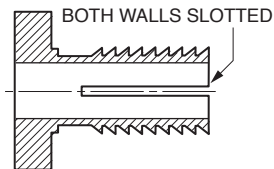
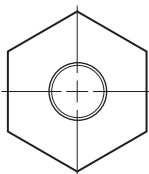
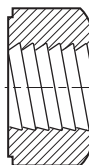
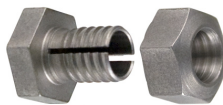


**STYLE 1:
Double-Ended**

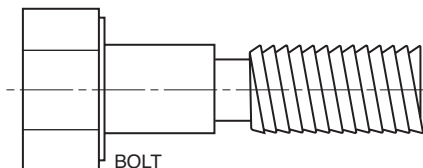
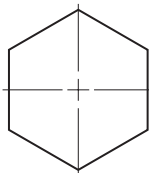
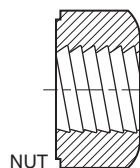
**STYLE 2:
Single-Ended**

Style 3: Shaftloc® M-Type

Two-piece construction consists of a slotted bolt and a nut, both of hexagonal shape. Used as a locking device for rigidly mounting mechanical components on a shaft. Tightening the nut next to the component causes the slotted sleeve to contract by gripping the shaft and clamping the part to the bolt at the same time.

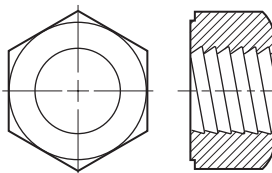
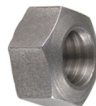
**BOLT****NUT****STYLE 3:
Shaftloc®
M-Type****Style 4: Shaftloc® A-Type**

Two-piece construction consists of a bolt and a nut which becomes a vibration resistant fastener when the nut is tightened to embrace the component mounted to it. The two-piece unit uses the wedging action between the shallow thread inclines of the nut and bolt, when the nut is tightened against the component mounted on the bolt.

**BOLT****NUT****STYLE 4:
Shaftloc®
A-Type**

Style 5: Shaftloc® D-Type

This is a stainless steel hexagonal nut with a Shaftloc® thread. It has the unique feature that it turns freely when mated with a standard bolt until it contracts the items being fastened. Additional turns wedge the nut's shallow incline against the standard bolt threads clamping the items in locked condition.

**STYLE 5:
Shaftloc®
D-Type****DISTINCT ADVANTAGES OF SHAFTLOC® OVER OTHER FASTENING DEVICES:**

- Simplicity of design – few parts
- No marring of shafts
- Easy repositioning or synchronizing of rotating components.
- Ease of assembly
- Applicability to small shaft diameters
- Availability in all stainless steel construction
- Ability to be used for stationary breadboard or production structures
- Low-cost



SDP/SI

Metric Metric Metric Metric Metric Metric Metric

Single-Ended Shaftloc® Sleeves

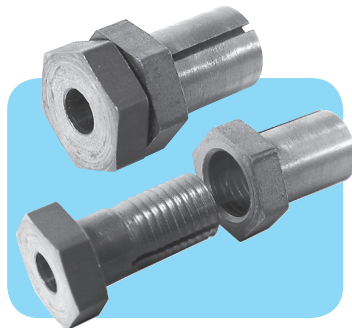
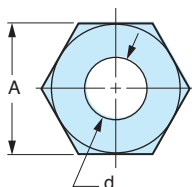
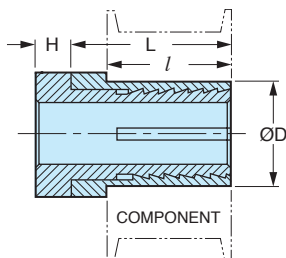
Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

Fax: 516-326-8827

■ EASY ASSEMBLY

■ NO MARRING OF SHAFTS

PATENTED

The projections shown are per ISO convention.

■ For Shaftloc® introduction and use, see page 3–13

■ For optimum performance, the clearances between the shaft, Shaftloc® and housing should not exceed .001"

■ Maximum torque capacity based on mating components being degreased before assembly with Shaftloc® coupling

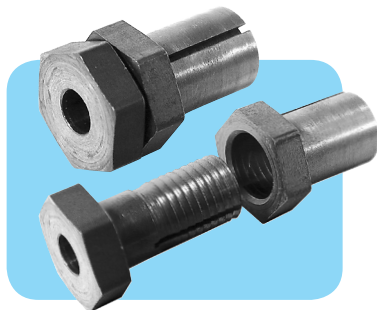
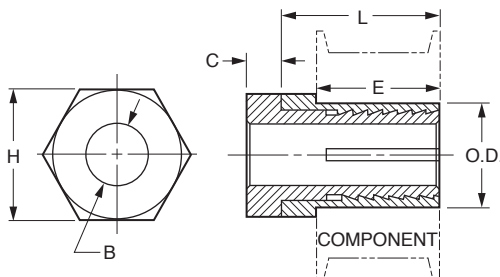
MATERIAL: 416 Stainless Steel

Catalog Number ^Δ	d Bore +0.025	D -0.025	A Hex Size	L	l	H	Max. Torque Capacity N·m
A 7Z39M0306	3	6	8	13.2	10	3.17	1.1
A 7Z39M0408	4	8	10	15.2	12	3.17	2.8
A 7Z39M0610	6	10	13	15.6	12	3.6	3.3
A 7Z39M0812	8	12	15	20	16	4	9.9
A 7Z39M1016	10	16	19	20	16	4	11
A 7Z39M1218	12	18	21	25.5	20	5.6	16.5

^ΔCan be used with Precision Ground Shafting, Catalog Number A 7X 1M...

SDPS/

Inch Inch Inch Inch Inch Inch Inch Inch Inch

Single-Ended Shaftloc® Sleeves**Stock Drive Products/Sterling Instrument****Phone: 516-328-3300****Fax: 516-326-8827****■ EASY ASSEMBLY****■ NO MARRING OF SHAFTS****PATENTED****MATERIAL:** 416 Stainless Steel

Catalog Number ^Δ	B Bore +.001 -.000	O.D. +.000 -.001	H Hex Size	L	E	C	Max. Torque* Capacity lb.in.
A 7Z39-0408	.125	.250	3/8	1/2	.375	1/8	15
A 7Z39-0612	.1875	.375	1/2	21/32	.500	5/32	55
A 7Z39-0812	.250	.375	1/2	21/32	.500	5/32	100
A 7Z39-0816	.250	.500	5/8	13/16	.625	3/16	200
A 7Z39-1216	.375	.500	5/8	13/16	.625	3/16	250
A 7Z39-1220	.375	.625	3/4	15/16	.750	7/32	
A 7Z39-1624	.500	.750	7/8	15/16	.750	7/32	

*Based on mating components being degreased before assembly with Shaftloc® coupling.

^ΔCan be used with Precision Ground Shafting, Catalog Number **A 7X 1-...****Did You Know?**

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

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

SDPSI

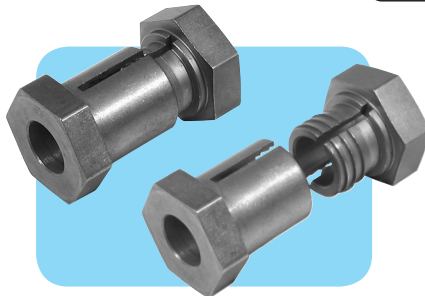
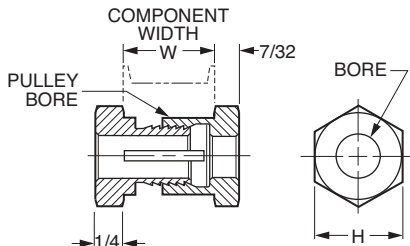
Inch Inch Inch Inch Inch Inch Inch Inch Inch

Double-Ended Shaftloc® Sleeves

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

Fax: 516-326-8827

■ **STAINLESS STEEL**■ **3/8 & 1/2 BORES****PATENTED****MATERIAL:** 416 Stainless Steel

Catalog Number ^Δ	See Note	Pulley Bore +.001 -.000	Bore +.001 -.000	W Width	H Hex Size	Max.* Torque Capacity lb.in.
A 7Z37-030553	1	.625	.375	.52 - .62	3/4	250
A 7Z37-030578		.625	.375	.75 - .85	3/4	
A 7Z37-040670	2	.750	.500	.72 - .83	7/8	250

NOTE: 1. A 3/4 O.D. x 5/8 I.D. x .05 thick washer, Catalog Number A 7X 8-C20050 is supplied.

2. A 7/8 O.D. x 3/4 I.D. x .05 thick washer, Catalog Number A 7X 8-C24050 is supplied.

*Based on mating components being degreased before assembly with Shaftloc® coupling.

^ΔCan be used with Precision Ground Shafting, Catalog Number: A 7X 1-...

SDPSI

Metric Metric Metric Metric Metric

A-Type Shaftloc®

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

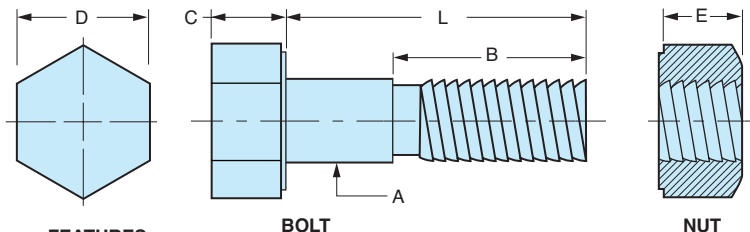
Fax: 516-326-8827

■ SELF-LOCKING

■ VIBRATION-RESISTANT

■ STAINLESS STEEL

PATENTED

**FEATURES:**

- Installed with standard tools
- Reusable

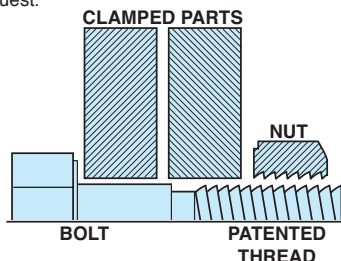
MATERIAL: 416 Stainless Steel, Passivated

Sold in Pairs

Catalog Number	A -0.05	L	B	C	D	E
A 7Z38M0619	6.5	19	19	4	10	6.1
A 7Z38M0625		25				
A 7Z38M0632		32				
A 7Z38M0820	8	20	20	5	14	7
A 7Z38M0825		25				
A 7Z38M0832		32				
A 7Z38M1025	10	25	25	7	16	8.9
A 7Z38M1032		32				
A 7Z38M1038		38				
A 7Z38M1332	13	32	32	8	18	11.7
A 7Z38M1338		38				
A 7Z38M1345		45				

NOTE: Special sizes available upon request.

These vibration-resistant fasteners employ asymmetric threads to self-lock. The two-piece unit uses the wedging action between the shallow thread inclines of the nut and bolt for self-locking when the nut encounters resistance. The nut turns freely until it contacts parts being clamped together and additional turns wedge them into a locked and vibration-resistant condition.





Inch Inch Inch Inch Inch Inch Inch

A-Type Shaftloc®

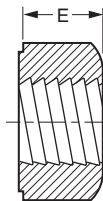
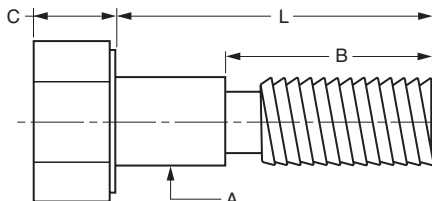
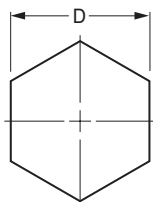
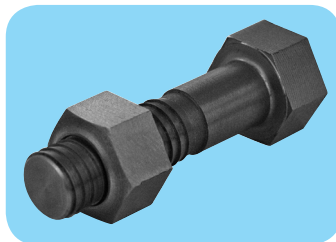
Stock Drive Products/Sterling Instrument ■ Phone: 516-328-3300 ■ Fax: 516-326-8827

■ SELF-LOCKING

■ VIBRATION-RESISTANT

■ STAINLESS STEEL

PATENTED



FEATURES:

- Installed with standard tools
- Reusable

BOLT

NUT

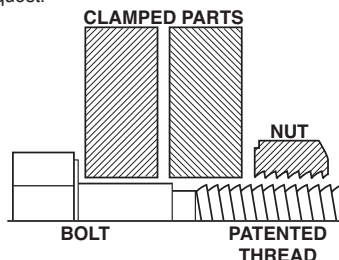
MATERIAL: 416 Stainless Steel, Passivated

Sold in Pairs

Catalog Number	A +.000 -.002	L	B	C	D	E
A 7Z38-0812	.250	.75	.75	.16	.44	.23
A 7Z38-0816		1.00				
A 7Z38-0820		1.25				
A 7Z38-1012	.3125	.75	.75	.20	.50	.27
A 7Z38-1016		1.00				
A 7Z38-1020		1.25				
A 7Z38-1216	.375	1.00	1.00	.29	.56	.34
A 7Z38-1220		1.25				
A 7Z38-1224		1.50				
A 7Z38-1620	.500	1.25	1.25	.32	.75	.45
A 7Z38-1624		1.50				
A 7Z38-1628		1.75				

NOTE: Special sizes available upon request.

These vibration-resistant fasteners employ asymmetric threads to self-lock. The two-piece unit uses the wedging action between the shallow thread inclines of the nut and bolt for self-locking when the nut encounters resistance. The nut turns freely until it contacts parts being clamped together and additional turns wedge them into a locked and vibration-resistant condition.



SDPSI**M-Type Shaftloc®**

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

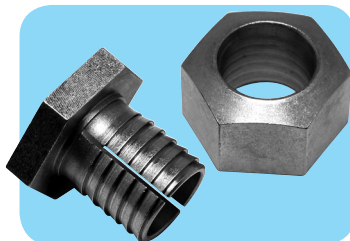
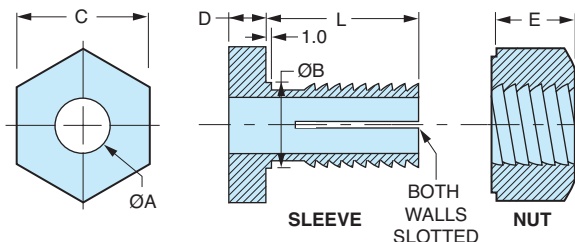
Fax: 516-326-8827

■ SELF-LOCKING

■ VIBRATION-RESISTANT

■ STAINLESS STEEL

PATENTED

**FEATURES:**

- Nonmarring of shaft
- Installed with standard tools
- Reusable

MATERIAL: 416 Stainless Steel, Passivated

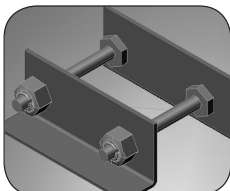
Sold in Pairs

Catalog Number	A +0.025	B -0.025	C	D	E	L
A 7Z36M0612	6	10	14	4	7	12
A 7Z36M1016	10	14	18	4	12	16
A 7Z36M1218	12	16	24	5	14	18

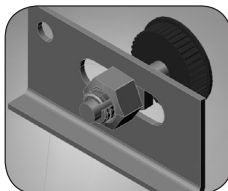
NOTE: Special sizes available upon request.

Diameters A and B concentric within 0.013 T.I.R.

Used as a locking device for rigidly mounting mechanical components onto a shaft. Due to its asymmetric thread geometry, a large radial clamping force is produced when the nut is tightened. It is a precision, dynamically balanced product suitable for high-speed applications. This simple two-piece keyless fastener can be installed within seconds, reducing assembly costs. Tightening the nut causes the slotted sleeve to contract, gripping the shaft and clamping the part to the sleeve at the same time. Keyways and screws are now obsolete; can be installed on shafts with existing keyways.



A superior method for building frames, mounting shafts, pins, rails or any cylindrical components to thin sheet metal or plastic walls.



Ideal in slots or oversized holes used for shaft position or belt tension adjustment applications.



Mounts hubless gears, sprockets, pulleys, cams or any thin walled components onto a shaft.



Offers infinite radial and axial adjustments and quick lock and release action.

SDP/SI

Inch Inch Inch Inch Inch Inch Inch

M-Type Shaftloc®

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

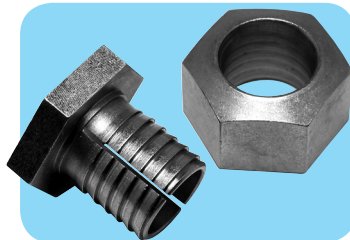
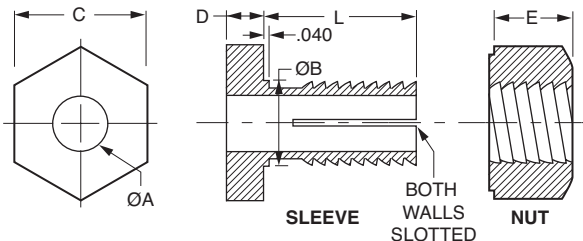
Fax: 516-326-8827

■ SELF-LOCKING

■ VIBRATION-RESISTANT

■ STAINLESS STEEL

PATENTED

**FEATURES:**

- Nonmarring of shaft
- Installed with standard tools
- Reusable

MATERIAL: 416 Stainless Steel, Passivated

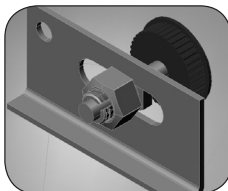
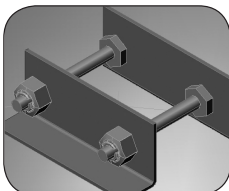
Sold in Pairs

Catalog Number	A +.001 -.000	B +.000 -.001	C	D	E	L
A 7Z36-0842	.250	.375	.50	.15	.27	.42
A 7Z36-1260	.375	.500	.75	.15	.45	.60
A 7Z36-1671	.500	.625	.94	.20	.56	.71

NOTE: Special sizes available upon request.

Diameters A and B concentric within .0005 T.I.R.

Used as a locking device for rigidly mounting mechanical components onto a shaft. Due to its asymmetric thread geometry, a large radial clamping force is produced when the nut is tightened. It is a precision, dynamically balanced product suitable for high-speed applications. This simple two-piece keyless fastener can be installed within seconds, reducing assembly costs. Tightening the nut causes the slotted sleeve to contract, gripping the shaft and clamping the part to the sleeve at the same time. Keyways and screws are now obsolete; can be installed on shafts with existing keyways.



A superior method for building frames, mounting shafts, pins, rails or any cylindrical components to thin sheet metal or plastic walls.

Ideal in slots or oversized Mounts hubless gears, sprockets, pulleys, cams or any thin holes used for shaft position walled components onto a shaft. Offers infinite radial and or belt tension adjustment axial adjustments and quick lock and release action. applications.



Inch Inch Inch Inch Inch Inch Inch Inch Inch

Shaftloc® XL Pulleys - 1/5 Pitch

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

Fax: 516-326-8827

■ MOLDED WITH METAL INSERT

■ SINGLE OR DOUBLE FLANGE

PATENTED

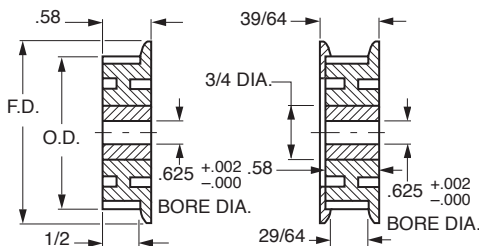
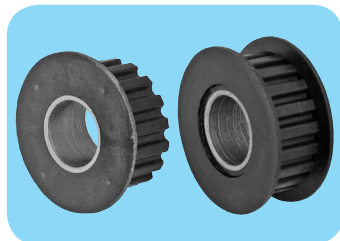


Fig. 1

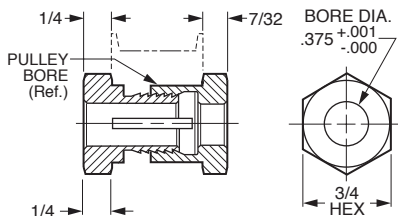
Fig. 2



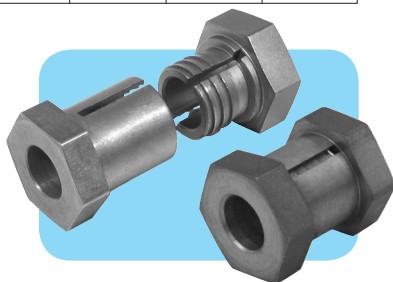
FOR 3/8" BELTS

MATERIAL: Pulley - Nylon - Black, Fiberglass Reinforced
Insert - Steel, Overmolded

Catalog Number		No. of Grooves	P.D.	O.D.	F.D.
Single Flange Fig. 1	Double Flange Fig. 2				
A 6T 3-H18SF3720	A 6T 3-H18DF3720	18	1.146	1.126	1.38
A 6T 3-H19SF3720	A 6T 3-H19DF3720	19	1.210	1.190	1.43
A 6T 3-H20SF3720	A 6T 3-H20DF3720	20	1.273	1.253	1.50
A 6T 3-H21SF3720	A 6T 3-H21DF3720	21	1.337	1.317	1.57
A 6T 3-H22SF3720	A 6T 3-H22DF3720	22	1.401	1.381	1.63
A 6T 3-H24SF3720	A 6T 3-H24DF3720	24	1.528	1.508	1.76
A 6T 3-H25SF3720	A 6T 3-H25DF3720	25	1.592	1.572	1.80
A 6T 3-H26SF3720	A 6T 3-H26DF3720	26	1.655	1.635	1.87
A 6T 3-H27SF3720	A 6T 3-H27DF3720	27	1.719	1.699	1.93
A 6T 3-H28SF3720	A 6T 3-H28DF3720	28	1.783	1.763	2.01
A 6T 3-H29SF3720	A 6T 3-H29DF3720	29	1.846	1.826	2.07
A 6T 3-H30SF3720	A 6T 3-H30DF3720	30	1.910	1.890	2.14
A 6T 3-H32SF3720	A 6T 3-H32DF3720	32	2.037	2.017	2.27
A 6T 3-H36SF3720	A 6T 3-H36DF3720	36	2.292	2.272	2.52
A 6T 3-H40SF3720	A 6T 3-H40DF3720	40	2.546	2.526	2.78
A 6T 3-H42SF3720	A 6T 3-H42DF3720	42	2.674	2.654	2.90
A 6T 3-H48SF3720	A 6T 3-H48DF3720	48	3.056	3.036	3.29
A 6T 3-H60SF3720	A 6T 3-H60DF3720	60	3.820	3.800	4.05



MATERIAL: 416 Stainless Steel



Catalog Number	Pulley Bore (Ref.)	Max. Torque Capacity* lb. in.
A 7Z37-030553	.625	250

*Based on mating components being degreased before assembly with Shaftloc® coupling.

NOTE: A 3/4 O.D. x 5/8 I.D. x .05 thick washer, Catalog Number A 7X 8-C20050 is supplied.



Shaftloc® L Pulleys - 3/8 Pitch

Stock Drive Products/Sterling Instrument

Phone: 516-328-3300

Fax: 516-326-8827

■ MOLDED WITH METAL INSERT

■ SINGLE OR DOUBLE FLANGE

PATENTED

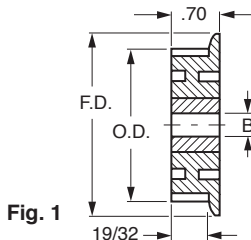


Fig. 1

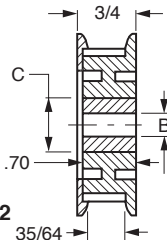
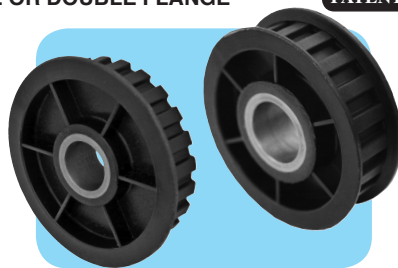


Fig. 2



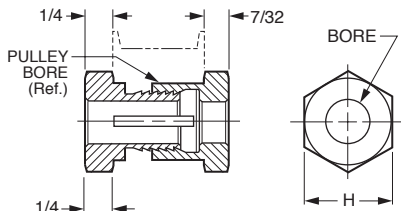
MATERIAL: Pulley - Nylon - Black, Fiberglass Reinforced
Insert - Steel, Overmolded

FOR 1/2" BELTS

Catalog Number		No. of Grooves	P.D.	O.D.	F.D.	B +.002 -.000	C
Single Flange - Fig. 1	Double Flange - Fig. 2						
A 6T 4-H10SF5020	A 6T 4-H10DF5020	*10	1.194	1.164	1.49	.625	3/4
A 6T 4-H11SF5020	A 6T 4-H11DF5020	*11	1.313	1.283	1.63		
A 6T 4-H12SF5020	A 6T 4-H12DF5020	*12	1.432	1.402	1.75		
A 6T 4-H13SF5024	A 6T 4-H13DF5024	13	1.552	1.522	1.79	.750	1
A 6T 4-H14SF5024	A 6T 4-H14DF5024	14	1.671	1.641	2.00		
A 6T 4-H15SF5024	A 6T 4-H15DF5024	15	1.790	1.760	2.12		
A 6T 4-H16SF5024	A 6T 4-H16DF5024	16	1.910	1.880	2.22		
A 6T 4-H17SF5024	A 6T 4-H17DF5024	17	2.029	1.999	2.34		
A 6T 4-H18SF5024	A 6T 4-H18DF5024	18	2.149	2.119	2.47		
A 6T 4-H19SF5024	A 6T 4-H19DF5024	19	2.268	2.238	2.57		
A 6T 4-H20SF5024	A 6T 4-H20DF5024	20	2.387	2.357	2.74		
A 6T 4-H21SF5024	A 6T 4-H21DF5024	21	2.507	2.477	2.85		
A 6T 4-H22SF5024	A 6T 4-H22DF5024	22	2.626	2.596	2.95		
A 6T 4-H24SF5024	A 6T 4-H24DF5024	24	2.865	2.835	3.15		
A 6T 4-H28SF5024	A 6T 4-H28DF5024	28	3.342	3.312	3.55		
A 6T 4-H30SF5024	A 6T 4-H30DF5024	30	3.581	3.551	3.78		
A 6T 4-H32SF5024	A 6T 4-H32DF5024	32	3.820	3.790	4.05		

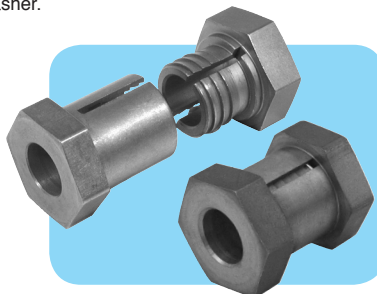
NOTE: Pulleys with 10 to 12 grooves do not have webs.

*Only these pulleys require a 3/4 O.D. x 5/8 I.D. x .050 thick washer.



MATERIAL: 416 Stainless Steel

SLEEVES Catalog Number	Pulley Bore (Ref.)	Shaftloc Bore +.001, -.000	H Hex Size	Max. Δ Torque Capacity lb.in.
Δ 7Z37-030578	.625	.375	3/4	250
Δ 7Z37-040670	.750	.500	7/8	



ΔBased on mating components being degraded before assembly with Shaftloc® coupling.

ΔA 3/4 O.D. x 5/8 I.D. x .05 thick washer, Catalog Number A 7X 8-C20050 is supplied.

ΔA 7/8 O.D. x 3/4 I.D. x .05 thick washer, Catalog Number A 7X 8-C24050 is supplied.



■ MOLDED WITH METAL INSERT

■ SINGLE OR DOUBLE FLANGE

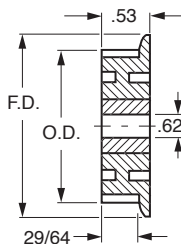
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Fig. 1

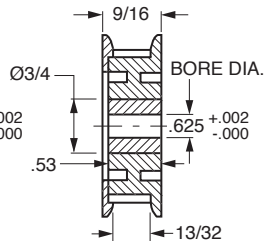
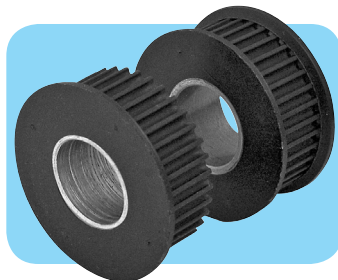


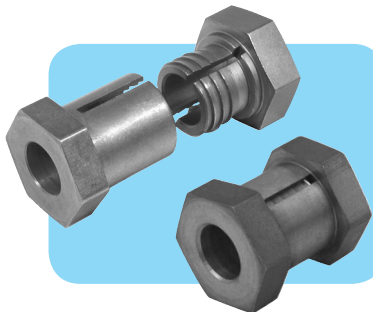
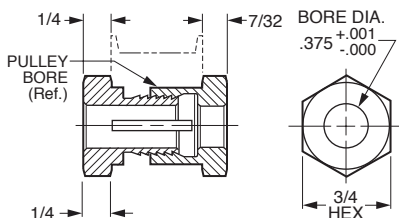
Fig. 2

**FOR 9 mm BELTS (.354 INCH)**

MATERIAL: Pulley - Nylon - Black, Fiberglass Reinforced
 Insert - Steel, Overmolded

Catalog Number		No. of Grooves	P.D.	O.D.	F.D.
Single Flange – Fig. 1	Double Flange – Fig. 2				
A 6T23-H32SF0920	A 6T23-H32DF0920	32	1.203	1.173	1.32
A 6T23-H36SF0920	A 6T23-H36DF0920	36	1.353	1.323	1.47
A 6T23-H40SF0920	A 6T23-H40DF0920	40	1.504	1.474	1.62
A 6T23-H42SF0920	A 6T23-H42DF0920	42	1.579	1.549	1.70
A 6T23-H48SF0920	A 6T23-H48DF0920	48	1.805	1.775	1.92
A 6T23-H50SF0920	—	50	1.880	1.850	2.00
A 6T23-H60SF0920		60	2.256	2.226	2.37
A 6T23-H72SF0920		72	2.707	2.677	2.83

NOTE: The Shaftloc® shown below may be used to secure these pulleys on the shaft.



MATERIAL: 416 Stainless Steel

Catalog Number	Pulley Bore (Ref.)	Max. Torque Capacity* lb. in.
A 7Z37-030553	.625	250

*Based on mating components being degreased before assembly with Shaftloc® coupling.

NOTE: A 3/4 O.D. x 5/8 I.D. x .05 thick washer, Catalog Number A 7X 8-C20050 is supplied.



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Stock Drive Products/Sterling Instrument

Shaftloc® HTD® Pulleys - 5 mm Pitch

Phone: 516-328-3300 Fax: 516-326-8827

■ MOLDED WITH METAL INSERT

■ SINGLE OR DOUBLE FLANGE

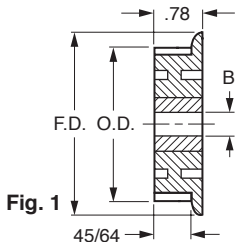
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Fig. 1

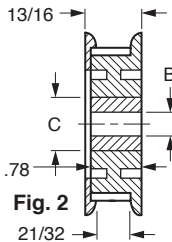
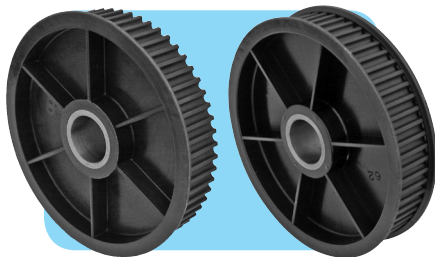


Fig. 2



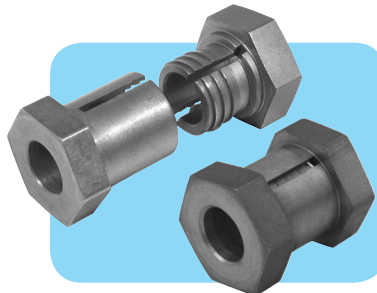
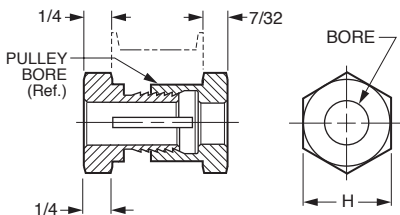
MATERIAL: Pulley - Nylon - Black, Fiberglass Reinforced
Insert - Steel, Overmolded

FOR 15 mm BELTS (.591 INCH)

Catalog Number		No. of Grooves	P.D.	O.D.	F.D.	B +.002 -.000	C
Single Flange - Fig. 1	Double Flange - Fig. 2						
A 6T25-H19SF1520	A 6T25-H19DF1520	19	1.191	1.146	1.31	.625	3/4
A 6T25-H20SF1524	A 6T25-H20DF1524	20	1.253	1.208	1.37		
A 6T25-H22SF1524	A 6T25-H22DF1524	22	1.379	1.334	1.50		
A 6T25-H24SF1524	A 6T25-H24DF1524	24	1.504	1.459	1.62		
A 6T25-H28SF1524	A 6T25-H28DF1524	28	1.754	1.709	1.87		
A 6T25-H30SF1524	A 6T25-H30DF1524	30	1.880	1.835	2.00		
A 6T25-H32SF1524	A 6T25-H32DF1524	32	2.005	1.960	2.12		
A 6T25-H36SF1524	A 6T25-H36DF1524	36	2.256	2.211	2.41		
A 6T25-H38SF1524	—	38	2.381	2.336	2.54		
A 6T25-H40SF1524	—	40	2.506	2.461	2.66	.750	1
A 6T25-H42SF1524	—	42	2.632	2.587	2.79		
A 6T25-H44SF1524	—	44	2.757	2.712	2.91		
A 6T25-H48SF1524	—	48	3.008	2.963	3.16		
A 6T25-H50SF1524	—	50	3.133	3.088	3.26		
A 6T25-H56SF1524	—	56	3.509	3.464	3.66		
A 6T25-H60SF1524	—	60	3.760	3.715	3.92		
A 6T25-H62SF1524	A 6T25-H62DF1524	62	3.885	3.840	4.03		
A 6T25-H64SF1524	—	64	4.010	3.965	4.16		
* A 6T25-H72SF1524	—	72	4.511	4.466	4.66		
A 6T25-H80SF1524	—	80	5.013	4.968	5.16		

NOTE: Pulleys with 19 to 24 grooves do not have webs.

*Pulley has a steel insert, 1-1/2" across flats.



MATERIAL: 416 Stainless Steel

SLEEVES Catalog Number	Pulley Bore (Ref.)	Shaftloc Bore +.001, -.000	H Hex Size	Max. Δ Torque Capacity lb.in.
§ A 7Z37-030578	.625	.375	3/4	250
♦ A 7Z37-040670	.750	.500	7/8	

ΔBased on mating components being degreased before assembly with Shaftloc® coupling.

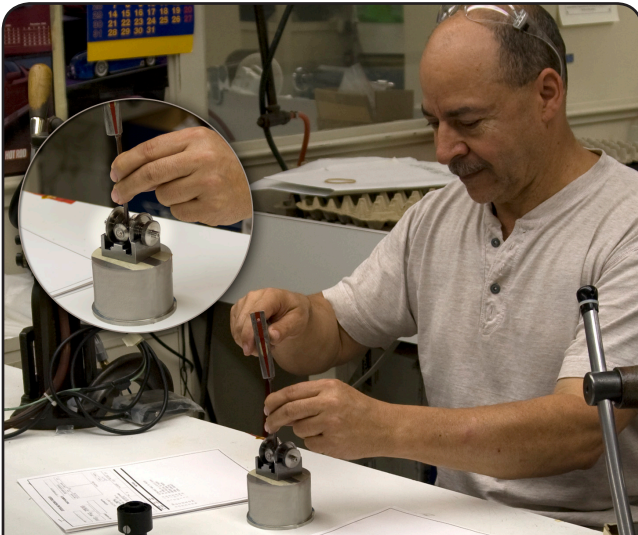
§ A 3/4 O.D. x 5/8 I.D. x .05 thick washer, Catalog Number A 7X 8-C20050 is supplied.

♦ A 7/8 O.D. x 3/4 I.D. x .05 thick washer, Catalog Number A 7X 8-C24050 is supplied.



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