



Sleeve Bearings

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FEATURES/BENEFITS



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.

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



FEATURES/BENEFITS

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



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 B17-5 and add any special instructions to the end of the description for options not covered by the nomenclature.

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.

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

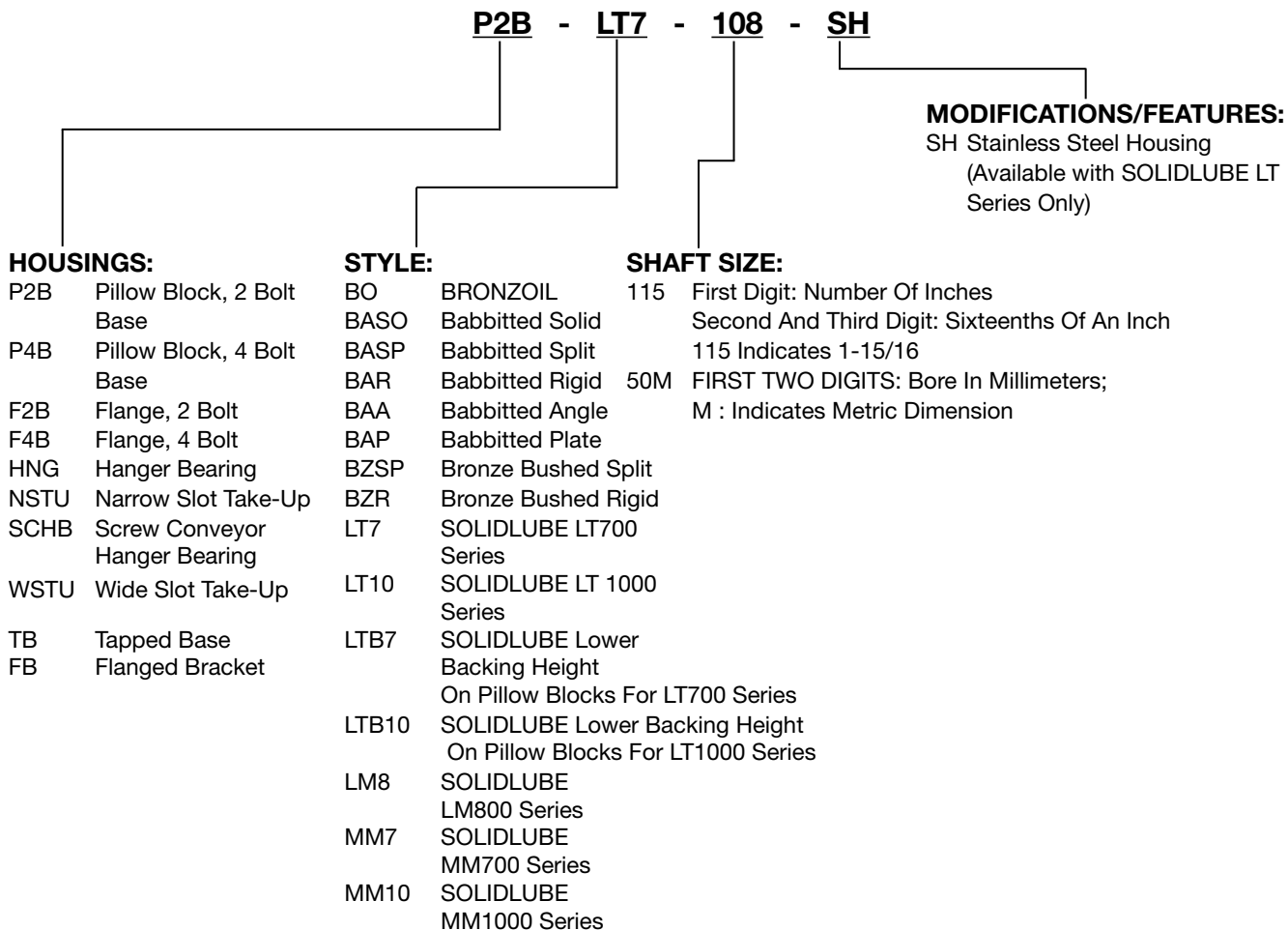
Grease lubricated for moderate speeds and loads, ambient temperature to 130°F, babbitt accurately bored to insure even load distribution for conveyor shafts, heavy gear, and chain drives use.



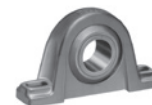
NOMENCLATURE

Sleeve Bearings

SLEEVE BEARING NOMENCLATURE



SELECTION



Sleeve Bearings - SOLIDLUBE - Inch

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

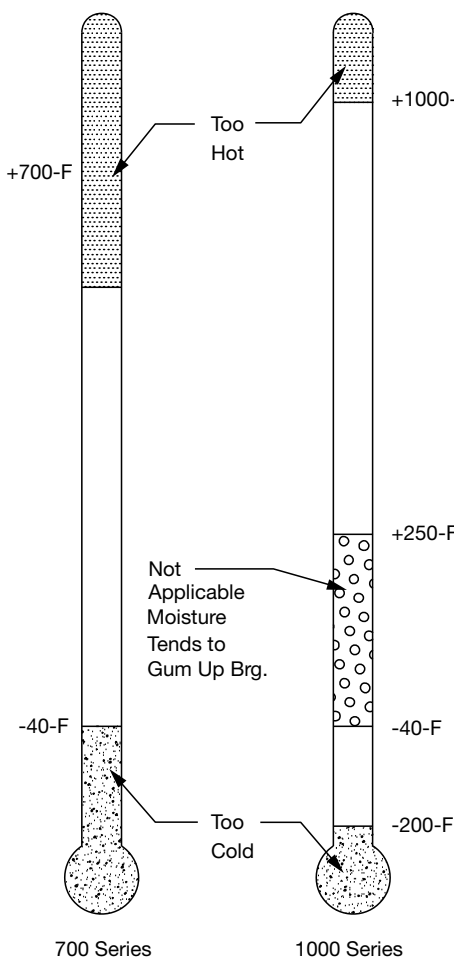
SOLIDLUBE bearings or bearings made from alternate bushing materials such as polymers, fibers, bronze, etc. for unusual operating and load conditions are available on a specially engineered basis by supplying the following:

- 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 (B4-102).

Note: SOLIDLUBE bearings are not designed for rotating housing applications



SOLIDLUBE Bearing Operating Temperature

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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 heavy line, use LT1000 and/or hardened shaft.

SOLIDLUBE Bearing Corrosion (Chemical) Resistance

Type of Chemical	Chemical	Bearing Series	
		LM800 700	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)	▲	▲
	Cryogenic (Liquefied)	■	▲
	Inert	★	★
	Oxidizing	■	▲
Salts	Reducing	★	★
	Acid Salts	▲	▲
	Alkaline Salts	▲	▲
	Metals	★	★
	Neutral Salts	■	▲
Solvents	Neutral Salt Solutions	★	★
	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		Max. Thrust
	Base Loaded	Cap or Side Loading	
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.

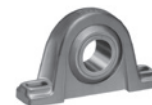
LM800 Radial Load Ratings

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

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 $+0.000/-0.051$ 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

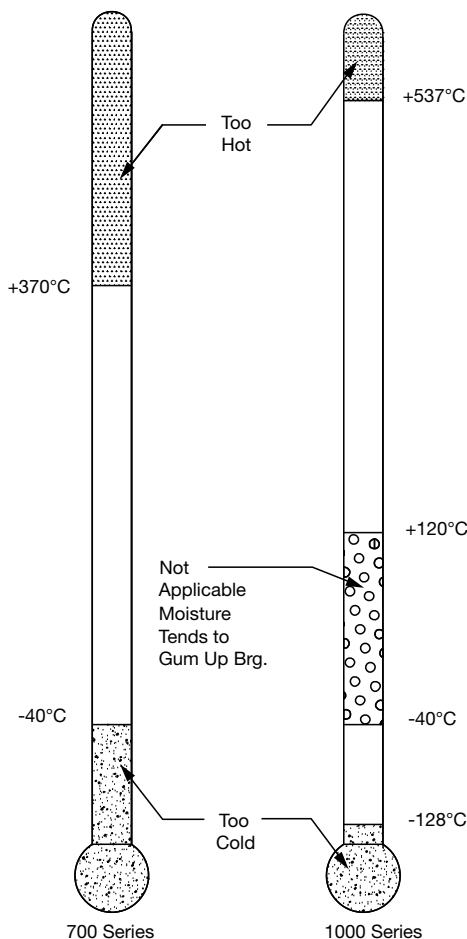
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- Shaft size, material and rpm.
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- Direction of load.
- Ambient temperature and atmospheric conditions (water, dirt, corrosive, etc.)
- Type of bearing: pillow block, flange bearing, etc.
- Housing material desired.
- Quantity.

End Closures

Ball Bearing End Closures are available (Page B4-102).

Note: SOLIDLUBE bearings are not designed for rotating housing applications



SOLIDLUBE Bearing Operating Temperature

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SELECTION

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 and 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

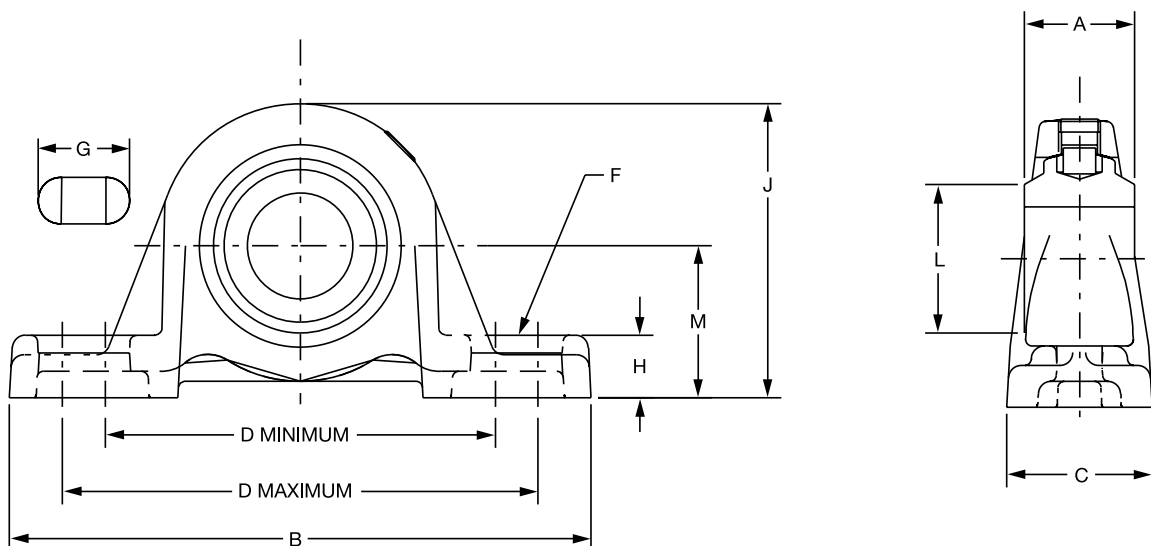
▲ Use only when shaft movement is Limited to approx. $\pm 90^\circ$

Movement is infrequent as opposed to continuous and maximum bearing temperature is 370°C.

SELECTION/DIMENSIONS



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	LD-10
	25mm	034226	P2B-LT7-25M	0.64	034235	P2B-LT10-25M	0.64	
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	



SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE 3/4" THRU 3" SOLIDLUBE LT PILLOW BLOCKS

Series	Shaft Size	A	B	C	D		F Bolt Dia.	G	H	J	L	M
					Min.	Max.						
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

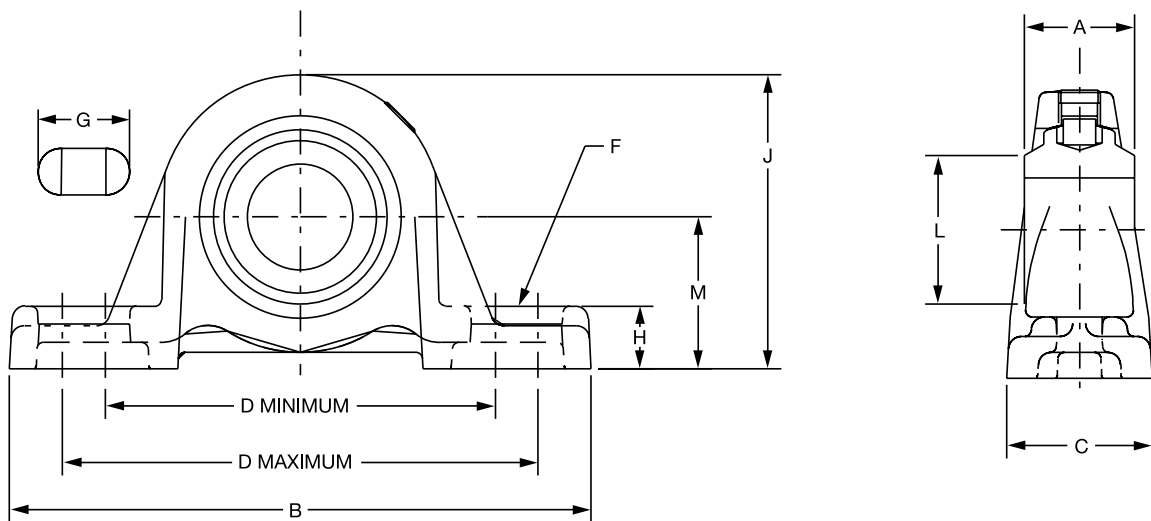
The LT and LTB Pillow Blocks Are Identical Except the LTB Pillow Blocks Have Lower Backing Dimensions

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SELECTION/DIMENSIONS



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	LD-10
	25mm	034245	P2B-LTB7-25M	0.59	034253	P2B-LTB10-25M	0.59	
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-LTB7-115	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
212	2-7/16	032959	P2B-LTB7-207	8.1	032989	P2B-LTB10-207	8.1	LD-40
	2-1/2	032960	P2B-LTB7-208	7.8	032990	P2B-LTB10-208	7.8	
	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							



SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE 3/4" THRU 3" SOLIDLUBE LTB PILLOW BLOCKS

Series Size	Shaft	A	B	C	D		F Bolt Dia.	G	H	J	L	M
					Min.	Max.						
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

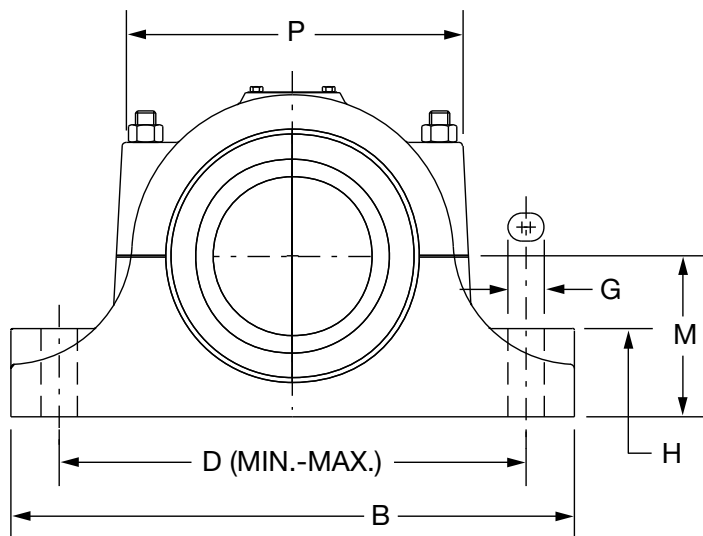
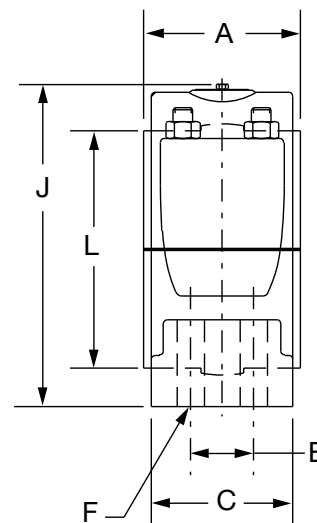
The LT and LTB Pillow Blocks are Identical Except the LTB Pillow Blocks Have Lower backing Dimensions.

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SELECTION/DIMENSIONS



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

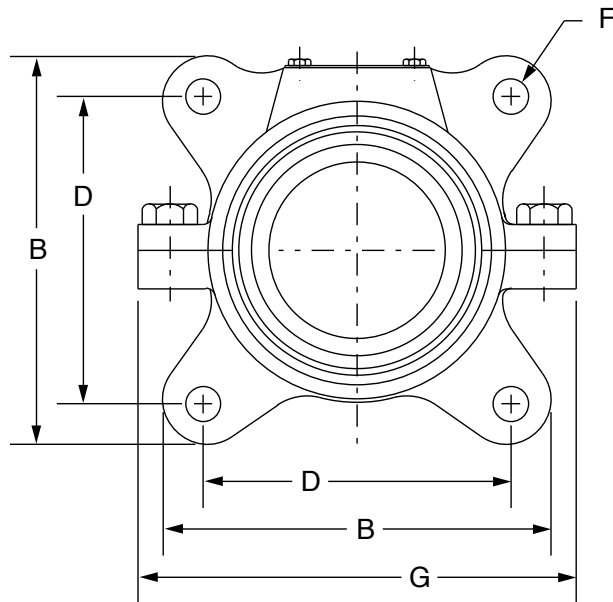
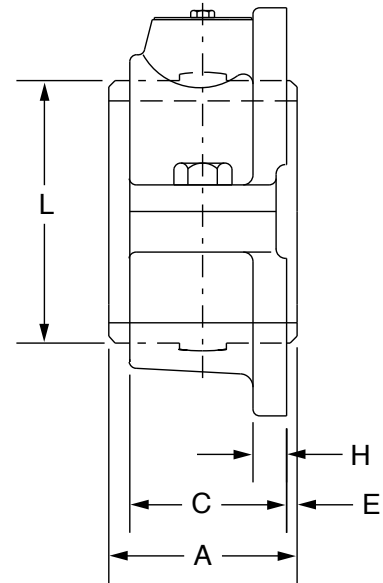
◆ No Published Metric Dimensions For This Product

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SELECTION/DIMENSIONS

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

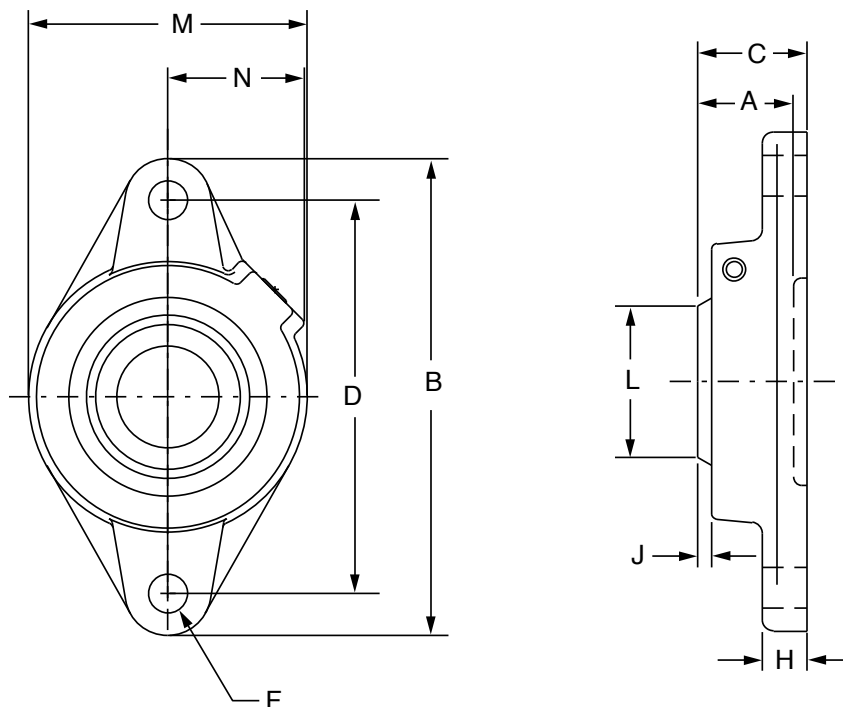
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SELECTION/DIMENSIONS



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-LT10-108	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



SELECTION/DIMENSIONS

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	29/32	4-13/16	1-1/8	3-17/32	3/8	1/2	5/32	1-3/8	2-3/8	1-1/2
	20mm	23.0	122.2	28.6	89.7	3/8	12.7	4.0	34.9	60.3	38.1
205	7/8	63/64	4-7/8	1-1/8	3-57/64	7/16	1/2	5/32	1-9/16	2-3/4	1-7/16
	15/16 1 25mm					7/16					
206	1-1/8	1-7/64	5-9/16	1-7/32	4-19/32	7/16	1/2	5/32	1-13/16	3-1/8	1-9/16
	1-3/16 30mm					7/16					
207	1-1/4	1-7/32	6-1/8	1-3/8	5-1/8	1/2	9/16	5/32	2-1/8	3-3/4	1-27/32
	1-3/8 1-7/16 1-1/2 35mm					1/2					
209	1-11/16	1-21/64	7-1/16	1-19/32	5-27/32	1/2	5/8	3/16	2-9/16	4-3/8	1-29/32
	1-3/4 40mm 45mm					1/2					
210	1-15/16	1-13/32	7-7/16	1-21/32	6-3/16	1/2	5/8	3/16	2-13/16	4-9/32	2-1/32
	2 50mm					1/2					

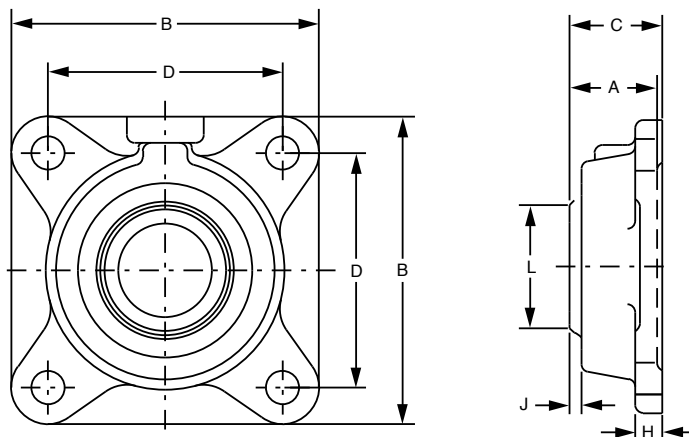
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SELECTION/DIMENSIONS



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-LT7-112	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



SELECTION/DIMENSIONS

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.

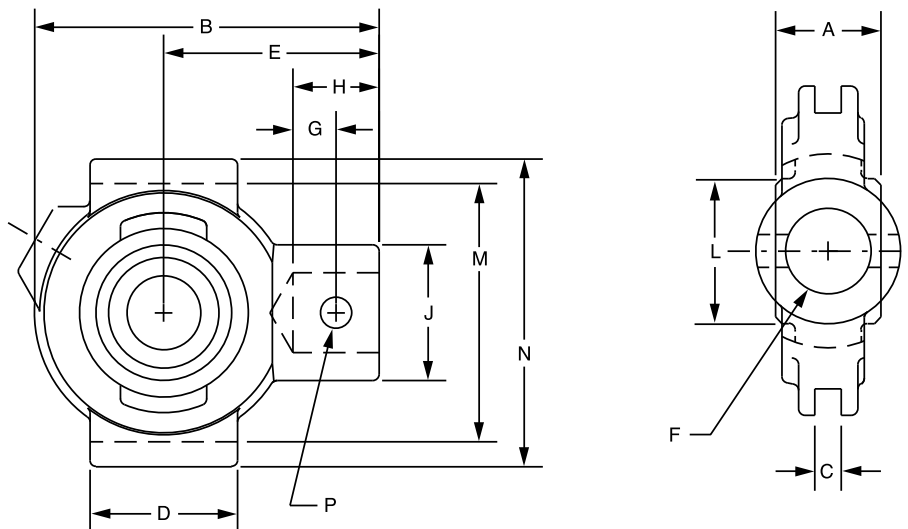
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SELECTION/DIMENSIONS



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	NS-210
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	NS-210
	25mm	034294	NSTU-LT7-25M	0.77	034304	NSTU-LT10-25M	0.77	
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	NS-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	NS-308
	35mm	034296	NSTU-LT7-35M	1.36	034306	NSTU-LT10-35M	1.36	
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	NS-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	NS-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	NS-415



SELECTION/DIMENSIONS

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 20mm	1 25.4	3-1/2 88.9	1/4 6.4	1-1/2 38.1	2-3/16 55.6	3/4 3/4	7/16 11.1
205	7/8, 15/16, 1 25mm	1-1/16 27	3-9/16 90.5	1/4 6.4	1-1/2 38.1	2-3/16 55.6	3/4 3/4	7/16 11.1
206	1-1/8 1-3/16 30mm	1-3/16 30.2	4-5/16 109.5	1/4 6.4	2-1/2 63.5	2-11/16 68.3	3/4 3/4	7/16 11.1
207	1-1/4, 1-3/8, 1-7/16, 1-1/2 35mm	1-5/16 33.3	4-1/2 114.3	1/4 6.4	2-1/2 63.5	2-11/16 68.3	3/4 3/4	7/16 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 50mm	1-5/8 41.3	5-1/2 139.7	5/16 7.9	3 76.2	3-1/4 82.6	7/8 7/8	1/2 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 60mm	1-13/16 46	6-11/16 169.9	5/16 7.9	3-3/4 95.3	3-7/8 95.3	1 1	19/32 15.1

Series	Shaft Size	H	J	L	M	N	P Pin Dia.
204	3/4 20mm	7/8 22.2	1-3/8 34.9	1-3/8 34.9	2-5/8 66.7	3-1/8 79.4	5/16 5/16
205	7/8, 15/16, 1 25mm	7/8 22.2	1-3/8 34.9	1-9/16 39.7	2-5/8 66.7	3-1/8 79.4	5/16 5/16
206	1-1/8 1-3/16 30mm	15/16 23.8	1-3/8 34.9	1-13/16 46.0	3-1/2 88.9	4-1/8 104.8	5/16 5/16
207	1-1/4, 1-3/8, 1-7/16, 1-1/2 35mm	15/16 23.8	1-3/8 34.9	2-1/8 54.0	3-1/2 88.9	4-1/8 104.8	5/16 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 50mm	1-3/32 27.8	1-5/8 41.3	2-13/16 71.4	4 101.6	4-3/4 120.7	3/8 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 60mm	1-9/32 32.5	1-3/4 41.3	3-1/8 88.9	4-7/16 125.4	5-3/8 146.1	7/16 7/16

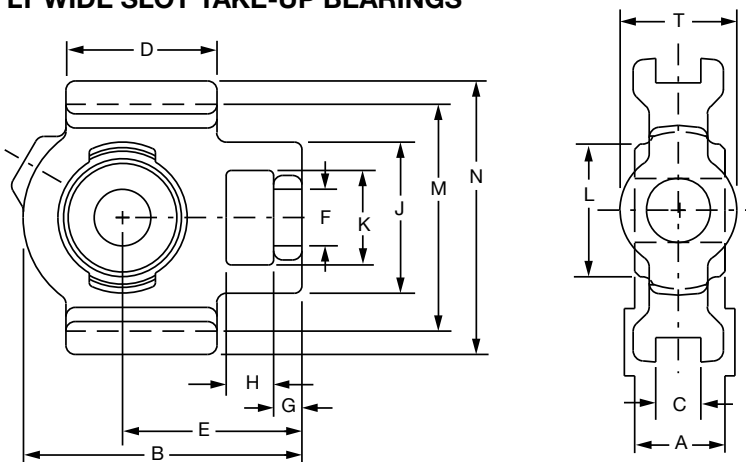
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SELECTION/DIMENSIONS



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	WS-300
	25mm	034314	WSTU-LT7-25M	1.09	034324	WSTU-LT10-25M	1.09	
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	
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	
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	
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	
	75mm	034322	WSTU-LT7-75M	5.67	034332	WSTU-LT10-75M	5.67	

SELECTION/DIMENSIONS



Sleeve Bearings - SOLIDLUBE 3/4" THRU 3 SOLIDLUBE LT WIDE SLOT TAKE-UP BEARINGS

Plummer Blocks

Sleeve Bearings

SLEEVOIL

Take-Up Frames

Engineering

Part Number Index

Keyword Index

Series	Shaft Size	A	B	C	D	E	F Dia.	G
204	3/4 20mm	1 25.4	3-11/16 93.7	17/32 13.5	2 50.8	2-3/8 60.3	3/4 3/4	3/8 9.5
205	7/8, 15/16, 1 25mm	1-1/16 27.0	3-13/16 96.8	17/32 13.5	2 50.8	2-7/16 61.9	13/16 13/16	3/8 9.5
206	1-1/8, 1-3/16 30mm	1- 3/16 30.2	4- 3/8 111.1	17/32 13.5	2-1/4 57.2	2-3/4 69.9	7/8 7/8	3/8 9.5
207	1-1/4, 1-3/8 1-7/16, 1-1/2 35mm	1- 5/16 33.3	4- 7/8 123.8	17/32 13.5	2-1/2 63.5	3-1/16 77.8	7/8 7/8	1/2 23.7
209	1-11/16, 1-3/4 40mm, 45mm	1- 9/16 39.7	5- 5/8 142.9	11/16 17.5	3-1/4 82.6	3-7/16 87.3	1-1/8 1-1/8	5/8 15.9
210	1-15/16, 2 50mm	1-5/8 41.3	5-13/16 147.6	11/16 17.5	3-3/8 85.7	3-9/16 90.5	1-1/8 1-1/8	5/8 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 60mm	1-13/16 46.0	7-1/2 190.5	1-1/16 27.0	4 101.6	4-11/16 119.1	1-3/8 1-3/8	3/4 19.1
215	2-15/16, 3 70mm, 75mm	2-23/32 69.1	9-1/8 231.8	1-1/16 27.0	4-3/4 120.7	5-1/2 139.7	1-9/16 1-9/16	13/16 20.6

Series	Shaft Size	H	J	K	L	M	N	T
204	3/4 20mm	5/8 15.9	2 50.8	1-1/4 31.8	1-3/8 34.9	3 76.2	3-5/8 92.1	1-3/8 34.9
205	7/8, 15/16, 1 25mm	5/8 15.9	2 50.8	1-5/16 33.3	1-9/16 39.7	3 76.2	3-5/8 92.1	1-3/8 34.9
206	1-1/8, 1-3/16 30mm	5/8 15.9	2-3/16 55.6	1-7/16 36.5	1-13/16 46.0	3-1/2 88.9	4-1/8 104.8	1-5/8 41.3
207	1-1/4, 1-3/8 1-7/16, 1-1/2 35mm	5/8 15.9	2-1/2 63.5	1-7/16 36.5	2-1/8 54.0	3-1/2 88.9	4-1/8 104.8	1-5/8 41.3
209	1-11/16, 1-3/4 40mm, 45mm	3/4 19.1	3-1/4 82.6	1-15/16 49.2	2-9/16 65.1	4 101.6	4-3/4 120.7	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	2-13/16 71.4	4 101.6	4-3/4 120.7	1-15/16 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 60mm	1-1/4 31.8	4 101.6	2-1/2 63.5	3-1/2 88.9	5-1/8 130.2	5-7/8 149.2	2-1/2 63.5
215	2-15/16, 3 70mm, 75mm	1-1/4 31.8	4-3/8 111.1	2-3/4 69.9	3-15/16 100.0	5-15/16 150.8	6-11/16 169.9	2-3/4 69.9

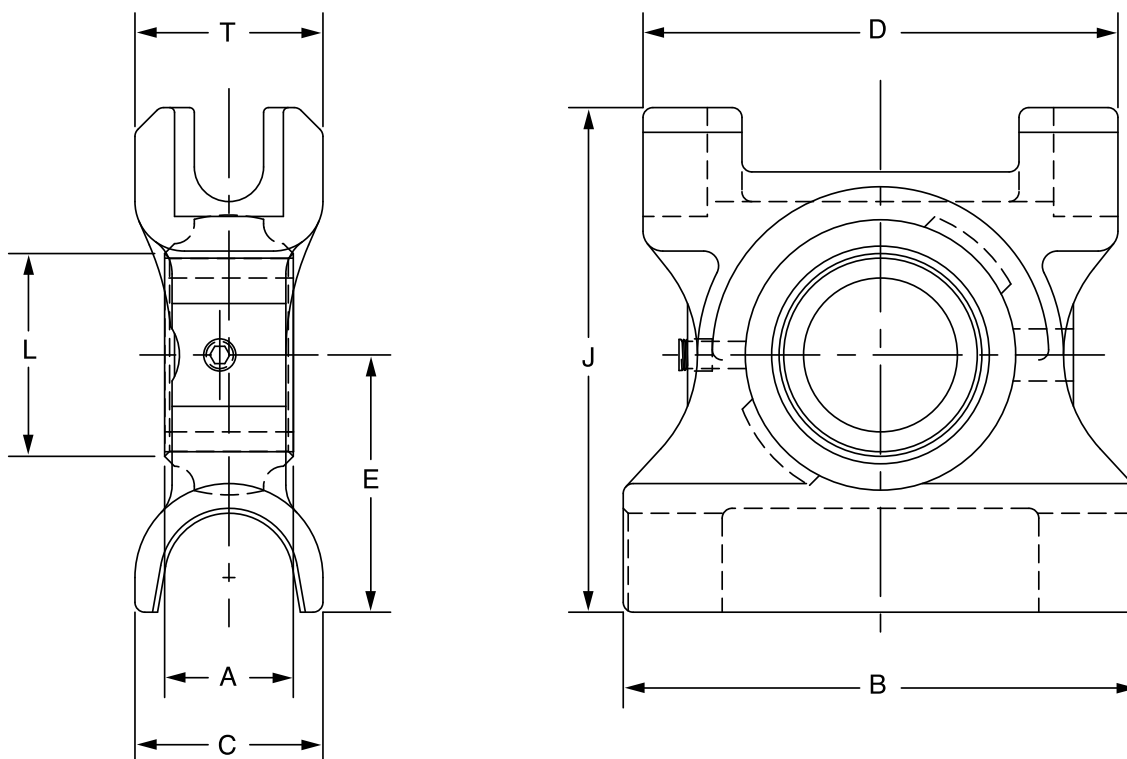
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SELECTION/DIMENSIONS



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		
2-1/2	033743	TP-GLT7-208	033754	TP-GLT10-208	14.1	TP30
2-15/16	033744	TP-GLT7-215	033755	TP-GLT10-215		
3	033745	TP-GLT7-300	033756	TP-GLT10-300	17.0	TP40



SELECTION/DIMENSIONS

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

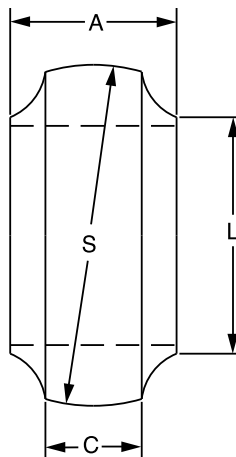
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SELECTION/DIMENSIONS



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		034471	INS-LT10-70M	
	75mm	034472	INS-LT7-75M	2.50	034473	INS-LT10-75M	2.50



SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE

3/4" THRU 3" SOLIDLUBE LT INSERTS

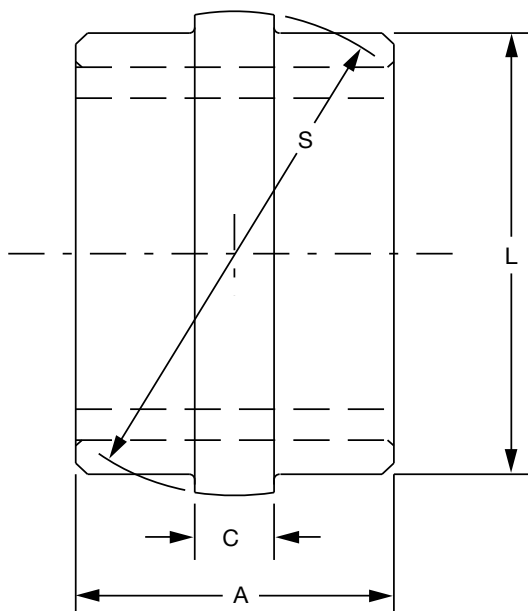
Series	Shaft Size	A	C	L	S
204	3/4	1	5/8	1-3/8	1.8445/1.8425
	20mm	25.4	15.9	34.9	46.850 / 46.800
205	7/8	1-1/16	5/8	1-9/16	2.0415/2.0395
	15/16				
206	1	1-3/16	11/16	1-13/16	2.435/2.433
	25mm				
207	1-1/8	1-5/16	13/16	2-1/8	2.829/2.827
	1-3/8				
209	1-7/16	1-9/16	13/16	2-9/16	3.3415/3.3395
	1-1/2				
210	35mm	1-5/8	7/8	2-13/16	3.5375/3.5355
	1-11/16				
211	1-3/4	1-3/4	15/16	3-1/8	3.932/3.930
	40mm				
212	45mm	1-13/16	1-1/16	3-1/2	4.326/4.324
	2-7/16				
215	2-1/2	2-23/32	1-3/16	3-15/16	5.1135/5.1115
	60mm				
215	70mm	69.1	30.2	100.0	129.883 / 129.832
	75mm				

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SELECTION/DIMENSIONS



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

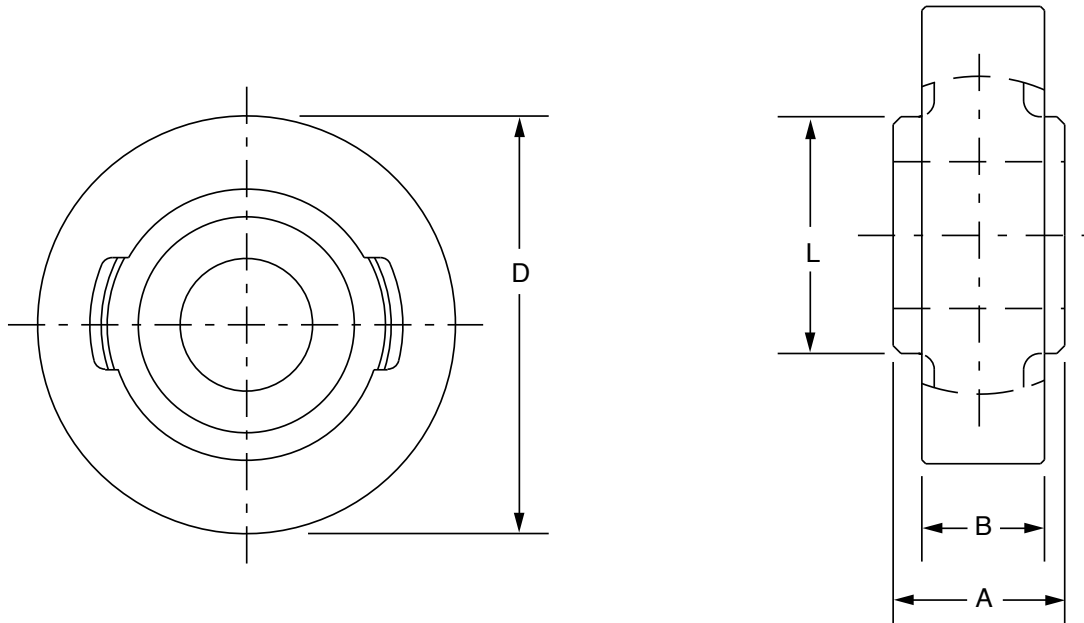
Shaft Size	Wt.	A	C	L Dia.	S Spherical Dia.
3-7/16	6.4	3-1/2	7/8	4-7/8	5.182/5.180
3-1/2	6.2				
3-15/16	10.0	4	1-1/8	5-5/8	6.057/6.055
4	9.8				
4-7/16	20.0	4-1/2	1-1/4	6-15/16	7.370/7.367
4-1/2	19.7				
4-15/16	27.0	5	1-3/8	7-9/16	7.995/7.992
5	26.5				

◆ No Published Metric Dimensions For This Product



SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE 7/8" THRU 1-1/2" SOLIDLUBE LT CYLINDRICAL 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

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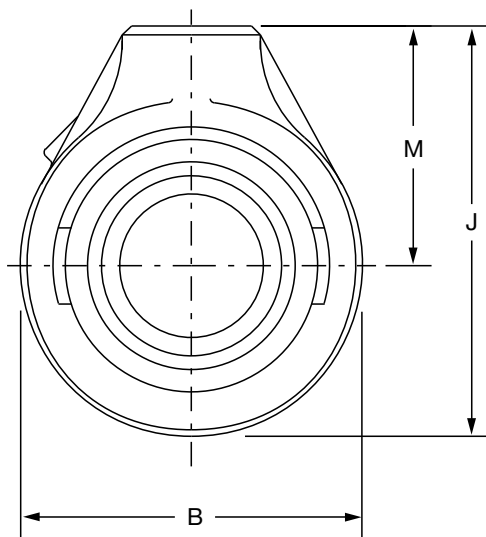
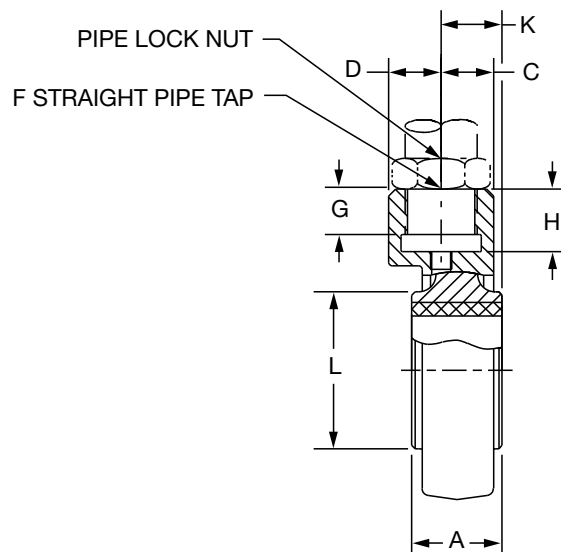
SELECTION/DIMENSIONS



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 2	033937	SCHB-LT7-115	5.8	033952	SCHB-LT10-115	1.9
		033938	SCHB-LT7-200	5.7	033953	SCHB-LT10-200	2.0
212	2-7/16 2-1/2	033939	SCHB-LT7-207	7.1	033954	SCHB-LT10-207	5.0
		033940	SCHB-LT7-208	7.0	033955	SCHB-LT10-208	4.8

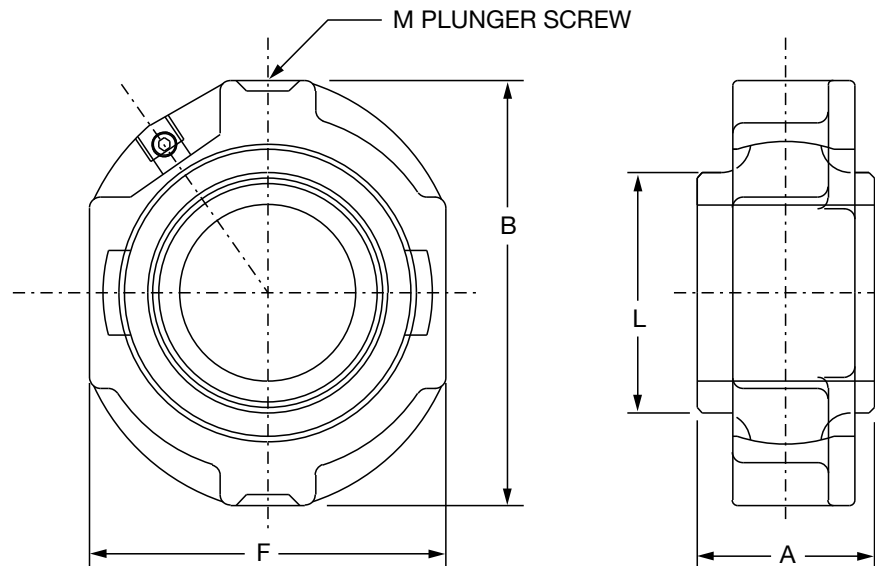
Series	Shaft Size	A	B	C	D	F#	G	H	J	K	L	M
210	1-15/16 2	1-5/8	4-5/8	7/8	15/16	1	13/16	1-1/8	5-9/16	1-3/32	2-13/16	3-1/4
212	2-7/16 2-1/2	1-13/16	5-1/2	1-5/32	1-5/32	1-1/4	1-1/8	1-7/16	6-3/4	1-1/4	3-1/2	4

◆ No Published Metric Dimensions For This Product



SELECTION/DIMENSIONS

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	1-5/16	4-1/4	3-1/2	2-1/8	1/2
1-3/16					
1-1/4					
1-3/8					
1-7/16	1-5/8	5	4-3/16	2-13/16	5/8
1-1/2					
1-15/16					
2					

◆ No Published Metric Dimensions For This Product

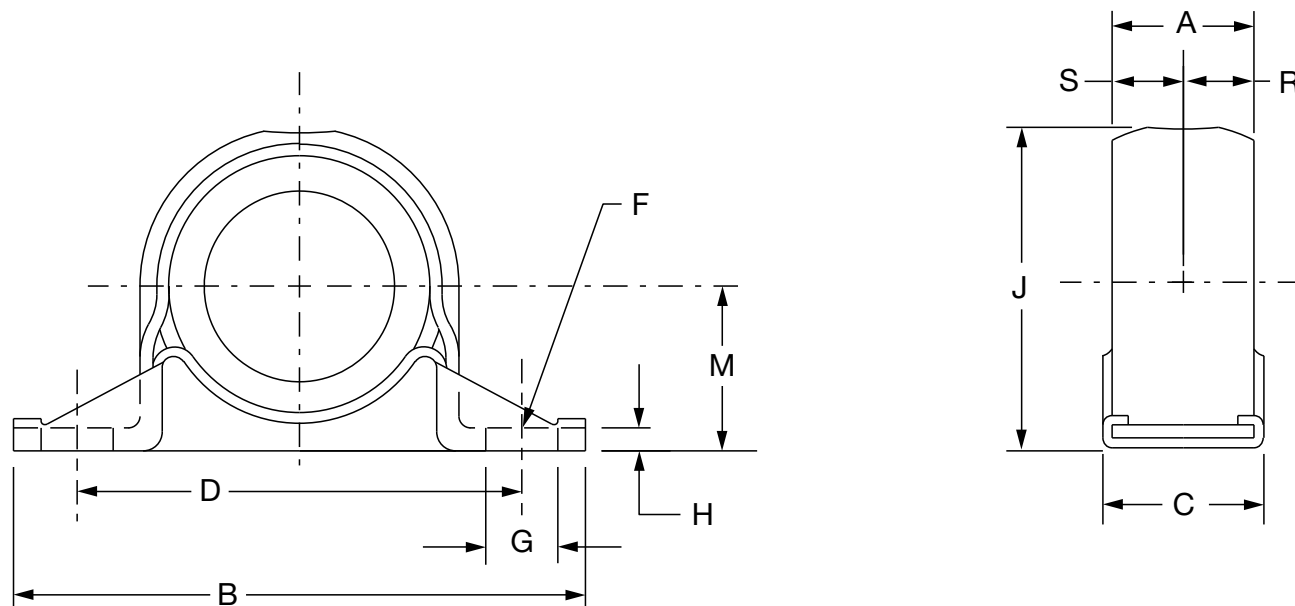
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SELECTION/DIMENSIONS



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	033693	P2B-LM8-100	.22	1	4	1-7/32	3
1-1/4	033694	P2B-LM8-104	.70				
1-1/2	033695	P2B-LM8-108	.50	1-1/8	4-1/2	1-11/32	3-1/2

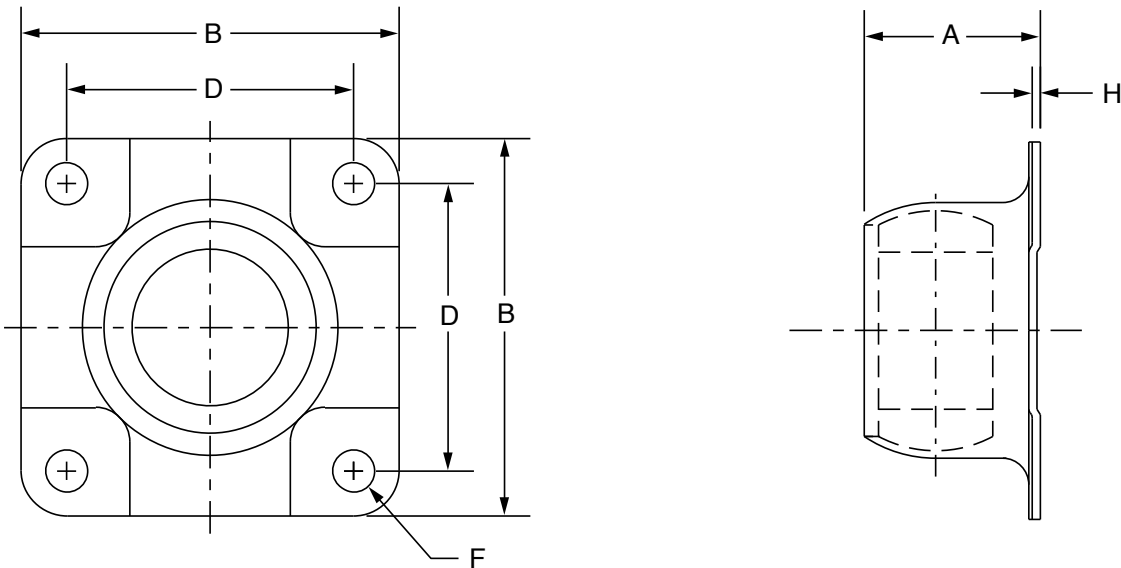
Shaft Size	F Bolt Dia.	G	H	J	M	R	S
3/4							
1	3/8	9/16	5/32	2-1/16	1-1/16	1/2	1/2
1-1/4							
1-1/2	3/8	9/16	5/32	2-9/16	1-5/16	9/16	9/16

◆ No Published Metric Dimensions For This Product



SELECTION/DIMENSIONS

Sleeve Bearings - SOLIDLUBE
3/4" THRU 1-1/2" SOLIDLUBE LM800 4-BOLT FLANGE BEARING

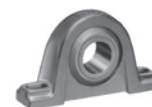


Shaft Size	Part No.	Description	Wt.	A
3/4	033696	F4B-LM8-012	.50	1-9/32
1	033697	F4B-LM8-100	.36	
1-1/4	033698	F4B-LM8-104	.50	1-11/16
1-1/2	033699	F4B-LM8-108	.50	

Shaft Size	B	D	F Bolt Dia	H
3/4	3-1/8	2-1/4	3/8	1/16
1				
1-1/4	3-5/8	2-3/4	3/8	1/16
1-1/2				

◆ No Published Metric Dimensions For This Product

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 1 on the opposite page: Table 1 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, or SOLIDLUBE pillow blocks.

Babbitted and bronze-bushed journal bearings DO NOT include grease fittings.

Reference - Flush type reducer bushings to be used with Part Number **405015** 1/8 NPT grease fitting:

To order 1/8 NPT grease fitting, confirm pipe tap dimension on bearing dimension page. If the pipe tap is 1/8, a flush type reducer bushing is not required. If the pipe tap is 1/4, 3/8 or 1/2; order the appropriate size flush type reducer bushing in addition to p/n 405015.

Part No.	Description
430081	1/2 x 1/8
430086	3/8 x 1/8
430087	1/4 x 1/8

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 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 polymer limits 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.



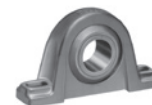
Sleeve Bearings - Babbitted and Bronze-Bushed

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	For speeds lower than 10 rpm consult DODGE.																							
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	...																									

SELECTION



Sleeve Bearings - Babbitted and Bronze-Bushed

Radial Load Ratings
(Refer To Instructions On Page B17-34)

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	For speeds lower than 10 rpm consult DODGE.																					
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.



SELECTION

Sleeve Bearings - Bronze Bushings



U.S. PATENT NO. 3,071,419



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	Bushings 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

† Part number is for one bushing set which includes upper and lower half

* Order separately if desired

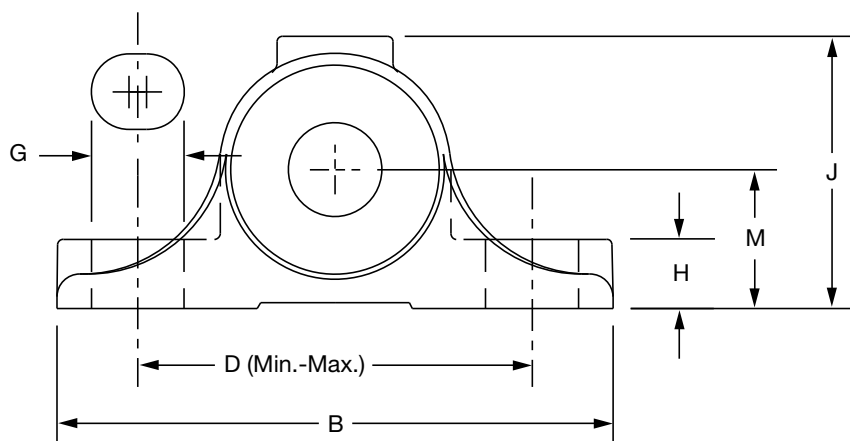
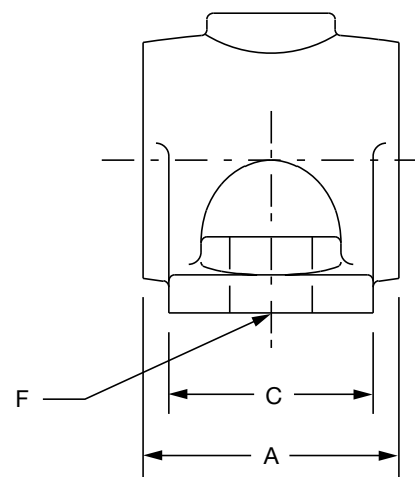
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SELECTION/DIMENSIONS



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

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SELECTION/DIMENSIONS

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 B17-34 for grease fitting and reducer bushing part numbers

Note: All blocks have two base bolts and are one piece solid housings.

◆ No Published Metric Dimensions For This Product

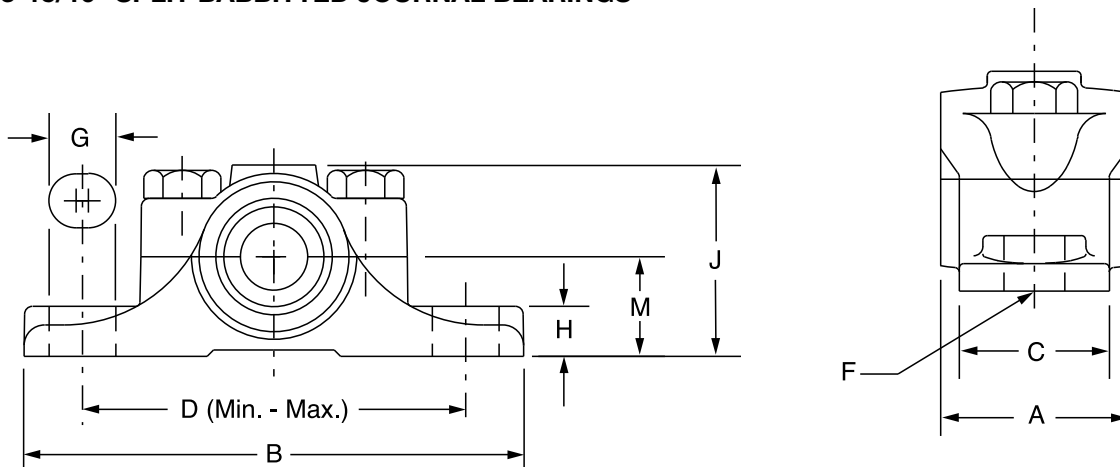
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SELECTION/DIMENSIONS



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

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SELECTION/DIMENSIONS

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 B17-34 for grease fitting and reducer bushing part numbers

Note: All blocks have 2 base bolts and 2 cap bolts. Housings are split.

◆ No Published Metric Dimensions For This Product

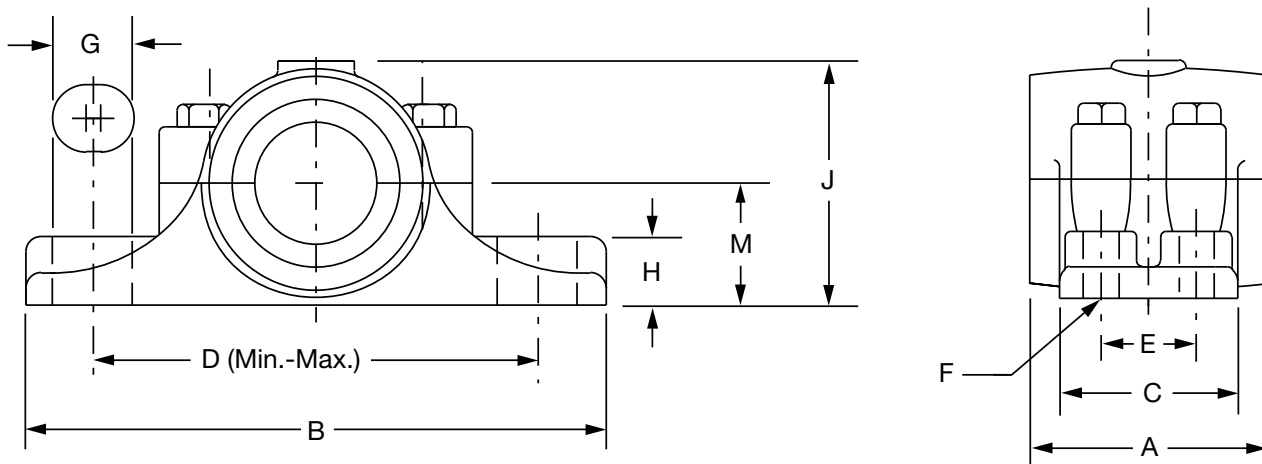
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SELECTION/DIMENSIONS



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

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SELECTION/DIMENSIONS

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. Req'd	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 B17-34 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). Housings are split.

◆ No Published Metric Dimensions For This Product

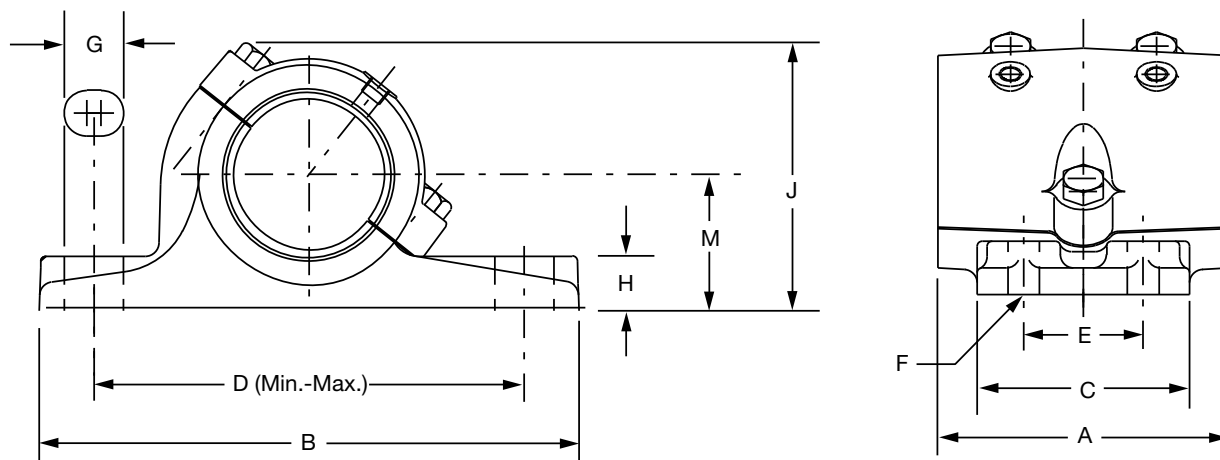
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SELECTION/DIMENSIONS



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



SELECTION/DIMENSIONS

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. Req'd	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 B17-34 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

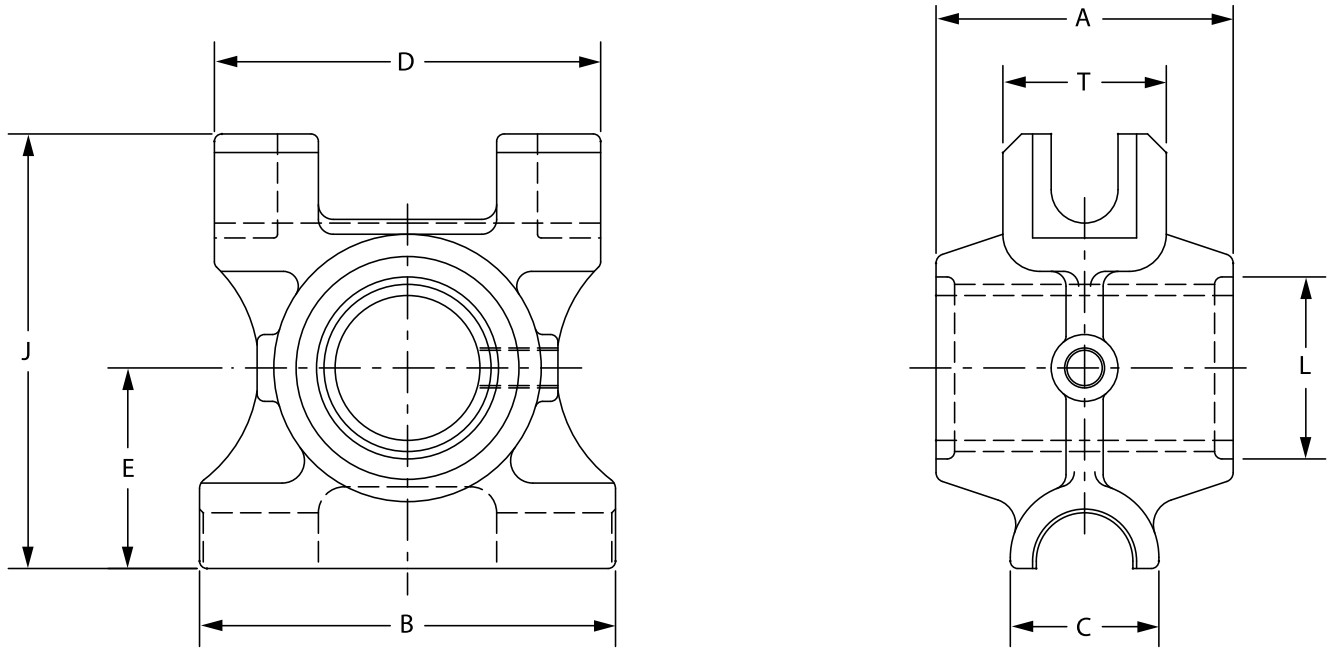
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SELECTION/DIMENSIONS



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	012218	TP-H-215	TP30
3-7/16	012219	TP-H-307	TP50
3-15/16	012220	TP-H-315	TP50



SELECTION/DIMENSIONS

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

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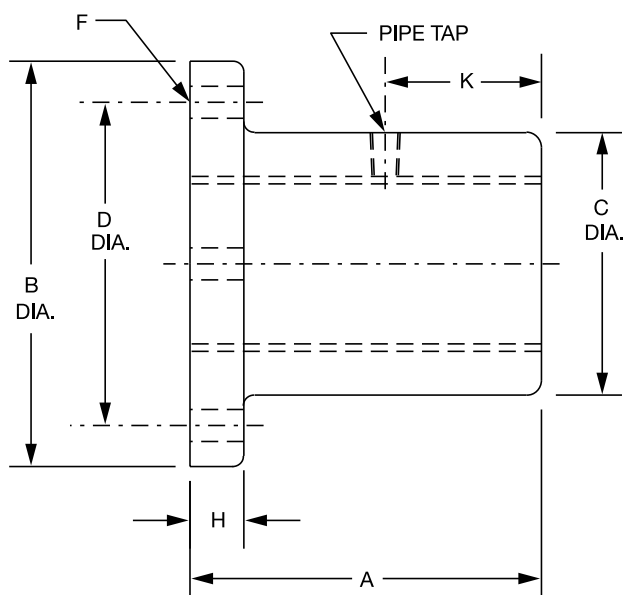
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SELECTION/DIMENSIONS



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



SELECTION/DIMENSIONS

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

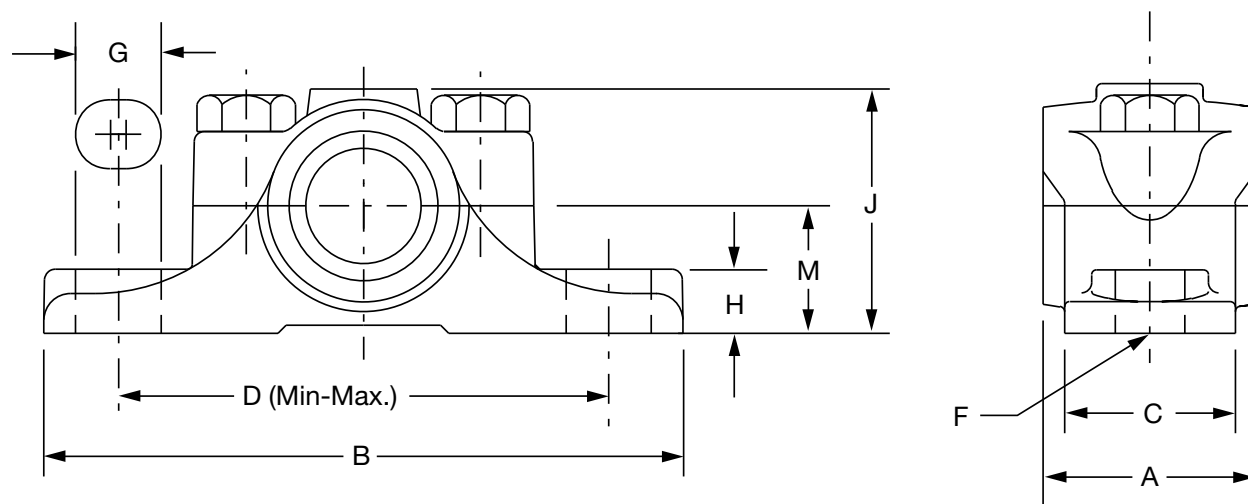
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SELECTION/DIMENSIONS



Sleeve Bearings - Bronze-Bushed

1-15/16" THRU 2-15/16" BRONZE-BUSHED SPLIT 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 B17-34 for grease fitting and reducer bushing part number.

Note: All sizes have 2 bolt base and 2 cap bolts. Housings are split.

◆ No Published Metric Dimensions For This Product

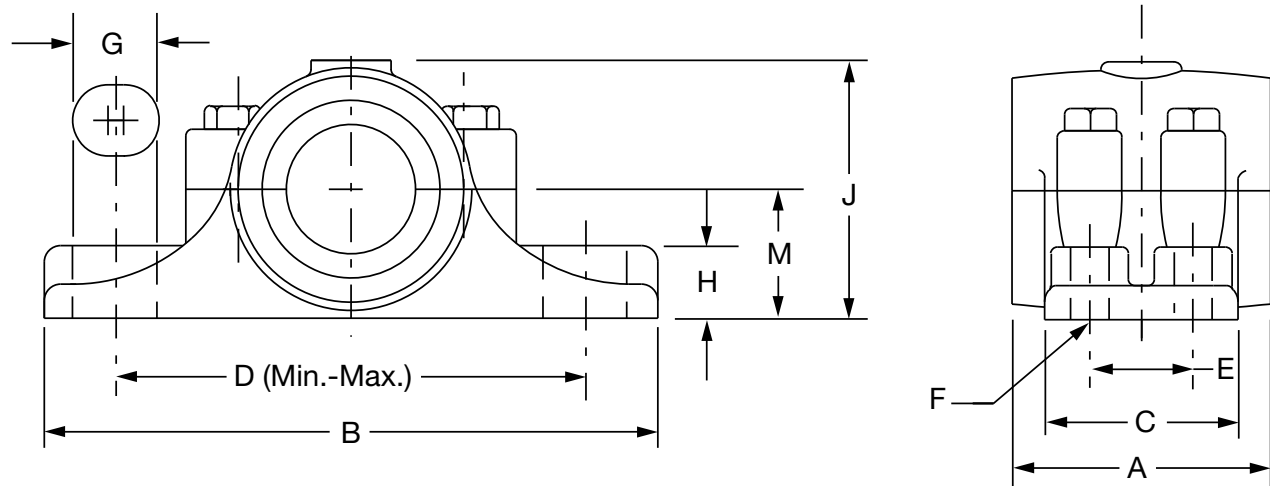
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SELECTION/DIMENSIONS

Sleeve Bearings - Bronze-Bushed

3-7/16" THRU 8" BRONZE-BUSHED RIGID SPLIT 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 B17-34 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. Housings are split.

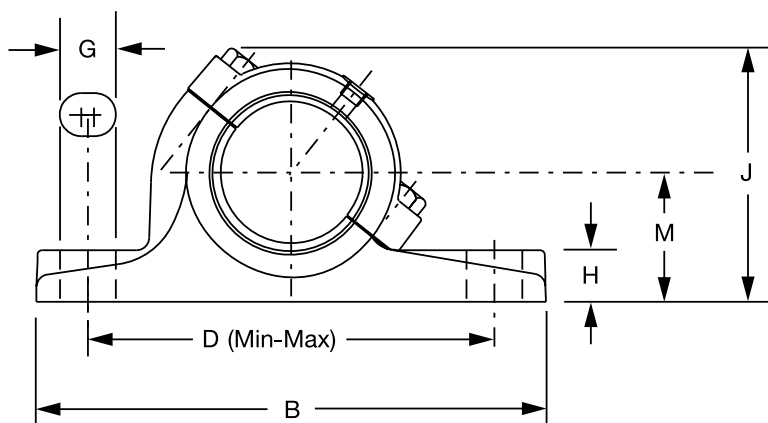
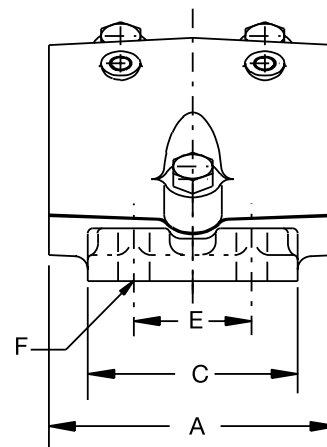
♦ No Published Metric Dimensions For This Product

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SELECTION/DIMENSIONS



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



SELECTION/DIMENSIONS

Sleeve Bearings - Bronze-Bushed 1-15/16" THRU 8" ANGLE BRONZE-BUSHED PILLOW BLOCKS

Plummer Blocks

Sleeve Bearings

SLEEVOIL

Take-Up Frames

Engineering

Part Number Index

Keyword Index

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.

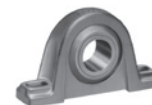
Note: 1-15/16 - 3-7/16" sizes have 2 cap bolts

3-15/16 - 5-15/16" sizes have 3 cap bolt (shown in diagram)

6-1/2" and larger have 4 cap bolts

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SELECTION



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 Sizes	Radial Load Rating in Lbs. at Various Revolutions Per Minute				
	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	...	...	...	...

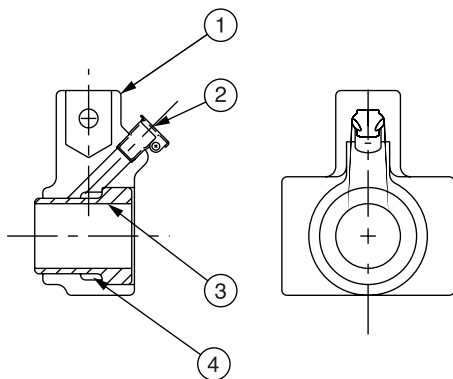
BRONZOIL Take-Up Bearing Assembly

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

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 $+.000/-0.002$.
8. Maximum operating temperature 180°F.



1. BRONZOIL Housing
2. BRONZOIL Take-Up Oil Cup
3. BRONZOIL Bushing
4. BRONZOIL Perma Wick

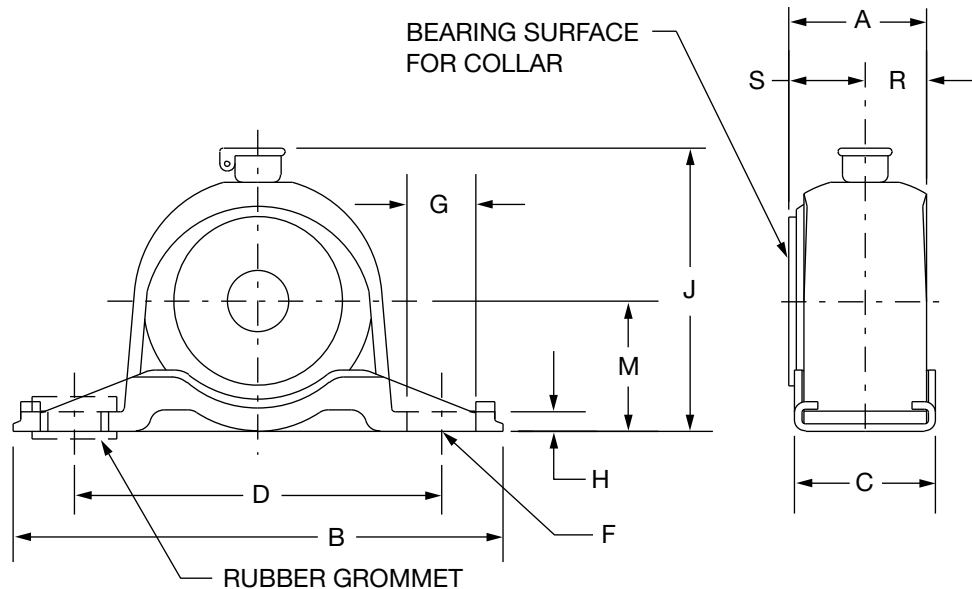


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SELECTION/DIMENSIONS

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-B0-008	0.6	1-1/8	4	1-3/16	3
5/8	035026	P2B-B0-010					
3/4	035027	P2B-B0-012					
7/8	035028	P2B-B0-014	0.5	1-1/8	4	1-3/16	3
15/16	035029	P2B-B0-015					
1	035030	P2B-B0-100					
1-3/16	035107	P2B-B0-103	1.3	1-3/4	4-1/2	1-1/4	3-1/2
1-1/4	035108	P2B-B0-104	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	3/8	9/16	5/32	2-5/16	1-1/16	1/2	5/8
5/8							
3/4							
7/8	3/8	9/16	5/32	2-5/16	1-1/16	1/2	5/8
15/16							
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

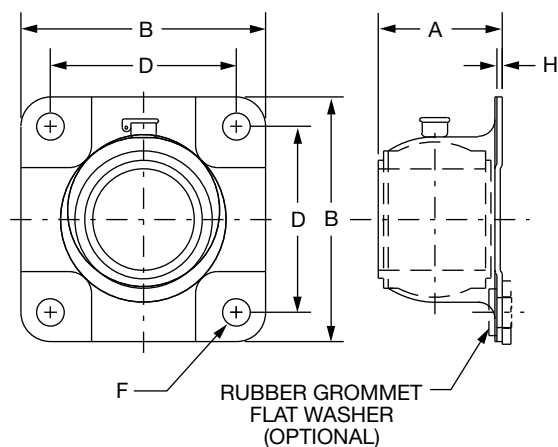
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SELECTION/DIMENSIONS

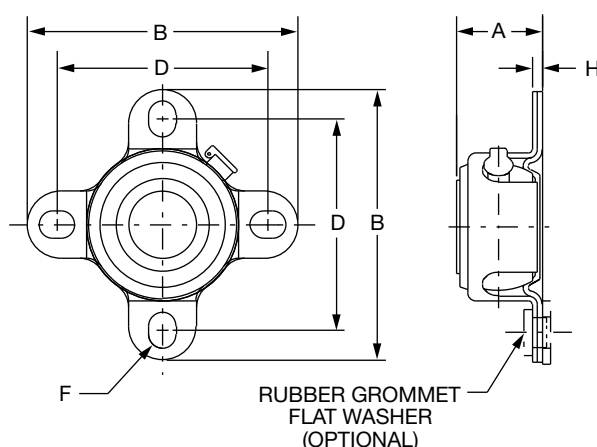


Sleeve Bearings - BRONZOIL

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-B0-008	0.60	1-1/4	4
5/8	035032	F4B-B0-010			
3/4	035033	F4B-B0-012			
7/8	035034	F4B-B0-014	0.50	1-1/4	4
15/16	035035	F4B-B0-013			
1	035036	F4B-B0-100			
1-3/16	035116	F4B-B0-103	1.30	1-7/8	3-5/8
1-1/4	035117	F4B-B0-104	1.20	1-29/32	3-5/8

Shaft Size	D	F Bolt	H	STYLE
1/2	3-1/8	3/8	5/32	B
5/8				
3/4				
7/8	3-1/8	3/8	5/32	B
15/16				
1				
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.

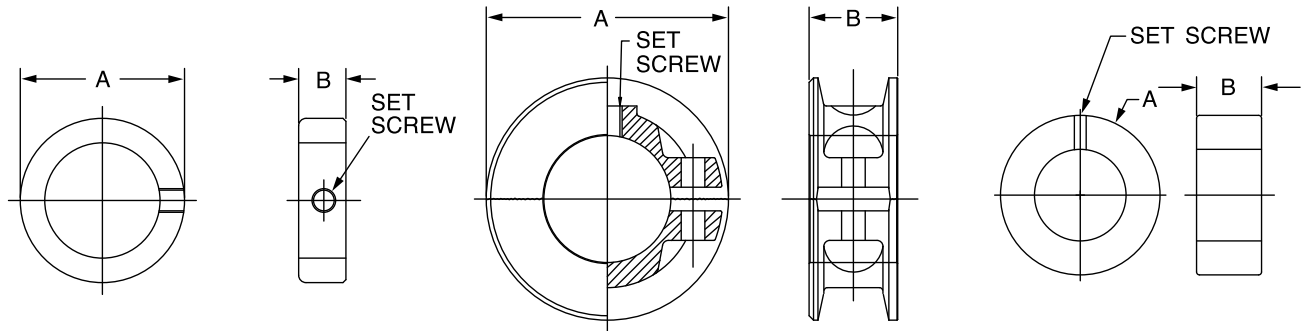
◆ No Published Metric Dimensions For This Product

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SELECTION/DIMENSIONS

Shaft Collars



Solid Steel							Solid Iron					Split Iron				
Shaft Size	Part Number *		Dimensions				Shaft Size	Part Number	Dimensions			Shaft Size	Part Number	Dimensions		
	Steel	Stainless	O.D. (A)	Width (B)	Screw	Wt.			O.D. (A)	Width (B)	Wt.			O.D. (A)	Width (B)	Wt.
1/8	-----	456225	0.36	0.25	#6	0.01	1-15/16	010020	3.38	1.38	2.5	1-1/8	010075	3.13	1.25	1.3
3/16	040001	456226	0.44	0.25	#8	0.01	2	010021	3.38	1.38	2.5	1-3/16	010076	3.13	1.25	1.3
1/4	040002	456227	0.50	0.28	#10	0.01	2-3/16	010024	3.75	1.38	3.0	1-1/4	010077	3.13	1.25	1.3
5/16	040003	456228	0.63	0.34	#10	0.01	2-7/16	010028	4.25	1.50	4.3	1-5/16	010078	3.38	1.44	1.8
3/8	040004	456229	0.75	0.38	1/4	0.01	2-1/2	010029	4.25	1.50	4.3	1-7/16	010080	3.38	1.44	1.8
7/16	040005	-----	0.88	0.44	1/4	0.05	2-11/16	010032	4.75	1.50	5.0	1-1/2	010081	3.38	1.44	1.8
1/2	040006	456230	1.00	0.44	1/4	0.1	2-15/16	010036	5.00	1.63	5.6	1-11/16	010084	3.75	1.56	2.4
9/16	040007	-----	1.00	0.44	1/4	0.1	3-3/16	010039	5.50	1.63	7.0	1-3/4	010085	3.75	1.56	2.4
5/8	040008	456231	1.13	0.50	5/16	0.1	3-7/16	010043	5.75	1.75	7.6	1-15/16	010088	4.06	1.75	2.6
11/16	040009	-----	1.25	0.56	5/16	0.1	3-15/16	010048	6.50	1.88	10.0	2	010089	4.06	1.75	2.6
3/4	040010	456232	1.25	0.56	5/16	0.1	4-7/16	010051	7.25	2.00	12.0	2-3/16	010092	4.50	1.88	3.4
13/16	040011	-----	1.31	0.56	5/16	0.1	4-15/16	010054	8.00	2.13	16.3	2-1/4	010093	4.50	1.88	3.4
7/8	040012	456234	1.50	0.56	5/16	0.2	5-7/16	010055	8.75	2.13	18.5	2-7/16	010096	4.44	1.88	3.8
15/16	040013	-----	1.63	0.56	5/16	0.2	5-15/16	010056	9.25	2.25	23.0	2-1/2	010097	4.88	2.00	4.3
1	040014	456234	1.63	0.63	5/16	0.2	6	010057	9.25	2.25	23.0	2-11/16	010100	5.31	2.06	5.4
1-1/16	040015	-----	1.75	0.63	5/16	0.2	6-1/2	010058	10.00	2.25	25.0	2-15/16	010104	5.50	1.88	4.6
1-1/8	040016	456235	1.75	0.63	5/16	0.2	7	010059	10.50	3.38	32.0	3	010105	5.50	1.88	4.4
1-3/16	040017	-----	2.00	0.69	3/8	0.4	7-1/2	010060	11.38	2.50	35.0	3-3/16	010107	6.06	2.38	8.0
1-1/4	040018	456236	2.00	0.69	3/8	0.4	8	010061	12.13	2.88	45.0	3-7/16	010110	6.06	2.38	6.0
1-5/16	040019	-----	2.13	0.69	3/8	0.4	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.					3-11/16	010112	6.81	2.63	10.6
1-3/8	040020	-----	2.13	0.75	3/8	0.4						3-15/16	010114	7.00	2.75	9.0
1-7/16	040021	-----	2.25	0.75	3/8	0.5						4-7/16	010117	8.13	3.31	17.0
1-1/2	040022	456237	2.25	0.75	3/8	0.5						4-15/16	010120	8.50	3.25	20.8
1-9/16	040023	-----	2.50	0.81	3/8	0.7						5-7/16	010123	9.00	3.25	23.0
1-5/8	040024	-----	2.50	0.81	3/8	0.6						5-15/16	010126	9.50	3.25	23.7
1-11/16	040025	-----	2.50	0.81	3/8	0.6						6	010127	10.13	4.06	35.0
1-3/4	040026	456238	2.75	0.88	1/2	0.8						6-1/2	010128	11.00	4.25	41.0
1-7/8	040027	-----	2.75	0.88	1/2	0.8						7	010129	12.00	4.50	46.0
1-15/16	040028	-----	3.00	0.88	1/2	1.0						7-1/2	010130	12.94	4.69	56.0
2	040029	456239	3.00	0.88	1/2	1.0						8	010131	13.50	4.88	71.0
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.

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NOTES

