



S-2000

Features/Benefits	B8-3
Specification	B8-5
How To Order	B8-6
Nomenclature	B8-7
Selection	B8-9
Dimension	
Pillow Block.	B8-18
Flange Bearing	B8-26
Piloted Flange.	B8-32
Wide Slot Take-Up	B8-36
TP Take-Up.	B8-40
Bearing Insert.	B8-42
End Caps	B8-44
Interchange Chart	B8-46
Part Number Index	INDEX-1
Keyword Index.	INDEX-34

NOTES



D-LOK

Type E Family

Specialty Tapered

S-2000

UNISPHERE II

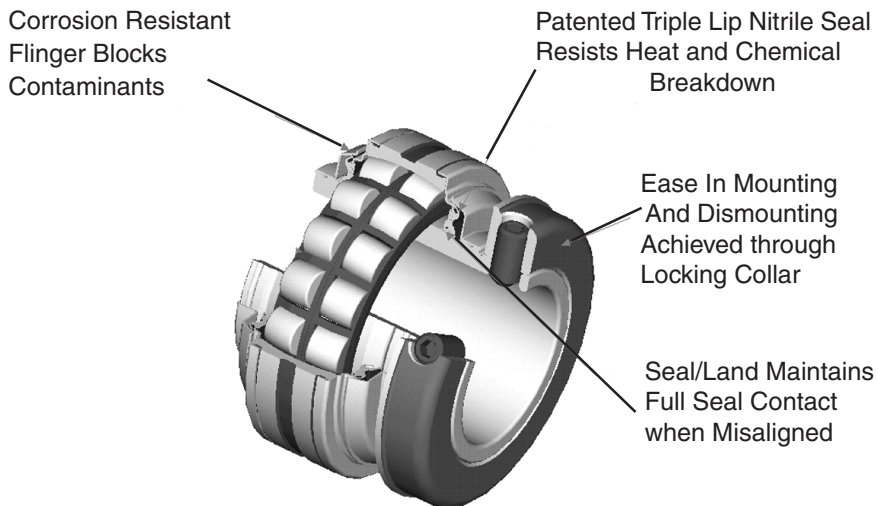


S-2000

Longer Bearing Life By Design . . .

High capacity double row spherical rollers offer up to 250% more L_{10} life than competitive brands

- Larger rollers
- More contact area
- Case-carburized inner rings resist cracking
- Static or dynamic misalignment up to $\pm 1^\circ$
- Expansion capability up to 3/8" (9.5mm)



Installation Savings . . .

- Factory lubed, sealed and adjusted, ready to slip onto the shaft
- 65° Springlok collar mount for increased holding power versus 90° or 120°
- Field convertible from non-expansion to expansion and expansion to non-expansion
- Elongated pillow block bolt holes to facilitate mounting



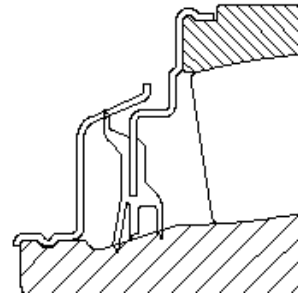
FEATURES/BENEFITS

S-2000

S-2000 Bearings Offer Patented Seal Options To Maximize Bearing Life . . .

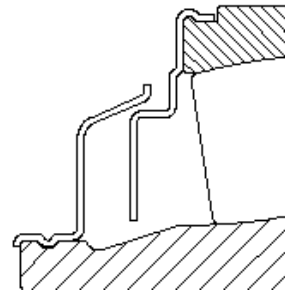
TRIDENT™ Seals for low to medium speed

- Face rubbing triple lip seal
- Flinger to shield seal and bearing from contamination/damage
- Seal/land positive contact up to $\pm 1^\circ$ degree of misalignment
- Patented design



Labyrinth seals for higher speeds

- High speed for relatively clean environments
- Flinger shields seal and bearing from contamination/damage
- Seal operates with up to $\pm 1^\circ$ degree of misalignment
- Patented design



SPECIFICATION



S-2000 INCH

DODGE Spherical Bearings, including S-2000 bearings, are general purpose, high-capacity, double-row spherical roller bearings. All are mounted in single piece precision machined housings. Bearings are mounted to shafts by means of set screw collars, with 65 degree set screw spacing for maximum clamping force.

ASTM A48 Class 30 cast iron is the standard material used in S-2000 housings. Housing designs are available for survival in extreme harsh environments, through the use of special finishes and stainless hardware.

Housings are available in a variety of standard configurations, including pillow blocks, flanges, piloted flanges and take-up bearings. TRIDENT triple lip contact seal and Labyrinth seals are available on S-2000 bearings.



D-LOK

Type E Family

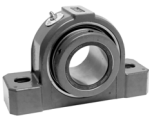
Speciality Tapered

S-2000

UNISPHERE II

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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HOW TO ORDER



S-2000

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

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B8-7 and add any special instructions to the end of the description for options not covered by the nomenclature.

DODGE Spherical Bearings are factory adjusted and pre-lubricated. For applications where extreme ambient temperatures, high speeds, or high loads are expected, a variety of specialty lubricants is available. Standard

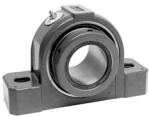
grease provided is lithium complex base Mobilith AW2. High temperature greases available include Moluballoy 896 HT and Mobilith SHC460. Other special lubricants are available upon request. Special lubricant options usually involve set-up charges, minimum quantities and list price premiums. To order, specify type of lubricant required at the end of the product name or after the standard part number.

Example: 070320 except with Mobilith SHC 460 grease
or
P2BS2108L except with Mobilith SHC 460 grease

For applications requiring modifications not listed, we encourage you to contact our Application Engineering Department for Bearings at 864-284-5700.

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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NOMENCLATURE



S-2000

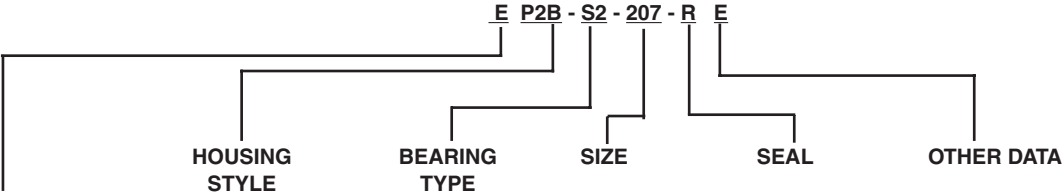
D-LOK

Type E Family

Speciality Tapered

S-2000

UNISPHERE II



“E” prefix denotes Type E dimensioned housing with S2000 spherical roller bearing insert *	P2B =	Pillow Block 2 Bolt Base, Cast Iron	S2 = S-2000	Inches and 16th 2 = 2” 07 = 7/16” 207 = 2-7/16”	R = TRIDENT Triple Lip Rubbing Seal L = Labyrinth Metallic Seal	E = Expansion Type Bearing - If “E” Does Not Appear, Bearing Is Non Expansion Type
	P4B =	Pillow Block 4 Bolt Base, Cast Iron				
	F3R =	Flange Bearing 3 Bolt, Cast Iron, Round				
	F4S =	Flange Bearing 4 Bolt, Cast Iron, Square				
	F4R =	Flange Bearing 4 Bolt, Cast Iron, Round				
	FC =	Piloted Flanged (Flanged Cartridge)				
	WSTU =	Wide Slot Take-Up Bearing For Use In Center-Pull Frames				
	TPHU =	TPHU Take-up Bearing For Use In TPHU Or Top Angle Take-Up Frames				

* Available in two or four bolt pillow blocks, four bolt square flanges, and piloted flanges

FEATURES/BENEFITS PAGE B8-3	HOW TO ORDER PAGE B8-6	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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FEATURES/BENEFITS

DODGE®

E-S2000



- Interchangeable with Type E style pillow blocks and flanges
- Same proven DODGE S2000 double row spherical insert
- 65° springlock collar mounting
- Up to $\pm 1^\circ$ misalignment capability
- Seal land on OD of inner ring maintains full contact pressure even when misaligned
- High capacity double row spherical bearing
- 2 bolt pillow blocks in sizes 1-3/8 to 3-7/16"
- 4 bolt pillow blocks in sizes 2-7/16 to 4-15/16"
- Flange bearings in sizes 1-3/8 to 4-7/16"
- Piloted flange bearings in sizes 1-3/8 to 4-15/16"



S-2000 SPHERICAL ROLLER BEARINGS

DODGE Spherical Roller Bearings have the capacity to carry heavy radial loads and combined radial and thrust loads. The maximum recommended load which can be applied is limited by various components in the system such as bearing, housing, shaft, shaft attachment, speed and life requirements as listed in this catalog. DODGE spherical roller bearings have been applied successfully even when these limits have been exceeded under controlled operating conditions. Contact DODGE Application Engineering (864-281-2195) for applications which exceed the recommendations of this catalog.

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

$$L_{10} \text{ Life, Hours} = \left(\frac{C}{P}\right)^{10/3} \times \left(\frac{16667}{\text{RPM}}\right)$$

Where: C = Dynamic Capacity (Table 1 on page B8-12)
lbs.

P = Equivalent Radial Load, lbs.

GENERAL

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

Thrust load values shown in the table below are recommended as a guide for general applications that will give adequate L₁₀ life. Spherical bearings require a radial load at least equal to the thrust load for proper operation. If the thrust load exceeds this limit, consult Application Engineering. Where substantial radial load is also present, it is advisable to calculate actual L₁₀ life to assure that it meets the requirements. The effectiveness of the shaft attachment to carry thrust load depends on proper

tightening of the set screws, shaft tolerance and shaft deflections. Therefore, it is advisable to use auxiliary thrust carrying devices such as shaft shoulder, snap ring or a thrust collar to locate the bearing under thrust loads heavier than shown below, or where extreme reliability is desired.

RPM	20-200	201-2000	over 2000
RECOMMENDED THRUST LOAD	C/20	C/40	C/60

The shaft tolerances recommended below are adequate for normal radial and radial/thrust load applications. The radial load is limited by the attachment to the shaft (see Table 1 on page B8-12). Where the applied radial load (FR) exceeds this limit (maximum allowable slip fit radial load), a snug-to-light press fit of the shaft is required. Since the allowable load, especially at a low speed, is very large, the shaft should be checked to assure adequate shaft strength.

The magnitude and direction of both the thrust and radial load must be taken into account when selecting a housing. **When pillow blocks are utilized, heavy loads should be directed through the base. Where uplift loads are involved, see Table 4 on page B8-16 and for maximum values.** Where a load pulls the housing away from the mounting base, both the hold-down bolts and housing must be of adequate strength. Auxiliary load carrying devices such as shear bars are advisable for side or end loading of pillow blocks and radial loads for flange units.

SHAFT TOLERANCES

SHAFT SIZE	S-2000
UP TO 1-1/2"	+.0000 -.0005"
1-9/16 TO 4"	+.000 -.001"
4-7/16 TO 5"	+.000 -.0015"

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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SELECTION



S-2000

BEARING SUPPORTING RADIAL LOADS ONLY

1. Define L_{10} Life Hours desired.
2. Establish bearing radial load, F_R
($F_R = P$ for Pure Radial Load Conditions). The DODGE program BEST™★ can be used to find application loads.
3. Establish RPM.

Using the easy selection Table 2 on page B8-13, find, under the RPM column, the equivalent radial load that equals or is slightly higher than the application radial load for the desired life. The shaft size on the far left will be the minimum shaft size that you can use for your application.

If the desired life is different than the values shown on the chart, use alternate Method A shown below.

Example: 1. L_{10} Life = 30,000 Hours

2. Radial load = 4000 lbs.

3. RPM = 1,000

At the intersection of the 1,000 RPM column and the 30,000 hours L_{10} life row, the equivalent radial load of 4011 lbs. exceeds the 4000 lbs. radial load for shaft size 2-7/16". A bearing with bore 2-7/16", or larger, may be used for this application.

ALTERNATE METHOD A - SELECTING A BEARING FOR AN L_{10} LIFE VALUE NOT SHOWN IN THE EASY SELECTION CHART.

The L_{10} life equation can be rearranged so that the bearing dynamic capacity C is identified in terms of L_{10} , RPM and P

$$C = \left(\frac{L_{10} \times \text{RPM}}{16667} \right)^{0.3} \times P$$

($P = F_R$ for Pure Radial Load Conditions)

★The DODGE Bearing Evaluation and Selection Technique (BEST) is a menu driven computer program that calculates bearing loads, fatigue life and operating temperature for a two bearing shaft system based on user supplied input parameters. To order, call (864) 297-4800.

Since the L_{10} , RPM and P are known, solve for C . Select from the dynamic capacity column on Table 1 on page B8-12 the C value equal to or greater than the C value just calculated. The bore size on the far left represents the proper bore size selection. Check that the application RPM does not exceed the MAX. RPM on Table 1. Also check that the radial load does not exceed the Maximum Allowable Slip Fit Radial Load shown on Table 1 on page B8-12. If it does, a line-to-line to light press fit of shaft is required. When selecting an L_{10} life of less than 30,000 hours, particular attention must be paid to shaft deflection and proper lubricant selection.

SELECTING BEARINGS SUPPORTING COMBINATION RADIAL AND THRUST LOADS

When a bearing supports both a radial load and a thrust load, the loading on the two rows is shared unequally depending on the ratio of thrust to radial load. The use of the X (radial factor) and Y (thrust factor) from Table 1 converts the applied thrust load and radial loads to an equivalent radial load having the same effect on the life of the bearing as a radial load of this magnitude.

The equivalent radial load $P = XF_R + YF_A$

Where:

P = Equivalent radial load, lbs.

F_R = Radial load, lbs. (see Table 1 for allowable slip fit maximum load)

F_A = Thrust (axial) load, lbs.

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

X = Radial load factor (Table 1)

Y = Thrust load factor (Table 1)

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
--------------------------------	---------------------------	-------------------------	----------------------------------



S-2000

To find X and Y, calculate F_A/F_R and compare to **e** for the selected bore size. Determine X and Y from Table 1 on page B8-12 depending on whether F_A/F_R is equal to or less than **e**, or F_A/F_R is greater than **e**. Substitute all known values into the equivalent radial load equation. P (equivalent radial load) can be used in the life formula to determine L_{10} , or it can be compared to the allowable equivalent radial load ratings for the speed and hours life desired in the easy selection Table 2 on page B8-13

SELECTING BEARINGS SUPPORTING ONLY THRUST LOADS

Spherical Roller Bearings generally are not recommended for pure thrust load applications. However, they will perform satisfactorily under very light pure thrust loads. Consult DODGE Application Engineering (864-281-2195).

SELECTING LUBRICATION

DODGE S-2000 spherical roller bearings are lubricated at the factory with Mobilith AW2 grease. Mobilith AW2 grease is a superior industrial grease using a lithium complex thickener and highly refined base oil. This grease will adequately handle low and medium speeds with low and medium loads at normal temperatures as defined on Table 3 on page B8-15. For very low and high speeds, for heavy loads and for low and high temperatures, special greases must be used. Contact DODGE Application Engineering (864-281-2195). DODGE engineers will

recommend bearings and lubricants for the above unusual conditions. DODGE also has the expertise to custom design and build special bearings for your needs. The only maintenance requirement for DODGE Unitized roller bearings is periodic relubrication at regular intervals as outlined in the appropriate instruction manuals.

MISALIGNMENT CONSIDERATIONS

In nearly all applications, good design practice requires two bearings supporting the shaft. In cases where three or more bearings are installed, unless precautions are taken to line the bearings up both vertically and horizontally, it is possible to induce heavy loads. In the case of two bearings, alignment is not as critical, especially with DODGE Unitized Spherical Roller Bearings. S-2000 bearings are designed to allow a maximum of $\pm 1^\circ$ of static and dynamic misalignment. However, for optimum seal performance, misalignment should be kept under $\pm 0.5^\circ$. To ensure good alignment, mounting surfaces must be checked for flatness and must lie in the same plane. When tightening base bolts, each bolt should be alternately tightened in incremental torque values until full torque is achieved to prevent the angular shifting of the pillow block that occurs when one bolt is tightened to its full torque. Shimmiing may be required to minimize misalignment.

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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S-2000

Table 1: S-2000 Spherical Roller Bearings

Shaft Size Inches	Basic Bearing Description	e	$F_A/F_R < e$		$F_A/F_R > e$		Max. Allowable Slip Fit Radial Load F_R^* Pounds	Dynamic Capacity (C) Pounds	Static Capacity Co	Maximum Speed **	
			X	Y	X	Y				Labyrinth RPM	TRIDENT Triple Lip RPM
1-3/8 1-7/16 1-1/2	22208	0.28	1.0	2.4	0.67	3.6	3,750	20,800	21,200	3,600	2,900
1-11/16 1-3/4	22209	0.26	1.0	2.6	0.67	3.9	3,750	20,800	23,600	3,360	2,460
1-15/16 2	22210	0.24	1.0	2.8	0.67	4.2	4,000	22,000	26,500	3,180	2,200
2-3/16	22211	0.23	1.0	2.9	0.67	4.3	4,860	27,000	32,500	2,700	1,950
2-7/16	22213	0.24	1.0	2.8	0.67	4.2	6,840	39,000	47,500	2,250	1,740
2-11/16 2-15/16 3	22215	0.22	1.0	3.1	0.67	4.6	7,500	41,500	53,000	2,040	1,490
3-7/16	22218	0.23	1.0	2.9	0.67	4.3	11,500	65,500	81,500	1,560	1,280
3-15/16	22220	0.24	1.0	2.8	0.67	4.2	14,400	83,000	104,000	1,320	1,075
4-7/16	22222	0.25	1.0	2.7	0.67	4.1	18,400	104,000	132,000	1,200	990
4-15/16	22226	0.26	1.0	2.6	0.67	3.9	25,700	146,000	196,000	1,020	870

* If load exceeds the maximum allowable slip fit load, line- to-line to light press fit of shaft required. Maximum slip fit radial loads apply if recommended shaft sizes are used.

** Maximum speed is dependent on load and ambient conditions, consult DODGE Engineering.



S-2000

Table 2: Easy Selection Table for S-2000 Double Row Spherical Roller Bearings

Shaft Size	L10 Life	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																
Inches	Hours	50	100	150	250	500	870	1,020	1,200	1,320	1,560	1,750	2,040	2,250	2,700	3180	3360	3600
1-3/8 to 1-1/2	10,000	7,209	6,090	5,393	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,581	2,465	2,393	1,495	2,157	2,122	2,078
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,078	2,020	1,921	1,856	1,773	1,721	1,495	1,552	1,526	1,495
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,907	1,853	1,762	1,703	1,626	1,579	1,495	1,423	1,400	1,371
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,688	1,641	1,560	1,508	1,440	1,398	1,324	1,260	1,240	1,214
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,448	1,407	1,339	1,293	1,235	1,199	1,136	1,081	1,063	1,042
1-11/16 to 1-3/4	10,000	7,498	6,090	5,393	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,581	2,465	1,579	2,266	2,157	2,122	
	30,000	5,393	4,380	3,878	3,327	2,703	2,289	2,182	2,078	2,020	1,921	1,856	1,773	1,579	1,630	1,552	1,526	
	40,000	4,947	4,018	3,558	3,052	2,479	2,100	2,002	1,907	1,853	1,762	1,703	1,626	1,579	1,495	1,423	1,400	
	60,000	4,380	3,558	3,150	2,703	2,195	1,859	1,773	1,688	1,641	1,560	1,508	1,440	1,398	1,324	1,260	1,240	
	100,000	3,758	3,052	2,703	2,319	1,883	1,595	1,521	1,448	1,407	1,339	1,293	1,235	1,199	1,136	1,081	1,063	
1-15/16 to 2	10,000	7,930	6,441	5,704	4,893	3,975	3,366	3,209	3,057	2,970	2,825	2,729	1,720	2,531	2,396	2,282		
	30,000	5,704	4,633	4,102	3,519	2,859	2,421	2,308	2,198	2,136	2,032	1,963	1,720	1,820	1,724	1,641		
	40,000	5,232	4,250	3,763	3,228	2,622	2,221	2,117	2,017	1,960	1,864	1,801	1,720	1,670	1,581	1,505		
	60,000	4,633	3,763	3,332	2,859	2,322	1,966	1,875	1,786	1,735	1,650	1,594	1,523	1,479	1,400	1,333		
	100,000	3,975	3,228	2,859	2,452	1,992	1,687	1,608	1,532	1,489	1,416	1,368	1,306	1,269	1,201	1,144		
2-3/16	10,000	9,733	7,905	7,000	6,005	4,878	4,131	3,939	3,751	3,645	3,467	2,210	3,199	3,106	2,941			
	30,000	7,000	5,686	5,035	4,319	3,508	2,971	2,833	2,698	2,622	2,494	2,210	2,301	2,234	2,115			
	40,000	6,421	5,216	4,618	3,962	3,218	2,726	2,599	2,475	2,405	2,288	2,210	2,111	2,050	1,940			
	60,000	5,686	4,618	4,089	3,508	2,850	2,413	2,301	2,191	2,130	2,026	1,957	1,869	1,815	1,718			
	100,000	4,878	3,962	3,508	3,010	2,445	2,070	1,974	1,880	1,827	1,738	1,679	1,603	1,557	1,474			
2-7/16	10,000	13,698	11,126	9,852	8,452	6,865	5,814	5,543	5,279	5,131	3,219	4,714	4,502	4,372				
	30,000	9,852	8,002	7,086	6,079	4,938	4,182	3,987	3,797	3,690	3,219	3,391	3,238	3,144				
	40,000	9,037	7,340	6,500	5,576	4,529	3,836	3,657	3,483	3,385	3,219	3,110	2,971	2,884				
	60,000	8,002	6,500	5,755	4,938	4,011	3,397	3,238	3,084	2,997	2,851	2,754	2,630	2,554				
	100,000	6,865	5,576	4,938	4,236	3,441	2,914	2,778	2,646	2,571	2,446	2,363	2,257	2,191				
2-11/16 to 3	10,000	14,959	12,151	10,759	9,230	7,497	6,350	6,054	5,766	3,697	5,329	5,149	4,917					
	30,000	10,759	8,739	7,738	6,639	5,392	4,567	4,354	4,147	3,697	3,833	3,703	3,537					
	40,000	9,870	8,017	7,098	6,090	4,946	4,189	3,994	3,804	3,697	3,516	3,397	3,244					
	60,000	8,739	7,098	6,285	5,392	4,380	3,709	3,537	3,368	3,273	3,113	3,008	2,873					
	100,000	7,497	6,090	5,392	4,626	3,758	3,182	3,034	2,890	2,808	2,671	2,580	2,464					
3-7/16	10,000	23,611	19,178	16,981	14,569	11,833	10,022	9,555	6,004	8,844	8,411							
	30,000	16,981	13,793	12,213	10,478	8,511	7,208	6,872	6,004	6,360	6,050							
	40,000	15,577	12,653	11,203	9,612	7,807	6,612	6,304	6,004	5,835	5,549							
	60,000	13,793	11,203	9,920	8,511	6,913	5,855	5,582	5,316	5,166	4,914							
	100,000	11,833	9,612	8,511	7,302	5,931	5,023	4,789	4,561	4,432	4,216							

Only the labyrinth seal (L seal) may be used to the right of the heavy line.

In the light shaded area, a line-to-line to light press fit on the shaft is required.

For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the L_{10} shown at the left.

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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S-2000

Table 2: Easy Selection Table for S-2000 Double Row Spherical Roller Bearings (continued)

Shaft Size Inches	L10 Life Hours	Allowable Equivalent Radial Load Rating (lbs.) at Various Revolutions per Minute																
		50	100	150	250	500	870	1,020	1,200	1,320	1,560	1,750	2,040	2,250	2,700	3180	3360	3600
3-15/16	10,000	29,919	24,302	21,518	18,461	14,995	12,699	7,988	11,531	11,206								
	30,000	21,518	17,478	15,476	13,278	10,785	9,134	7,988	8,294	8,060								
	40,000	19,739	16,033	14,197	12,180	9,893	8,378	7,988	7,608	7,393								
	60,000	17,478	14,197	12,571	10,785	8,760	7,419	7,073	6,737	6,547								
	100,000	14,995	12,180	10,785	9,252	7,515	6,365	6,068	5,779	5,616								
4-7/16	10,000	37,489	30,450	26,963	23,132	18,789	10,498	15,171	14,449									
	30,000	26,963	21,901	19,392	16,637	13,513	10,498	10,911	10,392									
	40,000	24,733	20,090	17,789	15,261	12,396	10,498	10,009	9,533									
	60,000	21,901	17,789	15,751	13,513	10,976	9,296	8,863	8,441									
	100,000	18,789	15,261	13,513	11,593	9,417	7,975	7,603	7,242									
4-15/16	10,000	52,628	42,747	37,851	32,473	26,377	14,738	21,298										
	30,000	37,851	30,745	27,224	23,356	18,971	14,738	15,318										
	40,000	34,722	28,203	24,973	21,424	17,402	14,738	14,051										
	60,000	30,745	24,973	22,112	18,971	15,409	13,050	12,442										
	100,000	26,377	21,424	18,971	16,275	13,220	11,196	10,674										

Only the labyrinth seal (L seal) may be used to the right of the heavy line.

In the light shaded area, a line-to-line to light press fit on the shaft is required.

For applications in the dark shaded area, the maximum load for the specific speed is shown. The load does not correspond to the L₁₀ shown at the left.



S-2000

Table 3: Definition Of Operating Conditions For Unitized Spherical Roller Bearings

LOW SPEED	UP TO 20% OF MAX. RPM (TABLE 1)
MEDIUM SPEED	OVER 20% TO 80% OF MAX. RP
HIGH SPEED	MOVER 80% OF MAX. RPM
LIGHT LOAD	UP TO 8% OF C (TABLE 1)
NORMAL LOAD	OVER 8% TO 18% OF C
HEAVY LOAD	OVER 18% OF C
	C = DYNAMIC CAPACITY
LOW TEMPERATURE	-20 to -100°F
MEDIUM TEMPERATURE	OVER 20°F TO 200°F
HIGH TEMPERATURE	OVER 200°F TO 250°F

D-LOK

Type E Family

Speciality Tapered

S-2000

UNISPHERE II

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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SELECTION



S-2000

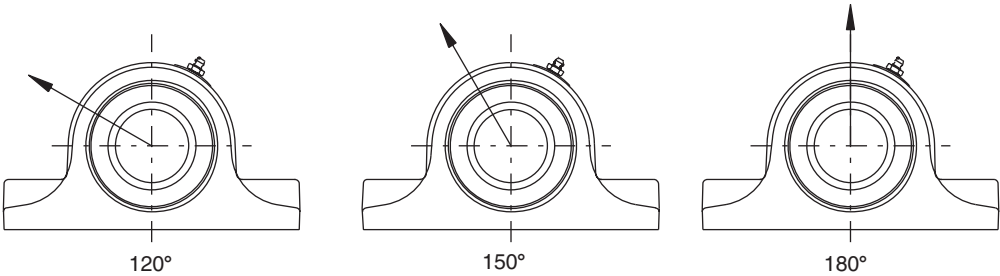


Table 4: S-2000 Housing Rating, 2-Bolt, Cast Iron*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120°	150°	180°
1-3/8 to 1-1/2	2110	2640	3100
1-5/8 to 1-3/4	2380	2980	3500
1-15/16 to 2	3130	3910	4600
2-3/16	3330	4160	4900
2-7/16	3330	4160	4900
2-11/16 to 3	4420	5520	6500
3-3/16 to 3-7/16	4620	5780	6800
3-15/16	7500	9350	11000

- * When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures:
1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
 2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
 3. In all cases where loads are heavy, the L_{10} life of the bearing should be checked for proper selection and life requirements.

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	DIMENSION PAGE B8-18	INTERCHANGE CHARTS PAGE B8-46
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S-2000

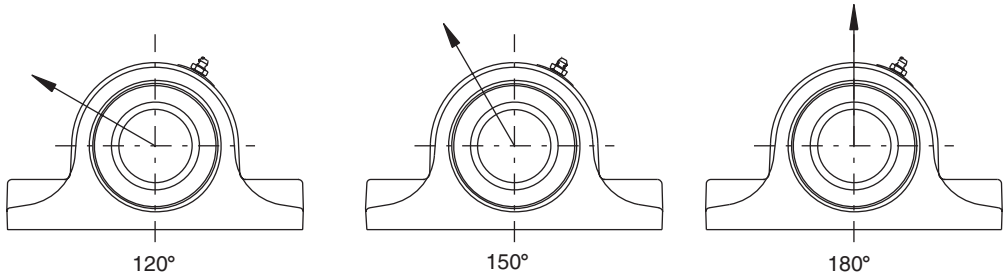
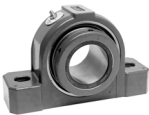


Table 5: S-2000 Housing Rating, 4-Bolt, Cast Iron*

Bore Size	Maximum Recommended Housing Cap Loads, lb		
	120°	150°	180°
1-15/16 - 2	3200	4000	4700
2-3/16	3300	4100	4800
2-7/16	3810	4760	5600
2-11/16 to 3	4620	5780	6800
3-7/16	4700	5870	6900
3-15/16	7500	9350	11000
4-7/16	9900	12330	14500
4-15/16	13400	16750	19700

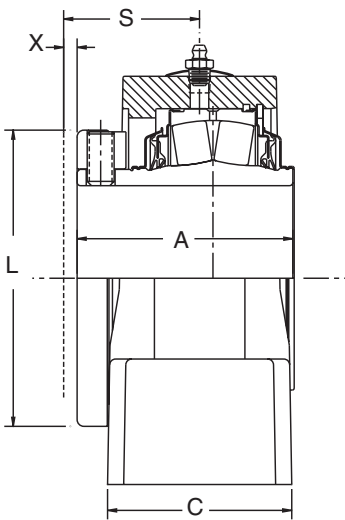
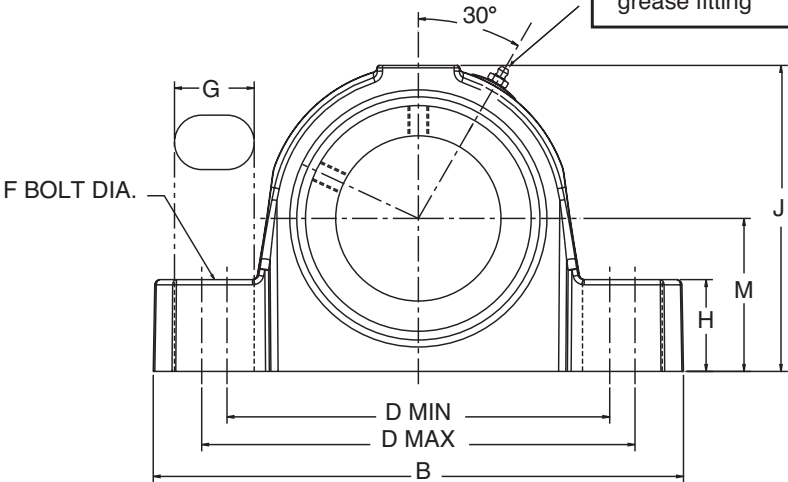
- * When utilizing heavy cap loads on pillow block housings, the installation must adhere to the following procedures:
1. The pillow block base bolts must be of high strength (Grade 8) bolts and properly tightened to mounting structure.
 2. Stop bars (shear strips) should be used against the plummer block where side loads are encountered.
 3. In all cases where loads are heavy, the L_{10} life of the bearing should be checked for proper selection and life requirements.

DIMENSIONS

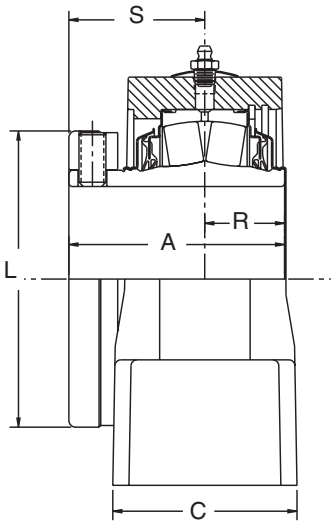


S-2000 Pillow Block
2-BOLT BASE - INCH

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Pillow Block 2-BOLT BASE - INCH

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	070272	P2B-S2-106R	070295	P2B-S2-106RE	070318	P2B-S2-106L	070341	P2B-S2-106LE
	1-7/16	070273	P2B-S2-107R	070296	P2B-S2-107RE	070319	P2B-S2-107L	070342	P2B-S2-107LE
	1-1/2	070274	P2B-S2-108R	070297	P2B-S2-108RE	070320	P2B-S2-108L	070343	P2B-S2-108LE
22209	1-11/16	070276	P2B-S2-111R	070299	P2B-S2-111RE	070322	P2B-S2-111L	070345	P2B-S2-111LE
	1-3/4	070277	P2B-S2-112R	070300	P2B-S2-112RE	070323	P2B-S2-112L	070346	P2B-S2-112LE
22210	1-15/16	070278	P2B-S2-115R	070301	P2B-S2-115RE	070324	P2B-S2-115L	070347	P2B-S2-115LE
	2	070279	P2B-S2-200R	070302	P2B-S2-200RE	070325	P2B-S2-200L	070348	P2B-S2-200LE
22211	2-3/16	070280	P2B-S2-203R	070303	P2B-S2-203RE	070326	P2B-S2-203L	070349	P2B-S2-203LE
22213	2-7/16	070282	P2B-S2-207R	070305	P2B-S2-207RE	070328	P2B-S2-207L	070351	P2B-S2-207LE
22215	2-11/16	070284	P2B-S2-211R	070307	P2B-S2-211RE	070330	P2B-S2-211L	070353	P2B-S2-211LE
	2-15/16	070285	P2B-S2-215R	070308	P2B-S2-215RE	070331	P2B-S2-215L	070354	P2B-S2-215LE
	3	070286	P2B-S2-300R	070309	P2B-S2-300RE	070332	P2B-S2-300L	070355	P2B-S2-300LE
22218	3-7/16	070288	P2B-S2-307R	070311	P2B-S2-307RE	070334	P2B-S2-307L	070357	P2B-S2-307LE
22220	3-15/16	070290	P2B-S2-315R	070313	P2B-S2-315RE	070336	P2B-S2-315L	070359	P2B-S2-315LE

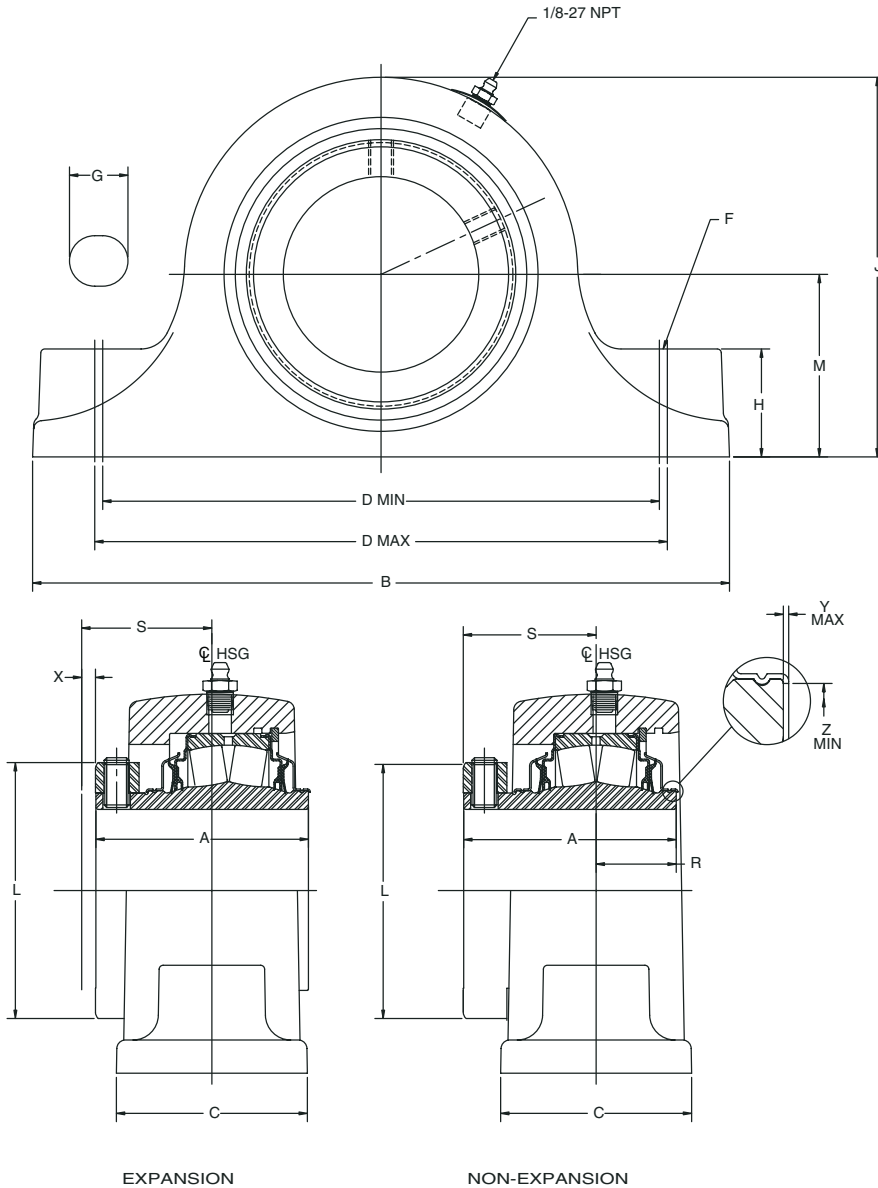
SHAFT SIZE	A	B	C	D		F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX									
1-3/8														
1-7/16	2-17/32	6-7/8	1-61/64	4-13/16	5-13/64	1/2	13/16	1-1/8	3-7/8	2-3/4	1-7/8	7/8	1-21/32	3/16
1-1/2														
1-11/16	2-43/64	7-3/8	2-1/16	5-5/16	5-45/64	1/2	13/16	1-1/4	4-17/64	3-3/16	2-1/8	13/16	1-55/64	1/4
1-3/4														
1-15/16	2-27/32	8-3/8	2-1/2	6-1/16	6-7/16	5/8	61/64	1-5/16	4-9/16	3-7/16	2-1/4	55/64	1-63/64	1/4
2														
2-3/16	2-15/16	8-7/8	2-5/8	6-9/16	6-15/16	5/8	61/64	1-1/2	5	3-3/4	2-1/2	29/32	2-1/32	1/4
2-7/16	3-13/64	9-1/4	2-55/64	6-15/16	7-5/16	5/8	61/64	1-5/8	5-19/32	4-1/16	2-3/4	1-7/32	1-63/64	1/4
2-11/16														
2-15/16	3-19/32	10-7/16	3-5/64	7-15/16	8-5/16	3/4	1-1/16	1-7/8	6-3/8	4-45/64	3-1/4	1-15/64	2-23/64	1/4
3														
3-7/16	4-1/64	13	3-27/64	9-3/8	10-5/8	7/8	1-5/8	2-1/4	7-1/2	5-1/2	3-3/4	1-7/16	2-37/64	1/4
3-15/16	4-15/32	15-1/4	3-29/32	10-5/8	12-7/8	1	2-1/4	2-7/16	8-3/8	6	4-1/4	1-41/64	2-53/64	5/16

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS

DODGE®


S-2000 Pillow Block with Type E Dimensions 2 BOLT


 FEATURES/BENEFITS
PAGE B8-3

 NOMENCLATURE
PAGE B8-7

 SELECTION
PAGE B8-9

 INTERCHANGE CHARTS
PAGE B8-46

DIMENSIONS



S-2000 Pillow Block with Type E Dimensions 2 BOLT

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	071389	EP2B-S2-106R	071400	EP2B-S2-106RE	071411	EP2B-S2-106L	071422	EP2B-S2-106LE
	1-7/16	071390	EP2B-S2-107R	071401	EP2B-S2-107RE	071412	EP2B-S2-107L	071423	EP2B-S2-107LE
22209	1-11/16	071391	EP2B-S2-111R	071402	EP2B-S2-111RE	071413	EP2B-S2-111L	071424	EP2B-S2-111LE
22210	1-15/16	071392	EP2B-S2-115R	071403	EP2B-S2-115RE	071414	EP2B-S2-115L	071425	EP2B-S2-115LE
	2	071393	EP2B-S2-200R	071404	EP2B-S2-200RE	071415	EP2B-S2-200L	071426	EP2B-S2-200LE
22211	2-3/16	071394	EP2B-S2-203R	071405	EP2B-S2-203RE	071416	EP2B-S2-203L	071427	EP2B-S2-203LE
22213	2-7/16	071395	EP2B-S2-207R	071406	EP2B-S2-207RE	071417	EP2B-S2-207L	071428	EP2B-S2-207LE
22215	2-11/16	071396	EP2B-S2-211R	071407	EP2B-S2-211RE	071418	EP2B-S2-211L	071429	EP2B-S2-211LE
	2-15/16	071397	EP2B-S2-215R	071408	EP2B-S2-215RE	071419	EP2B-S2-215L	071430	EP2B-S2-215LE
	3	071398	EP2B-S2-300R	071409	EP2B-S2-300RE	071420	EP2B-S2-300L	071431	EP2B-S2-300LE
22218	3-7/16	071399	EP2B-S2-307R	071410	EP2B-S2-307RE	071421	EP2B-S2-307L	071432	EP2B-S2-307LE

*CONSULT DODGE FOR SIZES NOT LISTED

Shaft Size	A	B#	C#	D Min	D Max	F Bolt Dia.	G#	H#	J#	L	M	R	S	X Total Exp.	Y	Z	Set Screw Size	S/S Torque In/lbs
1-3/8	2.53	7.37	2.12	5.63	5.88	1/2	0.75	1.13	3.85	2.55	1.875	1.03	1.50	0.16	0.020	1.80	5/16-18	165
1-7/16	2.67	7.88	2.38	6.13	6.38	1/2	0.75	1.25	4.25	3.01	2.125	0.98	1.69	0.19	0.020	2.08	5/16-18	165
1-11/16	2.84	8.87	2.49	6.88	7.12	5/8	0.88	1.31	4.47	3.26	2.250	1.08	1.76	0.22	0.020	2.30	3/8-16	290
2	2.94	9.62	2.56	7.63	7.88	5/8	0.88	1.50	5.00	3.50	2.500	1.06	1.88	0.25	0.025	2.60	3/8-16	290
2-3/16	3.20	10.50	2.87	8.38	8.62	5/8	0.88	1.63	5.71	3.86	2.750	1.20	2.00	0.25	0.025	2.95	3/8-16	290
2-7/16	3.59	12.00	2.99	9.31	9.69	3/4	1.07	1.88	6.32	4.61	3.125	1.34	2.25	0.25	0.025	3.47	1/2-13	620
2-11/16	4.01	14.00	3.49	10.81	11.19	7/8	1.19	2.25	7.69	5.50	3.750	1.51	2.50	0.25	0.025	4.05	1/2-13	620
2-15/16																		
3																		
3-7/16																		

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

REFERENCE DIMENSION ONLY

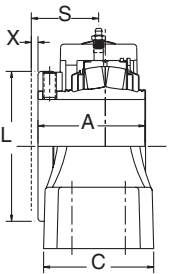
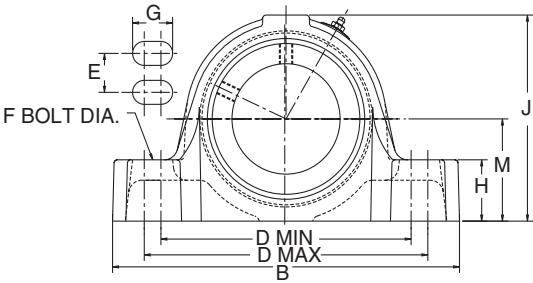
FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



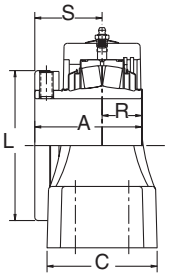
S-2000 Pillow Block 4-BOLT BASE

NOTE: All sizes use a 1/8-27
NPT hydraulic
grease fitting



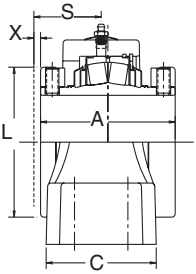
1-15/16 TRU 3-15/16"
CONSTRUCTION

EXPANSION



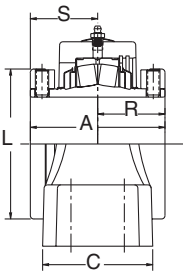
1-15/16 TRU 3-15/16"
CONSTRUCTION

NON-EXPANSION



4-7/16 THRU 4-15/16"
CONSTRUCTION

EXPANSION



4-7/16 THRU 4-15/16"
CONSTRUCTION

NON-EXPANSION

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Pillow Block 4-BOLT BASE

D-LOK

Type E Family

Specialty Tapered

S-2000

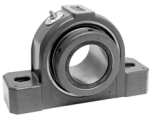
UNISPHERE II

Bear- ing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22210	1-15/16 2	070361	P4B-S2-115R	070379	P4B-S2-115RE	070397	P4B-S2-115L	070415	P4B-S2-115LE
		070362	P4B-S2-200R	070380	P4B-S2-200RE	070398	P4B-S2-200L	070416	P4B-S2-200LE
22211	2-3/16	070363	P4B-S2-203R	070381	P4B-S2-203RE	070399	P4B-S2-203L	070417	P4B-S2-203LE
22213	2-7/16	070365	P4B-S2-207R	070383	P4B-S2-207RE	070401	P4B-S2-207L	070419	P4B-S2-207LE
22215	2-11/16	070367	P4B-S2-211R	070385	P4B-S2-211RE	070403	P4B-S2-211L	070421	P4B-S2-211LE
	2-15/16	070368	P4B-S2-215R	070386	P4B-S2-215RE	070404	P4B-S2-215L	070422	P4B-S2-215LE
	3	070369	P4B-S2-300R	070387	P4B-S2-300RE	070405	P4B-S2-300L	070423	P4B-S2-300LE
22218	3-7/16	070371	P4B-S2-307R	070389	P4B-S2-307RE	070407	P4B-S2-307L	070425	P4B-S2-307LE
22220	3-15/16	070373	P4B-S2-315R	070391	P4B-S2-315RE	070409	P4B-S2-315L	070427	P4B-S2-315LE
22222	4-7/16	070375	P4B-S2-407R	070393	P4B-S2-407RE	070411	P4B-S2-407L	070429	P4B-S2-407LE
22226	4-15/16	070377	P4B-S2-415R	070395	P4B-S2-415RE	070413	P4B-S2-415L	070431	P4B-S2-415LE

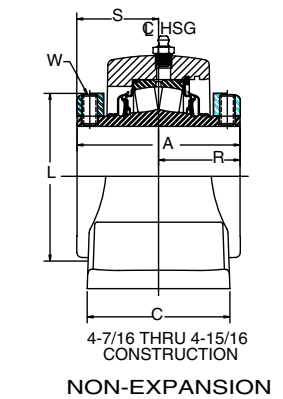
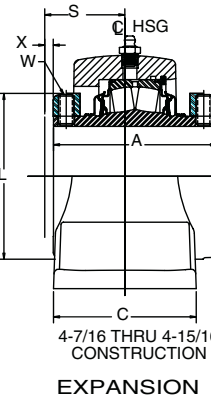
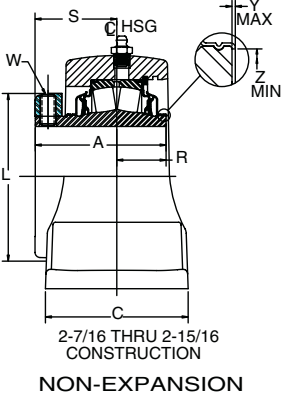
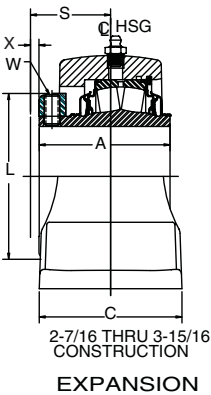
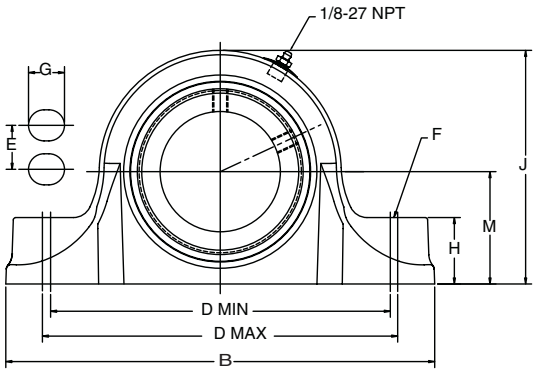
SHAFT SIZE	A	B	C	D		E	F BOLT DIA.	G	H	J	L	M	R	S	X TOTAL EXP.
				MIN	MAX										
1-15/16 2	2-27/32	8	3-3/16	6-1/16	6-7/16	1-19/32	1/2	13/16	1-5/16	4-9/16	3-7/16	2-1/4	27/32	2	1/4
2-3/16	2-15/16	8-7/8	3-1/4	6-9/16	6-15/16	1-11/16	1/2	13/16	1-1/2	5	3-3/4	2-1/2	29/32	2-1/32	1/4
2-7/16	3-13/64	9-1/4	3-3/8	6-15/16	7-5/16	1-3/4	1/2	13/16	1-5/8	5-19/32	4-1/16	2-3/4	1-5/64	2-1/8	1/4
2-11/16	3-19/32	10-7/16	3-3/4	7-15/16	8-5/16	1-7/8	5/8	15/16	1-7/8	6-7/16	4-45/64	3-1/4	1-3/32	2-1/2	1/4
2-15/16															
3															
3-7/16	4-1/64	13	4-1/8	9-3/8	10-5/8	2	3/4	1-1/2	2-1/4	7-9/16	5-1/2	3-3/4	1-7/16	2-37/64	1/4
3-15/16	4-15/32	15-1/4	4-1/2	12-1/8	12-7/8	2-1/4	3/4	1-1/4	2-7/16	8-7/16	6	4-1/4	1-41/64	2-53/64	5/16
4-7/16	6-17/32	16-1/2	4-3/4	13	14	2-1/2	3/4	1-3/8	2-3/4	9-5/8	6-29/64	4-3/4	3-5/64	3-29/64	3/8
4-15/16	6-29/32	18-5/8	5-3/8	15	16	2-3/4	7/8	1-1/2	3	11-1/8	7-29/64	5-1/2	3-17/64	3-41/64	3/8

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Pillow Block With Type E Dimensions 4 BOLT



FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Pillow Block With Type E Dimensions 4 BOLT

Bearing Series	SHAFT SIZE*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22213	2-7/16	071433	EP4B-S2-207R	071441	EP4B-S2-207RE	071449	EP4B-S2-207L	071457	EP4B-S2-207LE
22215	2-11/16	071434	EP4B-S2-211R	071442	EP4B-S2-211RE	071450	EP4B-S2-211L	071458	EP4B-S2-211LE
	2-15/16	071435	EP4B-S2-215R	071443	EP4B-S2-215RE	071451	EP4B-S2-215L	071459	EP4B-S2-215LE
	3	071436	EP4B-S2-300R	071444	EP4B-S2-300RE	071452	EP4B-S2-300L	071460	EP4B-S2-300LE
22218	3-7/16	071437	EP4B-S2-307R	071445	EP4B-S2-307RE	071453	EP4B-S2-307L	071461	EP4B-S2-307LE
22220	3-15/16	071438	EP4B-S2-315R	071446	EP4B-S2-315RE	071454	EP4B-S2-315L	071462	EP4B-S2-315LE
22222	4-7/16	071439	EP4B-S2-407R	071447	EP4B-S2-407RE	071455	EP4B-S2-407L	071463	EP4B-S2-407LE
22226	4-15/16	071440	EP4B-S2-415R	071448	EP4B-S2-415RE	071456	EP4B-S2-415L	071464	EP4B-S2-415LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B#	C#	D		E	F BOLT DIA.	G #	H #	J #	L	M	R	S	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
				MIN	MAX														
2-7/16	3.20	10.50	3.49	8.31	8.69	1.87	5/8	0.87	1.63	5.72	3.86	2.750	1.20	2.00	0.25	0.025	2.94	3/8	290
2-11/16	3.59	12.00	4.00	9.18	9.82	2.13	5/8	1.00	1.88	6.33	4.61	3.125	1.34	2.25	0.25	0.025	3.47	1/2	620
2-15/16																			
3																			
3-7/16	4.01	13.50	4.49	10.75	11.25	2.37	3/4	1.13	2.25	7.69	5.50	3.750	1.51	2.50	0.25	0.025	4.05	1/2	620
3-15/16	4.47	15.25	4.50	12.25	12.75	2.25	3/4	1.13	2.44	8.70	6.00	4.250	1.34	3.13	0.31	0.025	4.50	5/8	1325
4-7/16	6.53	16.63	4.63	13.25	13.75	2.50	3/4	1.13	2.75	9.67	6.45	4.750	3.08	3.38	0.38	N/A	N/A	5/8	1325
4-15/16	6.91	18.50	5.13	15.25	15.75	2.87	7/8	1.25	3.00	11.16	7.45	5.500	3.29	3.62	0.38	N/A	N/A	5/8	1325

NOTES: "A" AND "R" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

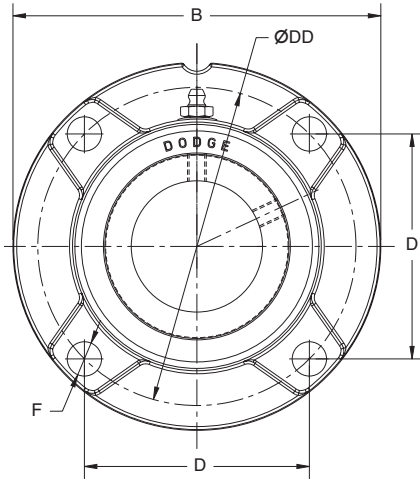
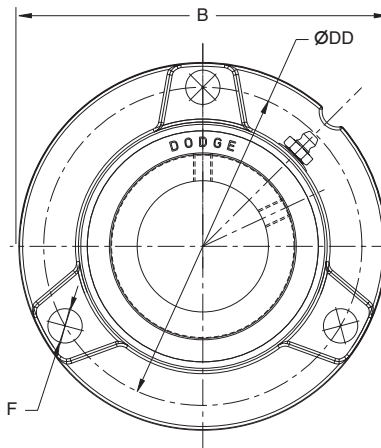
REFERENCE DIMENSION ONLY

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS

DODGE®

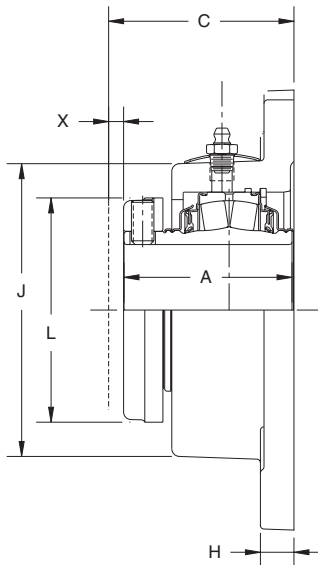

S-2000 Flange Bearing - Round



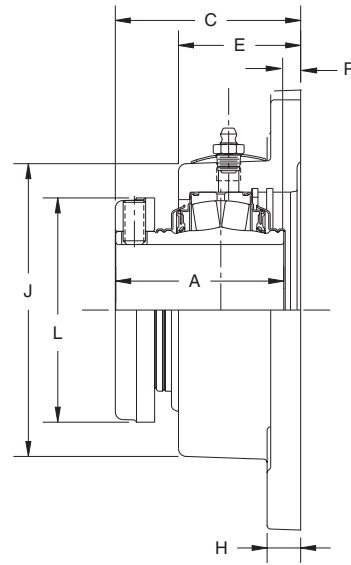
NOTE: All sizes use a
1/8-27 NPT hydraulic
grease fitting

1-3/8" THRU 1-1/2"
CONSTRUCTION

1-11/16" - 3"
CONSTRUCTION



EXPANSION



NON-EXPANSION

FEATURES/BENEFITS
PAGE B8-3

NOMENCLATURE
PAGE B8-7

SELECTION
PAGE B8-9

INTERCHANGE CHARTS
PAGE B8-46



S-2000 Flange Bearing - Round

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1 - 3/8	070436	F3R-S2-106R	070470	F3R-S2-106RE	070491	F3R-S2-106L	070523	F3R-S2-106LE
	1 - 7/16	070437	F3R-S2-107R	070471	F3R-S2-107RE	070492	F3R-S2-107L	070524	F3R-S2-107LE
	1 - 1/2	070438	F3R-S2-108R	070472	F3R-S2-108RE	070493	F3R-S2-108L	070525	F3R-S2-108LE
22209	1 - 11/16	070440	F4R-S2-111R	070474	F4R-S2-111RE	070495	F4R-S2-111L	070527	F4R-S2-111LE
	1 - 3/4	070441	F4R-S2-112R	070475	F4R-S2-112RE	070496	F4R-S2-112L	070528	F4R-S2-112LE
22210	1 - 15/16	070442	F4R-S2-115R	070476	F4R-S2-115RE	070497	F4R-S2-115L	070529	F4R-S2-115LE
	2	070443	F4R-S2-200R	070477	F4R-S2-200RE	070498	F4R-S2-200L	070530	F4R-S2-200LE
22211	2 - 3/16	070444	F4R-S2-203R	070478	F4R-S2-203RE	070499	F4R-S2-203L	070531	F4R-S2-203LE
22213	2-7/16	070446	F4R-S2-207R	070480	F4R-S2-207RE	070501	F4R-S2-207L	070533	F4R-S2-207LE
22215	2-11/16	070448	F4R-S2-211R	070482	F4R-S2-211RE	070503	F4R-S2-211L	070535	F4R-S2-211LE
	2-15/16	070449	F4R-S2-215R	070483	F4R-S2-215RE	070504	F4R-S2-215L	070536	F4R-S2-215LE
	3	070450	F4R-S2-300R	070484	F4R-S2-300RE	070505	F4R-S2-300L	070537	F4R-S2-300LE

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	H	J	L	P	X TOTAL EXP.
1 - 3/8 1 - 7/16 1 - 1/2	2 - 17/32	5 - 7/8	2 - 49/64	3 - 17/32	5	1 - 51/64	1/2*	1/2	3 - 27/32	2 - 3/4	15/64	3/16
1 - 11/16 1 - 3/4	2-43/64	6-3/8	2-31/32	3-57/64	5-1/2	1-57/64	1/2**	1/2	4-11/32	3-3/16	19/64	1/4
1 - 15/16 2	2 - 27/32	6 - 11/16	3 - 9/64	4 - 1/16	5 - 3/4	1 - 59/64	1/2**	9/16	4 - 19/32	3 - 7/16	19/64	1/4
2 - 3/16	2 - 15/16	7 - 3/8	3 - 15/64	4 - 1/2	6 - 3/8	2 - 3/64	5/8**	9/16	4 - 63/64	3 - 3/4	19/64	1/4
2-7/16	3-13/64	7-3/4	3-1/2	4-49/64	6-3/4	2-3/8	5/8**	49/64	5-1/2	4-1/16	19/64	1/4
2-11/16 2-15/16 3	3-19/32	9-1/4	3-57/64	5-9/16	7-7/8	2-25/64	3/4**	7/8	6-23/64	4-45/64	19/64	1/4

* 3 Equally spaced bolt holes

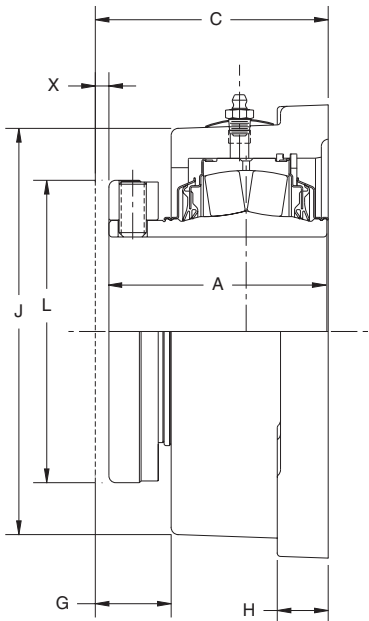
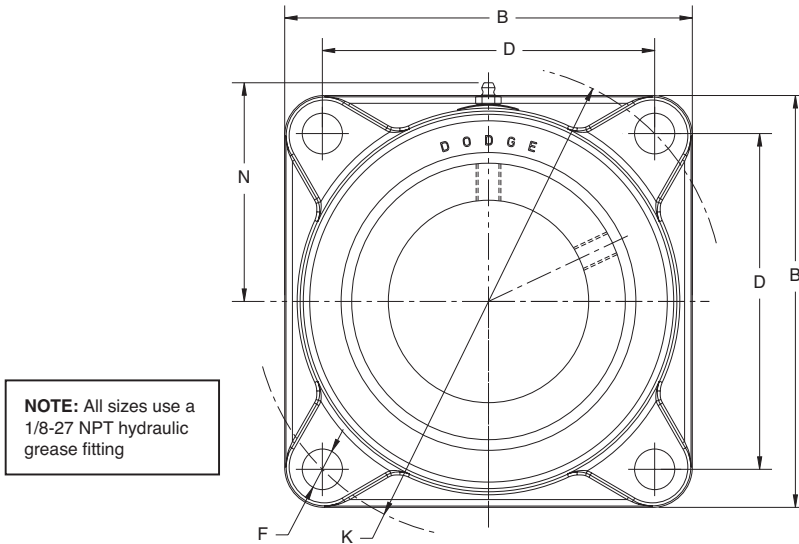
** 4 Equally spaced bolt holes

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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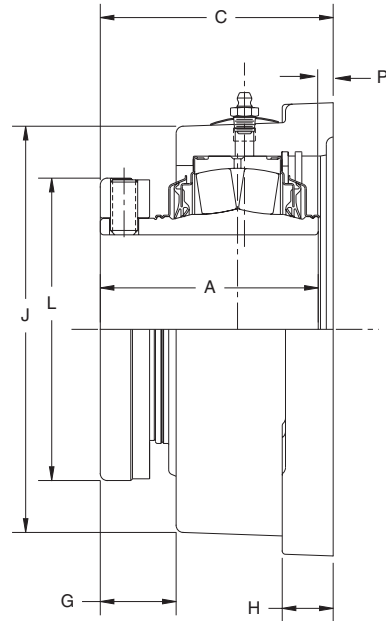
DIMENSIONS

DODGE®


S-2000 Flange Bearing - Square



EXPANSION



NON-EXPANSION

 FEATURES/BENEFITS
PAGE B8-3

 NOMENCLATURE
PAGE B8-7

 SELECTION
PAGE B8-9

 INTERCHANGE CHARTS
PAGE B8-46



S-2000 Flange Bearing - Square

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	070541	F4S-S2-106R	070564	F4S-S2-106RE	070600	F4S-S2-106L	070853	F4S-S2-106LE
	1-7/16	070542	F4S-S2-107R	070565	F4S-S2-107RE	070601	F4S-S2-107L	070854	F4S-S2-107LE
	1-1/2	070543	F4S-S2-108R	070566	F4S-S2-108RE	070602	F4S-S2-108L	070855	F4S-S2-108LE
22209	1-11/16	070545	F4S-S2-111R	070568	F4S-S2-111RE	070604	F4S-S2-111L	070857	F4S-S2-111LE
	1-3/4	070546	F4S-S2-112R	070569	F4S-S2-112RE	070605	F4S-S2-112L	070858	F4S-S2-112LE
22210	1-15/16	070547	F4S-S2-115R	070570	F4S-S2-115RE	070606	F4S-S2-115L	070859	F4S-S2-115LE
	2	070548	F4S-S2-200R	070571	F4S-S2-200RE	070607	F4S-S2-200L	070860	F4S-S2-200LE
22211	2-3/16	070549	F4S-S2-203R	070572	F4S-S2-203RE	070608	F4S-S2-203L	070861	F4S-S2-203LE
22213	2-7/16	070551	F4S-S2-207R	070574	F4S-S2-207RE	070610	F4S-S2-207L	070863	F4S-S2-207LE
22215	2-11/16	070553	F4S-S2-211R	070576	F4S-S2-211RE	070612	F4S-S2-211L	070865	F4S-S2-211LE
	2-15/16	070554	F4S-S2-215R	070577	F4S-S2-215RE	070613	F4S-S2-215L	070866	F4S-S2-215LE
	3	070555	F4S-S2-300R	070578	F4S-S2-300RE	070614	F4S-S2-300L	070867	F4S-S2-300LE
22218	3-7/16	070557	F4S-S2-307R	070580	F4S-S2-307RE	070616	F4S-S2-307L	070869	F4S-S2-307LE
22220	3-15/16	070559	F4S-S2-315R	070582	F4S-S2-315RE	070618	F4S-S2-315L	070871	F4S-S2-315LE

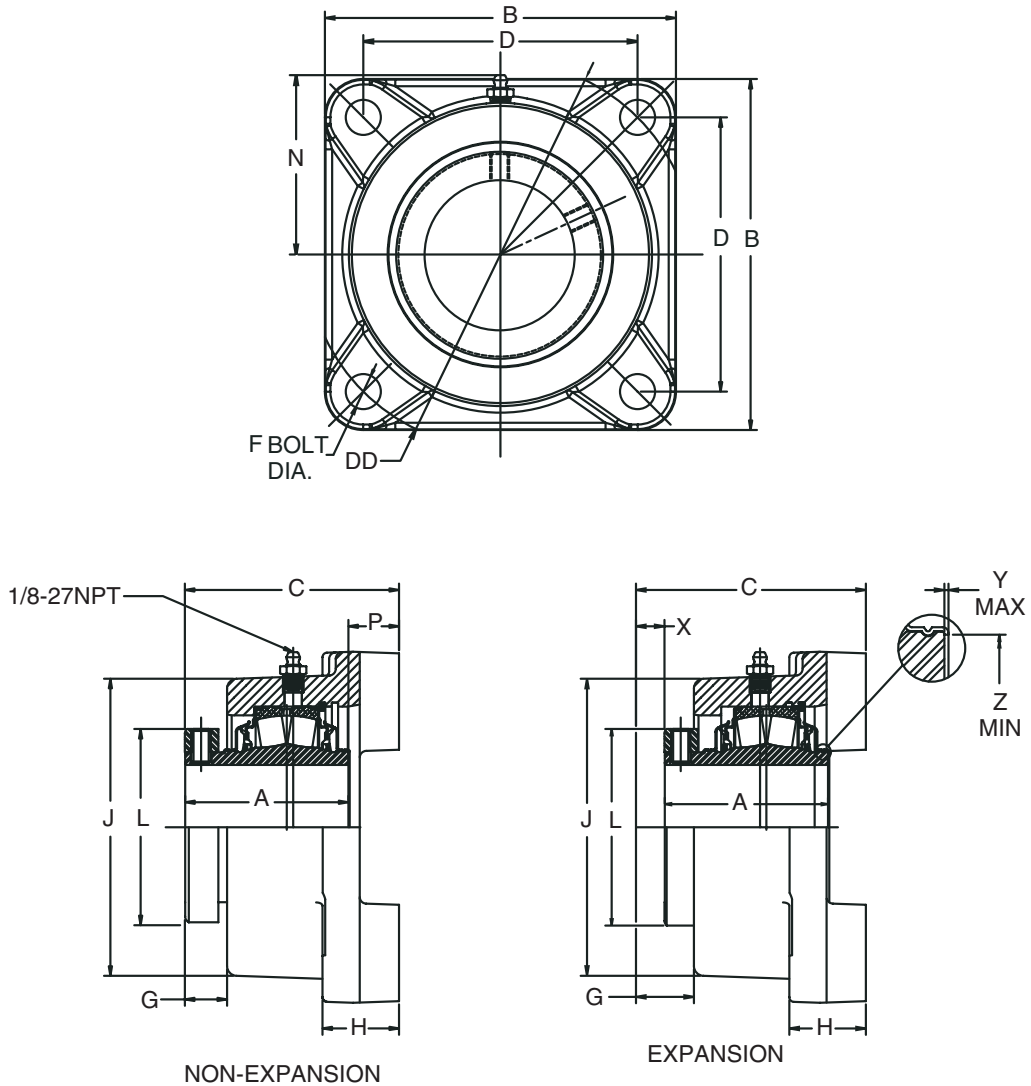
SHAFT SIZE	A	B	C	D	F BOLT DIA	G	H	J	K	L	N	P	X TOTAL EXP.
1-3/8													
1-7/16	2-17/32	4-3/4	2-49/64	3-17/32	1/2	63/64	1/2	3-13/16	5	2-3/4	2-31/64	15/64	3/16
1-1/2													
1-11/16	2-43/64	5-1/8	2-31/32	3-57/64	1/2	1-5/64	1/2	4-13/32	5-1/2	3-3/16	2-25/32	19/64	1/4
1-3/4													
1-15/16	2-27/32	5-19/64	3-5/32	4-1/16	1/2	1-15/64	9/16	4-31/32	5-3/4	3-7/16	2-29/32	5/16	1/4
2													
2-3/16	2-15/16	5-7/8	3-1/4	4-33/64	5/8	1-13/64	9/16	5-1/64	6-3/8	3-3/4	3-3/32	5/16	1/4
2-7/16	3-13/64	6-1/8	3-33/64	4-25/32	5/8	1-9/64	41/64	5-5/8	6-3/4	4-1/16	3-13/32	5/16	1/4
2-11/16													
2-15/16	3-19/32	7-3/16	3-29/32	5-9/16	3/4	1-33/64	3/4	6-1/2	7-7/8	4-45/64	3-27/32	5/16	1/4
3													
3-7/16	4	8-1/4	4-5/16	6-23/32	3/4	1-7/16	15/16	7-31/64	9-1/2	5-1/2	4-21/64	5/16	1/4
3-15/16	4-15/32	9-1/4	4-27/32	7-39/64	7/8	1-35/64	1-1/16	8-7/32	10-3/4	6	4-45/64	3/8	5/16

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS

DODGE®


S-2000 Flange Bearing - Square with Type E Dimensions


 FEATURES/BENEFITS
PAGE B8-3

 NOMENCLATURE
PAGE B8-7

 SELECTION
PAGE B8-9

 INTERCHANGE CHARTS
PAGE B8-46



S-2000 Flange Bearing - Square with Type E Dimensions

Bearing Series	Shaft Size*	TRIDENT Seal				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	071469	EF4B-S2-106R	071482	EF4B-S2-106RE	071495	EF4B-S2-106L	071508	EF4B-S2-106LE
	1-7/16	071470	EF4B-S2-107R	071483	EF4B-S2-107RE	071496	EF4B-S2-107L	071509	EF4B-S2-107LE
22209	1-11/16	071471	EF4B-S2-111R	071484	EF4B-S2-111RE	071497	EF4B-S2-111L	071510	EF4B-S2-111LE
22210	1-15/16	071472	EF4B-S2-115R	071485	EF4B-S2-115RE	071498	EF4B-S2-115L	071511	EF4B-S2-115LE
	2	071473	EF4B-S2-200R	071486	EF4B-S2-200RE	071499	EF4B-S2-200L	071512	EF4B-S2-200LE
22211	2-3/16	071474	EF4B-S2-203R	071487	EF4B-S2-203RE	071500	EF4B-S2-203L	071513	EF4B-S2-203LE
22213	2-7/16	071475	EF4B-S2-207R	071488	EF4B-S2-207RE	071501	EF4B-S2-207L	071514	EF4B-S2-207LE
22215	2-11/16	071476	EF4B-S2-211R	071489	EF4B-S2-211RE	071502	EF4B-S2-211L	071515	EF4B-S2-211LE
	2-15/16	071477	EF4B-S2-215R	071490	EF4B-S2-215RE	071503	EF4B-S2-215L	071516	EF4B-S2-215LE
	3	071478	EF4B-S2-300R	071491	EF4B-S2-300RE	071504	EF4B-S2-300L	071517	EF4B-S2-300LE
22218	3-7/16	071479	EF4B-S2-307R	071492	EF4B-S2-307RE	071505	EF4B-S2-307L	071518	EF4B-S2-307LE
22220	3-15/16	071480	EF4B-S2-315R	071493	EF4B-S2-315RE	071506	EF4B-S2-315L	071519	EF4B-S2-315LE
22222	4-7/16	071481	EF4B-S2-407R	071494	EF4B-S2-407RE	071507	EF4B-S2-407L	071520	EF4B-S2-407LE

*CONSULT DODGE FOR SIZES NOT LISTED

SHAFT SIZE	A	B #	C #	D	DD	F BOLT DIA.	G	H #	J #	L	N	P	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
1-3/8	2.53	4.62	3.06	3.50	4.950	1/2	0.57	1.06	3.88	2.55	2.34	0.53	0.16	0.020	1.80	5/16-18	165
1-7/16																	
1-11/16	2.67	5.37	3.50	4.13	5.834	1/2	0.53	1.19	4.18	3.01	2.51	0.84	0.19	0.020	2.08	5/16-18	165
1-15/16	2.84	5.62	3.63	4.37	6.187	1/2	0.65	1.18	4.36	3.26	2.60	0.78	0.22	0.020	2.30	3/8-16	290
2																	
2-3/16	2.94	6.25	3.87	4.87	6.894	5/8	0.60	1.38	4.88	3.50	2.88	0.93	0.25	0.025	2.60	3/8-16	290
2-7/16	3.20	6.88	4.19	5.37	7.601	5/8	0.83	1.50	5.81	3.86	3.32	0.98	0.25	0.025	2.95	3/8-16	290
2-11/16																	
2-15/16	3.59	7.76	4.69	6.00	8.485	3/4	0.88	1.61	6.30	4.61	3.58	1.09	0.25	0.025	3.47	1/2-13	620
3																	
3-7/16	4.01	9.25	5.25	7.00	9.899	3/4	0.96	1.87	7.44	5.50	4.15	1.24	0.25	0.025	4.05	1/2-13	620
3-15/16	4.48	10.25	6.50	7.75	10.960	7/8	1.00	2.12	8.27	6.00	4.58	2.02	0.31	0.025	4.50	5/8-11	1325
4-7/16	6.53	10.88	7.10	8.75	12.374	7/8	1.39	2.43	9.13	6.45	5.01	0.56	0.38	N/A	N/A	5/8-11	1325

NOTE(S): "P" DIMENSION IS FOR NON-EXPANSION ONLY

"A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

- REFERENCE DIMENSIONS ONLY

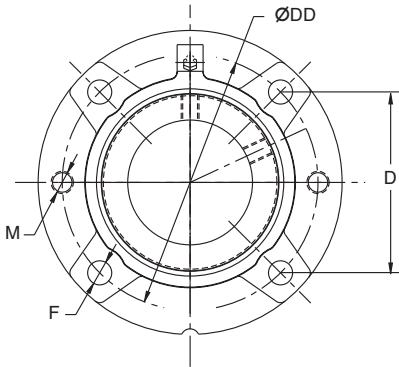
FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS

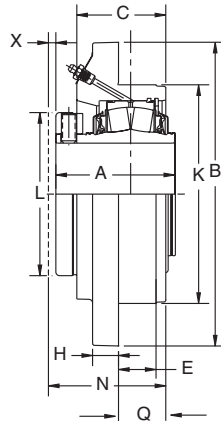
DODGE®


S-2000 Piloted Flange

NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting

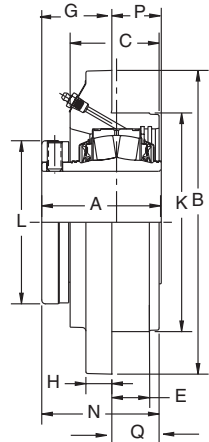


NOTE: 4-7/16 & 4-15/16 sizes have 6 evenly spaced mounting holes



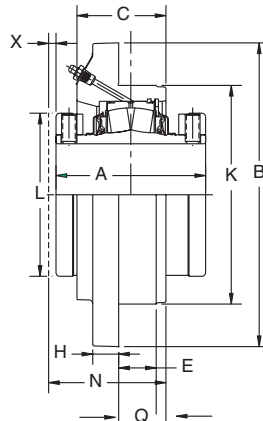
1-3/8 THRU 3-15/16"
CONSTRUCTION

EXPANSION



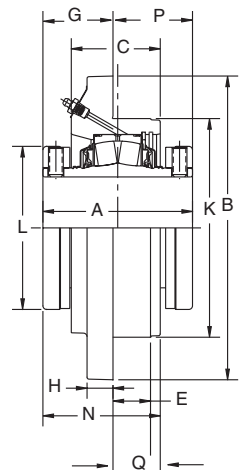
1-3/8 THRU 3-15/16"
CONSTRUCTION

NON-EXPANSION



4-7/16 THRU 4-15/16"
CONSTRUCTION

EXPANSION



4-7/16 THRU 4-15/16"
CONSTRUCTION

NON-EXPANSION

FEATURES/BENEFITS
PAGE B8-3

NOMENCLATURE
PAGE B8-7

SELECTION
PAGE B8-9

INTERCHANGE CHARTS
PAGE B8-46



S-2000 Piloted Flange

Bearing	Shaft Size Inch	TRIDENT Seal				Labyrinth Seal			
		Non-Expansion		Expansion		Non-Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	070644	FC-S2-106R	070671	FC-S2-106RE	070698	FC-S2-106L	070725	FC-S2-106LE
	1-7/16	070645	FC-S2-107R	070672	FC-S2-107RE	070699	FC-S2-107L	070726	FC-S2-107LE
	1-1/2	070646	FC-S2-108R	070673	FC-S2-108RE	070700	FC-S2-108L	070727	FC-S2-108LE
22209	1-11/16	070648	FC-S2-111R	070675	FC-S2-111RE	070702	FC-S2-111L	070729	FC-S2-111LE
	1-3/4	070649	FC-S2-112R	070676	FC-S2-112RE	070703	FC-S2-112L	070730	FC-S2-112LE
22210	1-15/16	070650	FC-S2-115R	070677	FC-S2-115RE	070704	FC-S2-115L	070731	FC-S2-115LE
	2	070651	FC-S2-200R	070678	FC-S2-200RE	070705	FC-S2-200L	070732	FC-S2-200LE
22211	2-3/16	070652	FC-S2-203R	070679	FC-S2-203RE	070706	FC-S2-203L	070733	FC-S2-203LE
22213	2-7/16	070654	FC-S2-207R	070681	FC-S2-207RE	070708	FC-S2-207L	070735	FC-S2-207LE
22215	2-11/16	070656	FC-S2-211R	070683	FC-S2-211RE	070710	FC-S2-211L	070737	FC-S2-211LE
	2-15/16	070657	FC-S2-215R	070684	FC-S2-215RE	070711	FC-S2-215L	070738	FC-S2-215LE
	3	070658	FC-S2-300R	070685	FC-S2-300RE	070712	FC-S2-300L	070739	FC-S2-300LE
22218	3-7/16	070660	FC-S2-307R	070687	FC-S2-307RE	070714	FC-S2-307L	070741	FC-S2-307LE
22220	3-15/16	070662	FC-S2-315R	070689	FC-S2-315RE	070716	FC-S2-315L	070743	FC-S2-315LE
22222	4-7/16 **	070664	FC-S2-407R	070691	FC-S2-407RE	070718	FC-S2-407L	070745	FC-S2-407LE
22226	4-15/16 **	070666	FC-S2-415R	070693	FC-S2-415RE	070720	FC-S2-415L	070747	FC-S2-415LE

SHAFT SIZE	A	B	C	D	DD	E	F BOLT DIA.	G	H	* K	L	M	N	P	Q	X TOTAL EXP.
1-3/8																
1-7/16	2-17/32	5-1/4	1-27/32	3-3/32	4-3/8	3/4	3/8	1-5/16	1/2	3. 625	2-3/4	3/8-16	2-17/32	1-7/32	1-7/32	3/16
1-1/2																
1-11/16	2-43/64	6-1/8	1-29/32	3-5/8	5-1/8	7/8	7/16	1-29/64	1/2	4. 250	3-3/16	7/16-14	2-23/32	1-7/32	1-17/64	1/4
1-3/4																
1-15/16	2-27/32	6-3/8	2	3-51/64	5-3/8	7/8	7/16	1-19/32	9/16	4. 500	3-7/16	7/16-14	2-55/64	1-1/4	1-17/64	1/4
2																
2-3/16	2-15/16	7-1/8	2-3/16	4-1/4	6	1	1/2	1-9/16	9/16	5. 000	3-3/4	1/2-13	2-63/64	1-3/8	1-27/64	1/4
2-7/16	3-13/64	7-5/8	2-1/2	4-19/32	6-1/2	1	1/2	1-41/64	5/8	5. 500	4-1/16	1/2-13	3-13/64	1-9/16	1-9/16	1/4
2-11/16																
2-15/16	3-19/32	8-3/4	2-5/8	5-19/64	7-1/2	1-1/4	5/8	2-1/32	3/4	6. 375	4-45/64	5/8-11	3-41/64	1-9/16	1-5/8	1/4
3																
3-7/16	4	10-1/4	3	6-3/32	8-5/8	1-17/64	3/4	2-23/64	15/16	7. 375	5-1/2	3/4-10	3-7/8	1-41/64	1-33/64	1/4
3-15/16	4-15/32	10-7/8	3-1/2	6-5/8	9-3/8	1-15/32	3/4	2-21/32	1-1/8	8. 125	6	3/4-10	4-9/16	1-13/16	1-29/32	5/16
4-7/16	6-17/32	13-37/64	4	** 5-7/8	11-3/4	1-29/64	3/4**	3-17/32	1	10. 250	6-29/64	3/4-10	5-1/2	3	1-63/64	3/8
4-15/16	6-29/32	14-27/32	4-3/8	** 6-3/8	12-3/4	1-45/64	7/8**	3-7/16	1-1/4	11. 000	7-29/64	7/8-9	5-55/64	3-15/32	2-27/64	3/8

* + 0.000
- 0.002

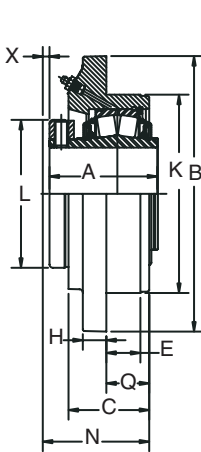
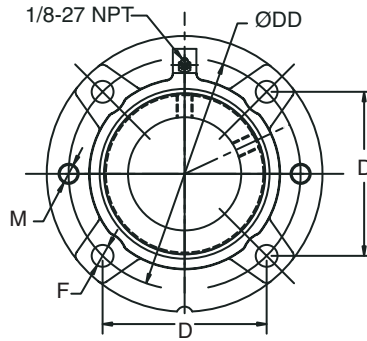
** 6 Equally spaced mounting holes

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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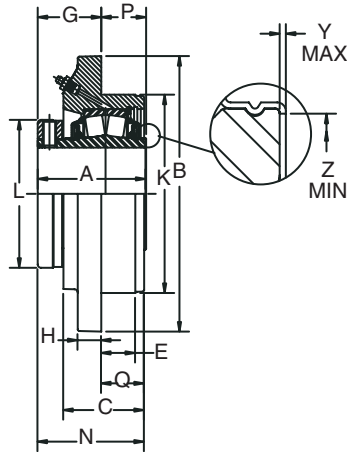
DIMENSIONS

DODGE®

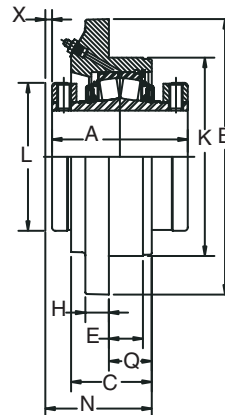

S-2000 Piloted Flange with Type E Dimensions



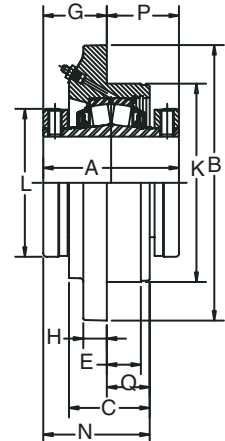
EXPANSION



NON-EXPANSION

4-7/16 THRU 5"
CONSTRUCTION

EXPANSION

4-7/16 THRU 5"
CONSTRUCTION

NON-EXPANSION

 FEATURES/BENEFITS
PAGE B8-3

 NOMENCLATURE
PAGE B8-7

 SELECTION
PAGE B8-9

 INTERCHANGE CHARTS
PAGE B8-46



S-2000 Piloted Flange with Type E Dimensions

Bearing Series	Shaft Size*	TRIDENT SEAL				Labyrinth Seal			
		Non Expansion		Expansion		Non Expansion		Expansion	
		Part No.	Part Name	Part No.	Part Name	Part No.	Part Name	Part No.	Part Name
22208	1-3/8	070644	FC-S2-106R	070671	FC-S2-106RE	070698	FC-S2-106L	070725	FC-S2-106LE
	1-7/16	070645	FC-S2-107R	070672	FC-S2-107RE	070699	FC-S2-107L	070726	FC-S2-107LE
22209	1-11/16	070648	FC-S2-111R	070675	FC-S2-111RE	070702	FC-S2-111L	070729	FC-S2-111LE
22210	1-15/16	070650	FC-S2-115R	070677	FC-S2-115RE	070704	FC-S2-115L	070731	FC-S2-115LE
	2	070651	FC-S2-200R	070678	FC-S2-200RE	070705	FC-S2-200L	070732	FC-S2-200LE
22211	2-3/16	070652	FC-S2-203R	070679	FC-S2-203RE	070706	FC-S2-203L	070733	FC-S2-203LE
22213	2-7/16	070654	FC-S2-207R	070681	FC-S2-207RE	070708	FC-S2-207L	070735	FC-S2-207LE
22215	2-11/16	070656	FC-S2-211R	070683	FC-S2-211RE	070710	FC-S2-211L	070737	FC-S2-211LE
	2-15/16	070657	FC-S2-215R	070684	FC-S2-215RE	070711	FC-S2-215L	070738	FC-S2-215LE
	3	070658	FC-S2-300R	070685	FC-S2-300RE	070712	FC-S2-300L	070739	FC-S2-300LE
22218	3-7/16	070660	FC-S2-307R	070687	FC-S2-307RE	070714	FC-S2-307L	070741	FC-S2-307LE
22220	3-15/16	070662	FC-S2-315R	070689	FC-S2-315RE	070716	FC-S2-315L	070743	FC-S2-315LE
22222	4-7/16	071521	EFC-S2-407R	071523	EFC-S2-407RE	071525	EFC-S2-407L	071527	EFC-S2-407LE
22226	4-15/16	071522	EFC-S2-415R	071524	EFC-S2-415RE	071526	EFC-S2-415L	071528	EFC-S2-415LE

SHAFT SIZE	A	B #	C #	D	DD	E #	F BOLT DIA.	G	H #	K ##	L	M	N	P	Q #	X TOTAL EXP.	Y	Z	SET SCREW SIZE	S/S TORQUE IN/LBS
1-3/8	2.53	5.25	1.84	3.09	4.375	0.75	3/8	1.31	0.50	3.625	2.55	3/8-16	2.53	1.22	1.22	0.19	0.020	1.80	5/16	165
1-7/16	2.67	6.13	1.91	3.63	5.125	0.88	7/16	1.45	0.50	4.250	3.01	7/16-14	2.72	1.22	1.26	0.25	0.020	2.08	5/16	165
1-11/16	2.84	6.38	2.00	3.80	5.375	0.88	7/16	1.59	0.56	4.500	3.26	7/16-14	2.86	1.25	1.26	0.25	0.020	2.30	3/8	290
2	2.94	7.13	2.19	4.25	6.000	1.00	1/2	1.56	0.56	5.000	3.50	1/2-13	2.98	1.38	1.42	0.25	0.025	2.59	3/8	290
2-3/16	3.20	7.63	2.50	4.59	6.500	1.00	1/2	1.64	0.63	5.500	3.86	1/2-13	3.20	1.56	1.56	0.25	0.025	2.94	3/8	290
2-7/16	3.59	8.75	2.63	5.30	7.500	1.25	5/8	2.03	0.75	6.375	4.61	5/8-11	3.64	1.56	1.63	0.25	0.025	3.47	1/2	620
2-11/16	4.01	10.25	3.00	6.09	8.625	1.26	3/4	2.36	0.94	7.375	5.50	3/4-10	3.88	1.65	1.52	0.25	0.025	4.05	1/2	620
2-15/16	4.47	10.88	3.50	6.63	9.375	1.47	3/4	2.66	1.13	8.125	6.00	3/4-10	4.56	1.81	1.91	0.31	0.025	4.50	5/8	1325
3	6.53	13.50	4.58	5.88	11.750	1.45	3/4 **	3.00	0.94	10.250	6.45	3/4-10	5.63	3.53	2.63	0.38	N/A	N/A	5/8	1325
4-7/16	6.91	14.75	4.88	6.38	12.750	1.70	7/8 **	2.97	1.25	11.000	7.45	7/8-9	5.95	3.94	3.01	0.38	N/A	N/A	5/8	1325
4-15/16																				

- +0.000 NOTE(S): "P" AND "G" DIMENSIONS ARE FOR NON-EXPANSION ONLY

-0.002 "A" AND "P" DIMENSIONS DO NOT INCLUDE "Y" DIMENSION

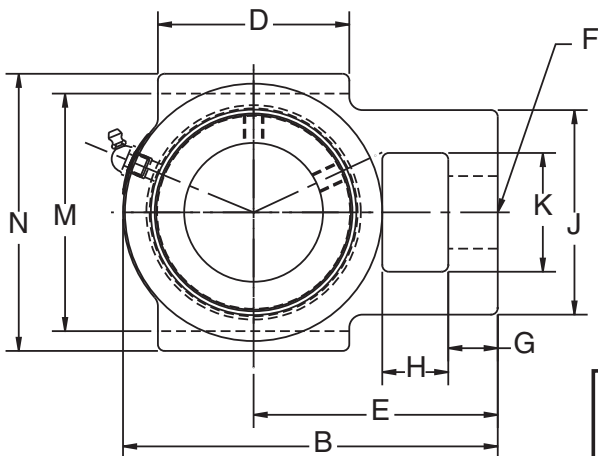
- REFERENCE DIMENSION ONLY

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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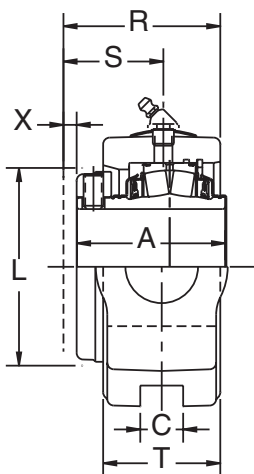
DIMENSIONS

DODGE®

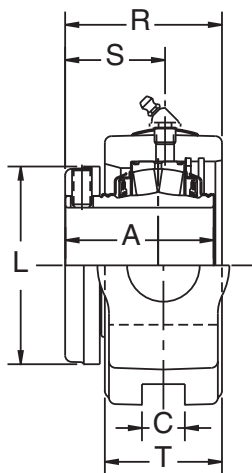

S-2000 Wide Slot Take-Up 1-3/8 THRU 2-3/16 INCH



NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



EXPANSION



NON-EXPANSION

NOTE: See page B8-38 for 2-7/16 thru 4-15/16 inch

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Wide Slot Take-Up 1-3/8 THRU 2-3/16 INCH

Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part No.	Part Name	Part No.	Part Name
22208	1-3/8	CP-308	070752	WSTU-S2-106R	070779	WSTU-S2-106RE
	1-7/16		070753	WSTU-S2-107R	070780	WSTU-S2-107RE
	1-1/2		070754	WSTU-S2-108R	070781	WSTU-S2-108RE
22209	1-11/16	CP-400	070756	WSTU-S2-111R	070783	WSTU-S2-111RE
	1-3/4		070757	WSTU-S2-112R	070784	WSTU-S2-112RE
22210	1-15/16	CP-400	070758	WSTU-S2-115R	070785	WSTU-S2-115RE
	2		070759	WSTU-S2-200R	070786	WSTU-S2-200RE
22211	2-3/16	CP-408	070760	WSTU-S2-203R	070787	WSTU-S2-203RE

SHAFT SIZE	A	B	C	D	E	F	G	H	J
1-3/8									
1-7/16	2-17/32	5-1/16	17/32	2-3/4	3-3/16	7/8	11/16	5/8	2-7/16
1-1/2									
1-11/16									
1-3/4	2-43/64	5-15/16	11/16	3-1/8	3-13/16	1-1/8	15/16	3/4	3-5/16
1-15/16									
2	2-27/32	6-3/16	11/16	3-5/8	3-15/16	1-1/8	15/16	3/4	3-5/16
2-3/16	2-15/16	7-1/16	13/16	3-5/8	4-5/8	1-3/8	15/16	1-1/4	3-7/8

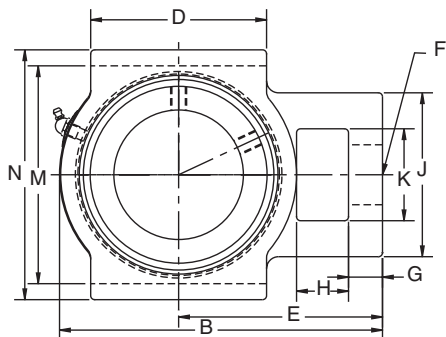
SHAFT SIZE	K	L	M	N	R	S	T	X TOTAL EXP
1-3/8								
1-7/16	1-7/16	2-3/4	3-1/2	4-1/8	2-47/64	1-45/64	2-1/16	3/16
1-1/2								
1-11/16								
1-3/4	1-15/16	3-3/16	4	4-3/4	2-53/64	1-13/16	2-1/32	1/4
1-15/16								
2	1-15/16	3-7/16	4	4-3/4	2-15/16	1-15/16	2	1/4
2-3/16	2-1/4	3-3/4	4-1/2	5-1/4	3-3/32	1-63/64	2-7/32	1/4

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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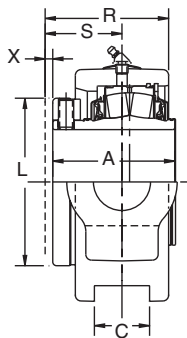
DIMENSIONS

DODGE®


S-2000 Wide Slot Take-Up 2-7/16 THRU 4-15/16 INCH

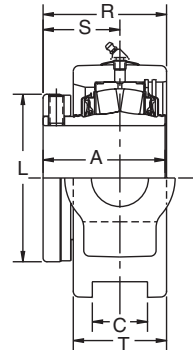


NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



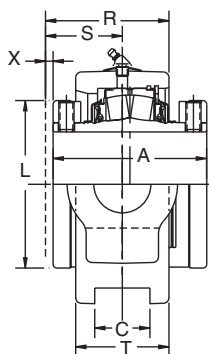
1-3/8" THRU 3-15/16"
CONSTRUCTION

EXPANSION



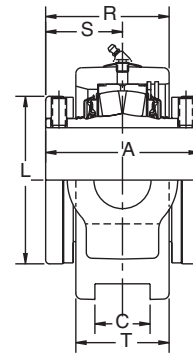
1-3/8" THRU 3-15/16"
CONSTRUCTION

NON-EXPANSION



4-7/16" THRU 4-15/16"
CONSTRUCTION

EXPANSION



4-7/16" THRU 4-15/16"
CONSTRUCTION

NON-EXPANSION

NOTE: See page B8-36 for 1-3/8 thru 2-3/16 inch

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS



S-2000 Wide Slot Take-Up 2-7/16 THRU 4-15/16 INCH

Bearing	Shaft Size Inch	Take-Up Frame	TRIDENT Seal			
			Non-Expansion		Expansion	
			Part Number	Part Name	Part Number	Part Name
22213	2-7/16	CP-502	070762	WSTU-S2-207R	070789	WSTU-S2-207RE
22215	2-11/16	CP-515	070764	WSTU-S2-211R	070791	WSTU-S2-211RE
	2-15/16		070765	WSTU-S2-215R	070792	WSTU-S2-215RE
	3		070766	WSTU-S2-300R	070793	WSTU-S2-300RE
22218	3-7/16	CP-613	070768	WSTU-S2-307R	070795	WSTU-S2-307RE
22220	3-15/16	CP-810	070770	WSTU-S2-315R	070797	WSTU-S2-315RE
22222	4-7/16	CP-908	070772	WSTU-S2-407R	070799	WSTU-S2-407RE
22226	4-15/16	CP-1004	070774	WSTU-S2-415R	070801	WSTU-S2-415RE

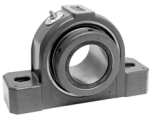
SHAFT SIZE	A	B	C	D	E	F	G	H	J
2-7/16	3-13/64	7-11/16	1-1/16	4-3/8	5	1-3/8	1-1/16	1-1/4	4-1/4
2-11/16	3-19/32	8-7/8	1-13/16	4-1/2	5-3/4	1-5/8	1-1/8	1-1/2	4-7/8
2-15/16									
3									
3-7/16	4	10-1/16	1-13/16	5-1/2	6-3/8	1-7/8	1-1/16	1-5/8	5-1/8
3-15/16	4-15/32	12-9/16	2-1/16	7	8-3/8	2-1/8	2-1/16	2-1/8	6
4-7/16	6-17/32	13-3/8	2-1/16	7	8-3/4	2-1/8	2	2-1/8	6-3/8
4-15/16	6-29/32	15-5/8	2-1/16	9	10-5/16	2-3/8	2-1/2	2-1/2	7

SHAFT SIZE	K	L	M	N	R	S	T	X TOTAL EXP
2-7/16	2-1/2	4-1/16	5-1/8	5-7/8	3-13/64	2	2-7/16	1/4
2-11/16	2-3/4	4-45/64	5-15/16	6-11/16	3-3/4	2-13/32	2-11/16	1/4
2-15/16								
3								
3-7/16	2-7/8	5-1/2	6-13/16	7-13/16	4-3/64	2-33/64	3-1/16	1/4
3-15/16	3-3/8	6	8-5/8	9-7/16	4-37/64	2-55/64	3-7/16	5/16
4-7/16	3-3/8	6-29/64	9-1/2	10-3/8	5-11/32	3-15/32	3-3/4	3/8
4-15/16	3-3/4	7-29/64	10-1/4	11-1/4	5-47/64	3-41/64	4-3/16	3/8

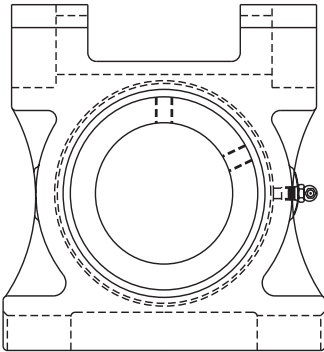
See Page B15-20 for CP Take-Up Frame

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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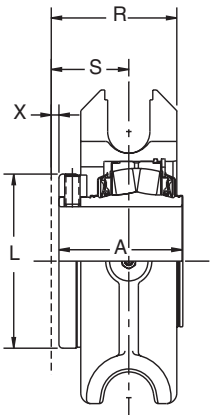
DIMENSIONS



TP Take-Up

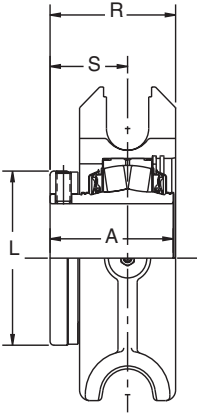


NOTE: All sizes use a 1/8-27 NPT hydraulic grease fitting



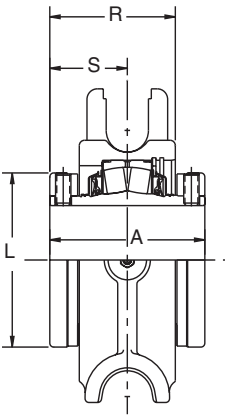
1-15/16" THRU 3-15/16"
CONSTRUCTION

EXPANSION



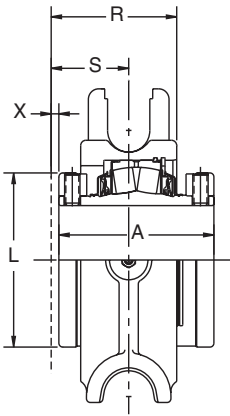
1-15/16" THRU 3-15/16"
CONSTRUCTION

NON-EXPANSION



4-7/16" THRU 4-15/16"
CONSTRUCTION

NON-EXPANSION



4-7/16" THRU 4-15/16"
CONSTRUCTION

EXPANSION

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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TP Take-Up

D-LOK

Type E Family

Specialty Tapered

S-2000

UNISPHERE II

Bearing	Shaft Size Inch	TAKE-UP FRAME		TRIDENT Seal			
				Non-Expansion		Expansion	
				Part Number	Part Name	Part Number	Part Name
22210	1-15/16 2	TP10	TPHU110	070811	TPHU-S2-115R	070829	TPHU-S2-115RE
				070812	TPHU-S2-200R	070830	TPHU-S2-200RE
22211	2-3/16	TP30	TPHU120	070813	TPHU-S2-203R	070831	TPHU-S2-203RE
22213	2-7/16	TP40	TPHU130	070815	TPHU-S2-207R	070833	TPHU-S2-207RE
22215	2-11/16 2-15/16 3	TP40	TPHU140	070817	TPHU-S2-211R	070835	TPHU-S2-211RE
				070818	TPHU-S2-215R	070836	TPHU-S2-215RE
				070819	TPHU-S2-300R	070837	TPHU-S2-300RE
22218	3-7/16	TP50	TPHU150	070821	TPHU-S2-307R	070839	TPHU-S2-307RE
22220	3-15/16	TP60	TPHU160	070823	TPHU-S2-315R	070841	TPHU-S2-315RE
22222	4-7/16	N/A	TPHU170	070825	TPHU-S2-407R	070843	TPHU-S2-407RE
22226	4-15/16	N/A	TPHU180	070827	TPHU-S2-415R	070845	TPHU-S2-415RE

SHAFT SIZE	A	L	R	S	X
1-15/16 2	2-27/32	3-7/16	3-3/16	2	1/4
2-3/16	2-15/16	3-3/4	3-25/64	2-1/64	1/4
2-7/16	3-13/64	4-1/16	3-17/32	2-5/32	1/4
2-11/16 2-15/16 3	3-19/32	4-45/64	3-53/64	2-29/64	1/4
3-7/16	4	5-1/2	4-7/32	2-21/32	1/4
3-15/16	4-15/32	6	4-33/64	2-61/64	5/16
4-7/16	6-17/32	6-29/64	5-29/64	3-29/64	3/8
4-15/16	6-29/32	7-29/64	5-7/8	3-21/32	3/8

See page B15-14 thru B15-19 for TP and TPHU Frames

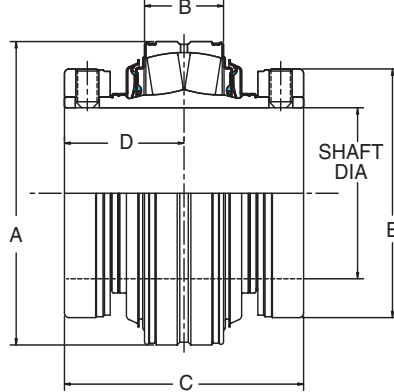
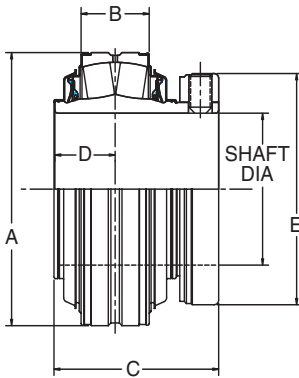
FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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DIMENSIONS

DODGE®

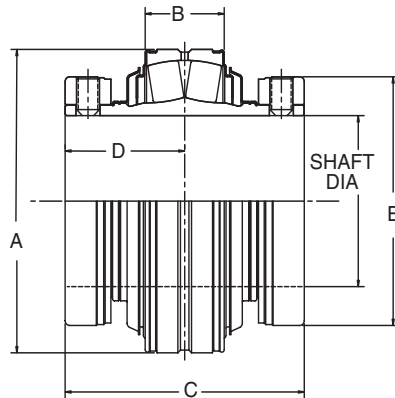
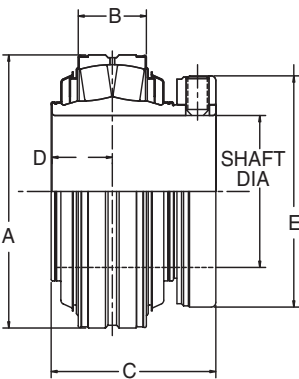

S-2000 Bearing Insert

TRIDENT SEAL



1-3/8 THRU 3-15/16" CONSTRUCTION 4-7/16 THRU 4-15/16" CONSTRUCTION

LABYRINTH SEAL



1-3/8 THRU 3-15/16" CONSTRUCTION

4-7/16 THRU 4-15/16" CONSTRUCTION

FEATURES/BENEFITS
PAGE B8-3

NOMENCLATURE
PAGE B8-7

SELECTION
PAGE B8-9

INTERCHANGE CHARTS
PAGE B8-46

DIMENSIONS



S-2000 Bearing Insert

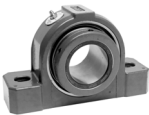
Part Number - 1-3/8 thru 4-15/16 Inch

Bearing	SHAFT SIZE	TRIDENT SEAL		LABYRINTH SEAL	
		PART NUMBER	PART NAME	PART NUMBER	PART NAME
22208	1-3/8	070000	INS-S2-106R	070016	INS-S2-106L
	1-7/16	070001	INS-S2-107R	070017	INS-S2-107L
	1-1/2	070002	INS-S2-108R	070018	INS-S2-108L
22209	1-11/16	070003	INS-S2-111R	070019	INS-S2-111L
	1-3/4	070004	INS-S2-112R	070020	INS-S2-112L
22210	1-15/16	070005	INS-S2-115R	070021	INS-S2-115L
	2	070006	INS-S2-200R	070022	INS-S2-200L
22211	2-3/16	070007	INS-S2-203R	070023	INS-S2-203L
22213	2-7/16	070008	INS-S2-207R	070024	INS-S2-207L
22215	2-11/16	070009	INS-S2-211R	070025	INS-S2-211L
	2-15/16	070010	INS-S2-215R	070026	INS-S2-215L
	3	070011	INS-S2-300R	070027	INS-S2-300L
22218	3-7/16	070012	INS-S2-307R	070028	INS-S2-307L
22220	3-15/16	070013	INS-S2-315R	070029	INS-S2-315L
22222	4-7/16	070014	INS-S2-407R	070030	INS-S2-407L
22226	4-15/16	070015	INS-S2-415R	070031	INS-S2-415L

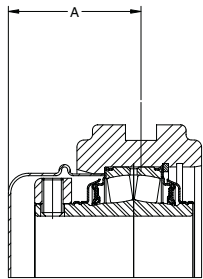
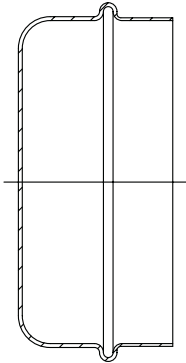
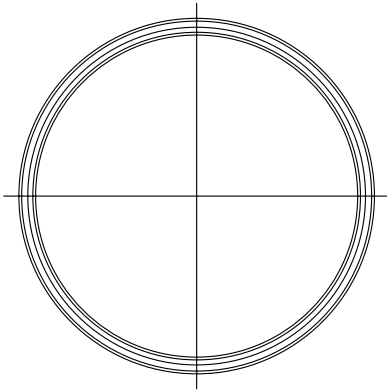
SHAFT SIZE	A	B	C	D	E
1-3/8 1-7/16 1-1/2	3.150	61/64	2-17/32	0.970	2-21/32
1-11/16 1-3/4	3.346	61/64	2-21/32	0.954	3-3/32
1-15/16 2	3.543	61/64	2-27/32	0.977	3-11/32
2-3/16	3.937	1-3/64	2-15/16	1.050	3-21/32
2-7/16	4.724	1-9/32	3-13/64	1.208	3-31/32
2-11/16 2-15/16 3	5.118	1-9/32	3-19/32	1.219	4-5/8
3-7/16	6.299	1-5/8	4	1.483	5-1/2
3-15/16	7.087	1-7/8	4-31/64	1.646	6
4-7/16	7.874	2-5/32	6-17/32	3.266	6-29/64
4-15/16	9.055	2-19/32	6-29/32	3.453	7-29/64

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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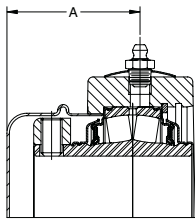
DIMENSIONS



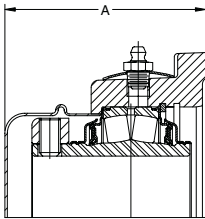
S-2000 Bearing End Cover



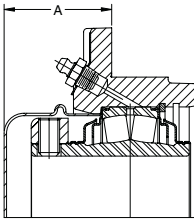
WS TAKE-UP



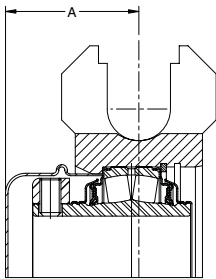
PILLOW BLOCK



FLANGE



PILOTED FLANGE



TPHU TAKE-UP

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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S-2000 & E-S2000 Bearing End Cover

Shaft Size	Housing Design			
	S2000		* E-S2000	
	Part #	Description	Part #	Description
1-3/8 to 1-1/2	069970	S2EC08	069960	IPEC08
1-11/16 to 1-3/4	069971	S2EC09	069961	IPEC09
1-15/16 to 2	069972	S2EC10	069962	IPEC10
2-3/16	069973	S2EC11	069963	IPEC11
2-7/16	069974	S2EC13	069964	IPEC13
2 11/16 to 3	069975	S2EC15	069965	IPEC15
3-7/16	069966	S2EC18	069966	S2IPEC18
3-15/16	069967	S2IPEC20	069967	S2IPEC20
4-7/16	069968	S2IPEC22	069968	S2IPEC22
4-15/16	069969	S2IPEC26	069969	S2IPEC26

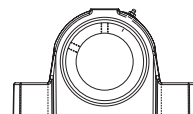
* End Covers for S2000 with Type E dimensioned housing

“A” DIMENSION

SHAFT SIZE (IN)	S-2000 Pillow Block	*E-S2000 Pillow Block	S-2000 Piloted Flange	*E-S2000 Piloted Flange	S-2000 Flange	*E-S2000 Flange	Wide Slot Take-up	Top Angle Take-up
1-3/8 thru 1-1/2	1.97	1.83	1.61	1.61	3.06	3.39	2.00	N/A
1-11/16 thru 1-3/4	2.16	2.20	1.77	1.77	3.27	4.01	2.13	N/A
1-15/16 thru 2	2.25	2.00	1.86	1.86	3.41	3.89	2.19	2.25
2 -3/16	2.41	2.47	1.94	1.94	3.63	4.47	2.36	2.41
2 -7/16	2.44	2.44	2.09	2.09	3.95	4.63	2.44	2.61
2 -11/16 thru 3	2.56	2.54	2.20	2.20	4.09	4.97	2.61	2.64
3 -7/16	2.94	2.91	2.78	2.78	4.73	5.65	2.94	2.94
3-15/16	3.36	3.67	3.19	3.19	5.38	7.04	3.39	3.48
4 -7/16	3.83	3.78	3.89	3.72	N/A	7.49	3.84	3.83
4-15/16	4.36	4.33	4.11	3.95	N/A	N/A	4.36	4.36

* S-2000 With Type E dimensioned Housing

FEATURES/BENEFITS PAGE B8-3	NOMENCLATURE PAGE B8-7	SELECTION PAGE B8-9	INTERCHANGE CHARTS PAGE B8-46
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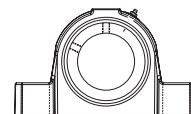
Old to New S-2000 2-Bolt Pillow Block

Shaft Size Inch	TRIDENT Triple Lip Seal					Labyrinth Seal														
	Old S2000	Non-Expansion		Old S2000	Expansion		Old S2000	Non-Expansion		Old S2000	Expansion									
1-1/8	044608	See IMPERIAL For Substitute		044636	See IMPERIAL For Substitute		045050	See IMPERIAL For Substitute		045075	See IMPERIAL For Substitute									
1-3/16	044609			044637			045051			045076										
1-1/4	044610			044638			045052			045077										
1-3/8	044611	070272	P2B-S2-106R	044639	070295	P2B-S2-106RE	045053	070318	P2B-S2-106L	045078	070341	P2B-S2-106LE								
1-7/16	044612	070273	P2B-S2-107R	044640	070296	P2B-S2-107RE	045054	070319	P2B-S2-107L	045079	070342	P2B-S2-107LE								
1-1/2	044613	070274	P2B-S2-108R	044641	070297	P2B-S2-108RE	045055	070320	P2B-S2-108L	045080	070343	P2B-S2-108LE								
1-5/8	044614	See IMPERIAL For Substitute		044642	See IMPERIAL For Substitute		045056	See IMPERIAL For Substitute		045081	See IMPERIAL For Substitute									
1-1/16	044615			070276			P2B-S2-111R			044643			070299	P2B-S2-111RE	045057	070322	P2B-S2-111L	045082	070345	P2B-S2-111LE
1-3/4	044616			070277			P2B-S2-112R			044644			070300	P2B-S2-112RE	045058	070323	P2B-S2-112L	045083	070346	P2B-S2-112LE
1-7/8	044617	See IMPERIAL For Substitute		044645	See IMPERIAL For Substitute		045059	See IMPERIAL For Substitute		045084	See IMPERIAL For Substitute									
1-15/16	044618			070278			P2B-S2-115R			044646			070301	P2B-S2-115RE	045060	070324	P2B-S2-115L	045085	070347	P2B-S2-115LE
2	044619			070279			P2B-S2-200R			044647			070302	P2B-S2-200RE	045061	070325	P2B-S2-200L	045086	070348	P2B-S2-200LE
2-3/16	044620	070280	P2B-S2-203R	044648	070303	P2B-S2-203RE	045062	070326	P2B-S2-203L	045087	070349	P2B-S2-203LE								
2-1/4	044621	See IMPERIAL For Substitute		044649	See IMPERIAL For Substitute		045063	See IMPERIAL For Substitute		045088	See IMPERIAL For Substitute									
2-3/8	044622			044650			045064			045089										
2-7/16	044623			070282			P2B-S2-207R			044651			070305	P2B-S2-207RE	045065	070328	P2B-S2-207L	045090	070351	P2B-S2-207LE
2-1/2	044624	See IMPERIAL For Substitute		044652	See IMPERIAL For Substitute		045066	See IMPERIAL For Substitute		045091	See IMPERIAL For Substitute									
2-11/16	044625			070284			P2B-S2-211R			044653			070307	P2B-S2-211RE	045067	070330	P2B-S2-211L	045092	070353	P2B-S2-211LE
2-3/4	044626			See IMPERIAL For Substitute			044654			See IMPERIAL For Substitute			045068	See IMPERIAL For Substitute		045093	See IMPERIAL For Substitute			
2-15/16	044627	070285	P2B-S2-215R			044655	070308	P2B-S2-215RE	045069			070331	P2B-S2-215L			045094			070354	P2B-S2-215LE
3	044628	070286	P2B-S2-300R			044656	070309	P2B-S2-300RE	045070			070332	P2B-S2-300L			045095			070355	P2B-S2-300LE
3-3/16	044629	See IMPERIAL For Substitute		044657	See IMPERIAL For Substitute		045071	See IMPERIAL For Substitute		045096	See IMPERIAL For Substitute									
3-1/4	044630			044658			---			---										
3-7/16	044631			070288			P2B-S2-307R			044659			070311	P2B-S2-307RE	045073	070334	P2B-S2-307L	045098	070357	P2B-S2-307LE
3-1/2	044632	See IMPERIAL For Substitute		044660	See IMPERIAL For Substitute		045074	See IMPERIAL For Substitute		045099	See IMPERIAL For Substitute									
3-11/16	044633			044661			---			---										
3-15/16	044634			070290			P2B-S2-315R			044662			070313	P2B-S2-315RE	042759	070336	P2B-S2-315L	042784	070359	P2B-S2-315LE
4	044635	See IMPERIAL For Substitute		044663	See IMPERIAL For Substitute		042760	See IMPERIAL For Substitute		042785	See IMPERIAL For Substitute									

“---” = Not Previously Offered

NOTE: IMPERIAL Substitute - see page B8-53

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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Old to New S-2000 4-Bolt Pillow Block

Shaft Size Inch	TRIDENT Triple Lip Seal						Labyrinth Seal					
	Old S2000	Non-Expansion		Old S2000	Expansion		Old S2000	Non-Expansion		Old S2000	Expansion	
1-15/16	044665	070361	P4B-S2-115R	044688	070379	P4B-S2-115RE	045101	070397	P4B-S2-115L	045117	070415	P4B-S2-115LE
2	044666	070362	P4B-S2-200R	044689	070380	P4B-S2-200RE	045102	070398	P4B-S2-200L	045118	070416	P4B-S2-200LE
2-3/16	044667	070363	P4B-S2-203R	044690	070381	P4B-S2-203RE	045103	070399	P4B-S2-203L	045119	070417	P4B-S2-203LE
2-1/4	044668	See IMPERIAL For Substitute		044691	See IMPERIAL For Substitute		045104	See IMPERIAL For Substitute		045120	See IMPERIAL For Substitute	
2-7/16	044670	070365	P4B-S2-207R	044693	070383	P4B-S2-207RE	045106	070401	P4B-S2-207L	045122	070419	P4B-S2-207LE
2-1/2	044671	See IMPERIAL For Substitute		044694	See IMPERIAL For Substitute		045107	See IMPERIAL For Substitute		045123	See IMPERIAL For Substitute	
2-11/16	044672	070367	P4B-S2-211R	044695	070385	P4B-S2-211RE	045108	070403	P4B-S2-211L	045124	070421	P4B-S2-211LE
2-15/16	044674	070368	P4B-S2-215R	044697	070386	P4B-S2-215RE	045110	070404	P4B-S2-215L	045126	070422	P4B-S2-215LE
3	044675	070369	P4B-S2-300R	044698	070387	P4B-S2-300RE	045111	070405	P4B-S2-300L	045127	070423	P4B-S2-300LE
3-3/16	044676	See IMPERIAL For Substitute		044699	See IMPERIAL For Substitute		045112	See IMPERIAL For Substitute		045128	See IMPERIAL For Substitute	
3-1/4	044677	See IMPERIAL For Substitute		044700	See IMPERIAL For Substitute		045113	See IMPERIAL For Substitute		045128	See IMPERIAL For Substitute	
3-7/16	044678	070371	P4B-S2-307R	044701	070389	P4B-S2-307RE	045114	070407	P4B-S2-307L	045130	070425	P4B-S2-307LE
3-1/2	044679	See IMPERIAL For Substitute		044702	See IMPERIAL For Substitute		045115	See IMPERIAL For Substitute		045131	See IMPERIAL For Substitute	
3-11/16	044680	See IMPERIAL For Substitute		044703	See IMPERIAL For Substitute		043031	See IMPERIAL For Substitute		043006	See IMPERIAL For Substitute	
3-15/16	044681	070373	P4B-S2-315R	044704	070391	P4B-S2-315RE	043032	070409	P4B-S2-315L	043007	070427	P4B-S2-315LE
4	044682	See IMPERIAL For Substitute		044705	See IMPERIAL For Substitute		043033	See IMPERIAL For Substitute		043008	See IMPERIAL For Substitute	
4-7/16	044683	070375	P4B-S2-407R	044706	070393	P4B-S2-407RE	043034	070411	P4B-S2-407L	043009	070429	P4B-S2-407LE
4-1/2	044684	See IMPERIAL For Substitute		044707	See IMPERIAL For Substitute		043035	See IMPERIAL For Substitute		043010	See IMPERIAL For Substitute	
4-15/16	044685	070377	P4B-S2-415R	044708	070395	P4B-S2-415RE	043036	070413	P4B-S2-415L	043011	070431	P4B-S2-415LE
5	044686	See IMPERIAL For Substitute		044709	See IMPERIAL For Substitute		043037	See IMPERIAL For Substitute		043012	See IMPERIAL For Substitute	

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NOTE: IMPERIAL Substitute - see page B8-53

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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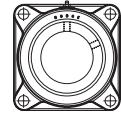
Old to New S-2000 Round Flange

Shaft Size Inch	TRIDENT Triple Lip Seal					Labyrinth Seal				
	Old S2000	Non-Expansion		Old S2000	Expansion	Old S2000	Non-Expansion		Old S2000	Expansion
1 -3/16	044711	See IMPERIAL For Substitute		044739	See IMPERIAL For Substitute	---	See IMPERIAL For Substitute		---	See IMPERIAL For Substitute
1 -1/4	044712			044740		045134			045159	
1 -3/8	044713	070436	F3R-S2-106R	044741	070470 F3R-S2-106RE	045134	070491	F3R-S2-106L	045160	070523 F3R-S2-106LE
1 -7/16	044714	070437	F3R-S2-107R	044742	070471 F3R-S2-107RE	045136	070492	F3R-S2-107L	045161	070524 F3R-S2-107LE
1 -1/2	044715	070438	F3R-S2-108R	044743	070472 F3R-S2-108RE	045137	070493	F3R-S2-108L	045162	070525 F3R-S2-108LE
1 -5/8	044716	See IMPERIAL For Substitute		044744	See IMPERIAL For Substitute	045138	See IMPERIAL For Substitute		045163	See IMPERIAL For Substitute
1 11/16	044717	070440	F4R-S2-111R	044745	070474 F4R-S2-111RE	045139	070495	F4R-S2-111L	045164	070527 F4R-S2-111LE
1 -3/4	044718	070441	F4R-S2-112R	044746	070475 F4R-S2-112RE	045140	070496	F4R-S2-112L	045165	070528 F4R-S2-112LE
1 -7/8	044719	See IMPERIAL For Substitute		044747	See IMPERIAL For Substitute	045141	See IMPERIAL For Substitute		045166	See IMPERIAL For Substitute
1 -15/16	044720	070442	F4R-S2-115R	044748	070476 F4R-S2-115RE	045142	070497	F4R-S2-115L	045167	070529 F4R-S2-115LE
2	044721	070443	F4R-S2-200R	044749	070477 F4R-S2-200RE	045143	070498	F4R-S2-200L	045168	070530 F4R-S2-200LE
2 -3/16	044722	070444	F4R-S2-203R	044750	070478 F4R-S2-203RE	045144	070499	F4R-S2-203L	045169	070531 F4R-S2-203LE
2 -1/4	044723	See IMPERIAL For Substitute		044751	See IMPERIAL For Substitute	045145	See IMPERIAL For Substitute		045170	See IMPERIAL For Substitute
2 -7/16	044725	070446	F4R-S2-207R	044753	070480 F4R-S2-207RE	045147	070501	F4R-S2-207L	045172	070533 F4R-S2-207LE
2 -1/2	044726	See IMPERIAL For Substitute		044754	See IMPERIAL For Substitute	045148	See IMPERIAL For Substitute		045173	See IMPERIAL For Substitute
2 -11/16	044727	070448	F4R-S2-211R	044755	070482 F4R-S2-211RE	045149	070503	F4R-S2-211L	045174	070535 F4R-S2-211LE
2 -3/4	044728	See IMPERIAL For Substitute		044756	See IMPERIAL For Substitute	045150	See IMPERIAL For Substitute		045175	See IMPERIAL For Substitute
2 -15/16	044729	070449	F4R-S2-215R	044757	070483 F4R-S2-215RE	045151	070504	F4R-S2-215L	045176	070536 F4R-S2-215LE
3	044730	070450	F4R-S2-300R	044758	070484 F4R-S2-300RE	---	070505	F4R-S2-300L	---	070537 F4R-S2-300LE

“---” = Not Previously Offered

NOTE: IMPERIAL Substitute - see page B8-54

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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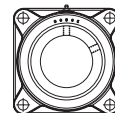
Old to New S-2000 Square Flange

Shaft Size Inch	TRIDENT Triple Lip Seal						Labyrinth Seal					
	Old S2000	Non-Expansion		Old S2000	Expansion		Old S2000	Non-Expansion		Old S2000	Expansion	
1-3/8	---	070541	F4S-S2-106R	---	070564	F4S-S2-106RE	---	070600	F4S-S2-106L	---	070853	F4S-S2-106LE
1-7/16	---	070542	F4S-S2-107R	---	070565	F4S-S2-107RE	---	070601	F4S-S2-107L	---	070854	F4S-S2-107LE
1-1/2	---	070543	F4S-S2-108R	---	070566	F4S-S2-108RE	---	070602	F4S-S2-108L	---	070855	F4S-S2-108LE
1-5/8	---	070544	F4S-S2-110R	---	070567	F4S-S2-110RE	---	070603	F4S-S2-110L	---	070856	F4S-S2-110LE
1-11/16	---	070545	F4S-S2-111R	---	070568	F4S-S2-111RE	---	070604	F4S-S2-111L	---	070857	F4S-S2-111LE
1-3/4	---	070546	F4S-S2-112R	---	070569	F4S-S2-112RE	---	070605	F4S-S2-112L	---	070858	F4S-S2-112LE
1-15/16	---	070547	F4S-S2-115R	---	070570	F4S-S2-115RE	---	070606	F4S-S2-115L	---	070859	F4S-S2-115LE
2	---	070548	F4S-S2-200R	---	070571	F4S-S2-200RE	---	070607	F4S-S2-200L	---	070860	F4S-S2-200LE
2-3/16	---	070549	F4S-S2-203R	---	070572	F4S-S2-203RE	---	070608	F4S-S2-203L	---	070861	F4S-S2-203LE
2-1/4	---	070550	F4S-S2-204R	---	070573	F4S-S2-204RE	---	070609	F4S-S2-204L	---	070862	F4S-S2-204LE
2-7/16	---	070551	F4S-S2-207R	---	070574	F4S-S2-207RE	---	070610	F4S-S2-207L	---	070863	F4S-S2-207LE
2-1/2	---	See IMPERIAL For Substitute		---	See IMPERIAL For Substitute		---	See IMPERIAL For Substitute		---	See IMPERIAL For Substitute	
2-11/16	---	070553	F4S-S2-211R	---	070576	F4S-S2-211RE	---	070612	F4S-S2-211L	---	070865	F4S-S2-211LE
2-15/16	---	070554	F4S-S2-215R	---	070577	F4S-S2-215RE	---	070613	F4S-S2-215L	---	070866	F4S-S2-215LE
3	---	070555	F4S-S2-300R	---	070578	F4S-S2-300RE	---	070614	F4S-S2-300L	---	070867	F4S-S2-300LE
3-3/16	044731	See IMPERIAL For Substitute		044759	See IMPERIAL For Substitute		045153	See IMPERIAL For Substitute		045178	See IMPERIAL For Substitute	
3-1/4	044732	See IMPERIAL For Substitute		044760	See IMPERIAL For Substitute		045154	See IMPERIAL For Substitute		045179	See IMPERIAL For Substitute	
3-7/16	044733	070557	F4S-S2-307R	044761	070580	F4S-S2-307RE	045155	070616	F4S-S2-307L	045180	070869	F4S-S2-307LE
3-1/2	044734	See IMPERIAL For Substitute		044762	See IMPERIAL For Substitute		045156	See IMPERIAL For Substitute		045181	See IMPERIAL For Substitute	
3-11/16	044735	See IMPERIAL For Substitute		044763	See IMPERIAL For Substitute		042918	See IMPERIAL For Substitute		042893	See IMPERIAL For Substitute	
3-15/16	044736	070559	F4S-S2-315R	044764	070582	F4S-S2-315RE	042919	070618	F4S-S2-315L	042894	070871	F4S-S2-315LE
4	044737	See IMPERIAL For Substitute		044765	See IMPERIAL For Substitute		042920	See IMPERIAL For Substitute		042895	See IMPERIAL For Substitute	

"---" = Not Previously Offered

NOTE: IMPERIAL Substitute - see page B8-54

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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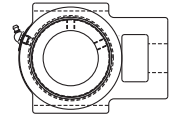
Old to New S-2000 Piloted Flange

Shaft Size Inch	TRIDENT Triple Lip Seal					Labyrinth Seal						
	Old S2000	Non-Expansion		Old S2000	Expansion		Old S2000	Non-Expansion		Old S2000	Expansion	
1 -3/16	044767	See IMPERIAL For Substitute		044846	See IMPERIAL For Substitute		045183	See IMPERIAL For Substitute		045208	See IMPERIAL For Substitute	
1-1/4	044768			044847			045184			045209		
1-3/8	044769	070644	FC-S2-106R	044848	070671	FC-S2-106RE	045185	070698	FC-S2-106L	045210	070725	FC-S2-106LE
1 -7/16	044770	070645	FC-S2-107R	044849	070672	FC-S2-107RE	045186	070699	FC-S2-107L	045211	070726	FC-S2-107LE
1-1/2	044771	070646	FC-S2-108R	044850	070673	FC-S2-108RE	045187	070700	FC-S2-108L	045212	070727	FC-S2-108LE
1-5/8	044772	See IMPERIAL For Substitute		044851	See IMPERIAL For Substitute		045188	See IMPERIAL For Substitute		045213	See IMPERIAL For Substitute	
1-11/16	044773	070648	FC-S2-111R	044852	070675	FC-S2-111RE	045189	070702	FC-S2-111L	045214	070729	FC-S2-111LE
1-3/4	044774	070649	FC-S2-112R	044853	070676	FC-S2-112RE	045190	070703	FC-S2-112L	045215	070730	FC-S2-112LE
1-15/16	044776	070650	FC-S2-115R	044855	070677	FC-S2-115RE	045192	070704	FC-S2-115L	045217	070731	FC-S2-115LE
2	044777	070651	FC-S2-200R	044856	070678	FC-S2-200RE	045193	070705	FC-S2-200L	045218	070732	FC-S2-200LE
2 -3/16	044778	070652	FC-S2-203R	044857	070679	FC-S2-203RE	045194	070706	FC-S2-203L	045219	070733	FC-S2-203LE
2-1/4	044779	See IMPERIAL For Substitute		044858	See IMPERIAL For Substitute		045195	See IMPERIAL For Substitute		045220	See IMPERIAL For Substitute	
2-3/8	044780	See IMPERIAL For Substitute		044859	See IMPERIAL For Substitute		045196	See IMPERIAL For Substitute		045221	See IMPERIAL For Substitute	
2 -7/16	044781	070654	FC-S2-207R	044860	070681	FC-S2-207RE	045197	070708	FC-S2-207L	045222	070735	FC-S2-207LE
2-1/2	044782	See IMPERIAL For Substitute		044861	See IMPERIAL For Substitute		045198	See IMPERIAL For Substitute		045223	See IMPERIAL For Substitute	
2-11/16	044783	070656	FC-S2-211R	044862	070683	FC-S2-211RE	045199	070710	FC-S2-211L	045224	070737	FC-S2-211LE
2-3/4	044784	See IMPERIAL For Substitute		044863	See IMPERIAL For Substitute		045200	See IMPERIAL For Substitute		045225	See IMPERIAL For Substitute	
2-15/16	044785	070657	FC-S2-215R	044864	070684	FC-S2-215RE	045201	070711	FC-S2-215L	045226	070738	FC-S2-215LE
3	044786	070658	FC-S2-300R	044865	070685	FC-S2-300RE	045202	070712	FC-S2-300L	045227	070739	FC-S2-300LE
3 -3/16	044787	See IMPERIAL For Substitute		044866	See IMPERIAL For Substitute		045203	See IMPERIAL For Substitute		045228	See IMPERIAL For Substitute	
3 -7/16	044789	070660	FC-S2-307R	044868	070687	FC-S2-307RE	045205	070714	FC-S2-307L	045230	070741	FC-S2-307LE
3-1/2	044790	See IMPERIAL For Substitute		044869	See IMPERIAL For Substitute		045206	See IMPERIAL For Substitute		045231	See IMPERIAL For Substitute	
3-11/16	044791	See IMPERIAL For Substitute		044870	See IMPERIAL For Substitute		042943	See IMPERIAL For Substitute		042968	See IMPERIAL For Substitute	
3-15/16	044792	070662	FC-S2-315R	044871	070689	FC-S2-315RE	042944	070716	FC-S2-315L	042969	070743	FC-S2-315LE
4	044793	See IMPERIAL For Substitute		044872	See IMPERIAL For Substitute		042945	See IMPERIAL For Substitute		042970	See IMPERIAL For Substitute	
4 -7/16	045869	070664	FC-S2-407R	045870	070691	FC-S2-407RE	---	070718	FC-S2-407L	---	070745	FC-S2-407LE
4-15/16	045877	070666	FC-S2-415R	045878	070693	FC-S2-415RE	---	070720	FC-S2-415L	---	070747	FC-S2-415LE

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NOTE: IMPERIAL Substitute - see page B8-54

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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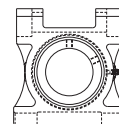
Old to New S-2000 Wide Slot Take Up

Shaft Size Inch	TRIDENT Triple Lip Seal				
	Old S2000	Non-Expansion		Old S2000	Expansion
1 -1/18	044873	See IMPERIAL For Substitute		044960	See IMPERIAL For Substitute
1 -3/16	044874			044961	
1 -1/4	044875			044962	
1 -3/8	044876	070752	WSTU-S2-106R	044963	070779 WSTU-S2-106RE
1 -7/16	044877	070753	WSTU-S2-107R	044964	070780 WSTU-S2-107RE
1 -1/2	044878	070754	WSTU-S2-108R	044965	070781 WSTU-S2-108RE
1 -5/8	044879	See IMPERIAL For Substitute		044966	See IMPERIAL For Substitute
1 -11/16	044880	070756	WSTU-S2-111R	044967	070783 WSTU-S2-111RE
1 -3/4	044881	070757	WSTU-S2-112R	044968	070784 WSTU-S2-112RE
1 -15/16	044883	070758	WSTU-S2-115R	044970	070785 WSTU-S2-115RE
2	044884	070759	WSTU-S2-200R	044971	070786 WSTU-S2-200RE
2 -3/16	044885	070760	WSTU-S2-203R	044972	070787 WSTU-S2-203RE
2 -1/4	044886	See IMPERIAL For Substitute		044973	See IMPERIAL For Substitute
2 -7/16	044888	070762	WSTU-S2-207R	044975	070789 WSTU-S2-207RE
2 -1/2	044889	See IMPERIAL For Substitute		044976	See IMPERIAL For Substitute
2 -11/16	044890	070764	WSTU-S2-211R	044977	070791 WSTU-S2-211RE
2 -3/4	044891	See IMPERIAL For Substitute		044978	See IMPERIAL For Substitute
2 -15/16	044892	070765	WSTU-S2-215R	044979	070792 WSTU-S2-215RE
3	044893	070766	WSTU-S2-300R	044980	070793 WSTU-S2-300RE
3 -3/16	044894	See IMPERIAL For Substitute		044981	See IMPERIAL For Substitute
3 -1/4	044950			044982	
3 -7/16	044951			044983	
3 -1/2	044952	See IMPERIAL For Substitute		044984	See IMPERIAL For Substitute
3 -11/16	044953	See IMPERIAL For Substitute		044985	See IMPERIAL For Substitute
3 -15/16	044954	070770	WSTU-S2-315R	044986	070797 WSTU-S2-315RE
4	044955	See IMPERIAL For Substitute		044987	See IMPERIAL For Substitute
4 -7/16	044956	070772	WSTU-S2-407R	044988	070799 WSTU-S2-407RE
4 -1/2	044957	See IMPERIAL For Substitute		044989	See IMPERIAL For Substitute
4 -15/16	044958	070774	WSTU-S2-415R	044990	070801 WSTU-S2-415RE
5	044959	See IMPERIAL For Substitute		044991	See IMPERIAL For Substitute

"---" = Not Previously Offered

NOTE: IMPERIAL Substitute - see page B8-55

S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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Old to New S-2000 TPHU Take Up

Shaft Size Inch	TRIDENT Triple Lip Seal					
	Old S2000	Non-Expansion		Old S2000	Expansion	
1-15/16	044993	070811	TPHU-S2-115R	045017	070829	TPHU-S2-115R
2	044994	070812	TPHU-S2-200R	045018	070830	TPHU-S2-200R
2-3/16	044995	070813	TPHU-S2-203R	045019	070831	TPHU-S2-203R
2-1/4	044996	See IMPERIAL For Substitute		045020	See IMPERIAL For Substitute	
2-7/16	044998	070815	TPHU-S2-207R	045022	070833	TPHU-S2-207R
2-1/2	045000	See IMPERIAL For Substitute		045023	See IMPERIAL For Substitute	
2-11/16	045001	070817	TPHU-S2-211R	045024	070835	TPHU-S2-211R
2-15/16	045003	070818	TPHU-S2-215R	045026	070836	TPHU-S2-215R
3	045004	070819	TPHU-S2-300R	045027	070837	TPHU-S2-300R
3-3/16	045005	See IMPERIAL For Substitute		045028	See IMPERIAL For Substitute	
3-7/16	045007	070821	TPHU-S2-307R	045030	070839	TPHU-S2-307R
3-1/2	045008	See IMPERIAL For Substitute		045031	See IMPERIAL For Substitute	
3-15/16	045010	070823	TPHU-S2-315R	045033	070841	TPHU-S2-315R
4	045011	See IMPERIAL For Substitute		045034	See IMPERIAL For Substitute	
4-7/16	045012	070825	TPHU-S2-407R	045035	070843	TPHU-S2-407R
4-1/2	045012	See IMPERIAL For Substitute		045036	See IMPERIAL For Substitute	
4-15/16	045014	070827	TPHU-S2-415R	045037	070845	TPHU-S2-415R

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Discontinued S-2000 2-Bolt Pillow Block to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal				Labyrinth Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
1-1/8	044608	069400	044636	069428	045050	069456	045075	069484
1-3/16	044609	069401	044637	069429	045051	069457	045076	069485
1-1/4	044610	069402	044638	069430	045052	069458	045077	069486
1-5/8	044614	069403	044642	069434	045056	069462	045081	069490
1-7/8	044617	069409	044645	069437	---	069465	---	069493
2-1/4	044621	069413	044649	069441	045063	069469	045088	069497
2-3/8	044622	069414	044650	069442	---	069470	---	069498
2-1/2	044624	069416	044652	069444	045066	069472	045091	069500
2-3/4	044626	069418	044654	069446	045068	069474	045093	069502
3-3/16	044629	069421	044657	069449	045071	069477	045096	069505
3-1/4	044630	069422	044658	069450	---	069478	---	069506
3-1/2	044632	069424	044660	069452	045074	069480	045099	069508
3-11/16	044633	069425	044661	069453	---	069481	---	069509
4	044635	069427	044663	069455	042760	069483	042785	069511

“---”= Not Previously Offered in S2000

Discontinued S-2000 4-Bolt Pillow Block to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal				Labyrinth Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
2-1/2	044671	069522	044694	069540	045107	069558	045123	069576
3-3/16	044676	069527	044699	069545	045112	069563	045128	069581
3-1/4	044677	069528	044700	069546	045113	069564	045128	069582
3-1/2	044679	069530	044702	069548	045115	069566	045131	069584
3-11/16	044680	069531	044703	069549	043031	069567	043006	069585
4	044682	069533	044705	069551	043033	069569	043008	069587
4-1/2	044684	069535	044707	069553	043035	069571	043010	069589
5	044686	069537	044709	069555	043037	069573	043012	069591



Discontinued S-2000 Round Flange to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal				Labyrinth Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
1 -3/16	044711	069593	044739	069631	---		---	
1-1/4	044712	069594	044740	069632	045134	069653	045159	069674
1-5/8	044716	069598	044744	069636	045138	069657	045163	069678
1-7/8	044719	069601	044747	069639	---		---	
2-1/4	044723	069605	044751	069643	045145	069664	045170	069685
2-1/2	044726	069608	044754	069646	045148	069667	045173	069688
2-3/4	044728	069610	044756	069648	045150	069669	045175	069690

“---”= Not Previously Offered in S2000

Discontinued S-2000 Square Flange to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal				Labyrinth Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
3-1/4	044732	069715	044760	069743	045154	069771	045179	069799
3-1/2	044734	069717	044762	069745	045156	069773	045181	069801
3-11/16	044735	069718	044763	069746	042918	069774	042893	069802
4	044737	069720	044765	069748	042920	069776	042895	069804

Discontinued S-2000 Piloted Flange to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal				Labyrinth Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
1 -3/16	044767	069806	044846	069838	045183	069870	045208	069902
1-1/4	044768	069807	044847	069839	045184	069871	045209	069903
1-5/8	044772	069811	044851	069843	045188	069875	045213	069907
2-1/4	044779	069818	044858	069850	045195	069882	045220	069914
2-3/8	044780	069819	044859	069851	045196	069883	045221	069915
2-1/2	044782	069821	044861	069853	045198	069885	045223	069917
2-3/4	044784	069823	044863	069855	045200	069887	045225	069919
3 -3/16	044787	069826	044866	069858	045203	069890	045228	069922
3-1/2	044790	069829	044869	069861	045206	069893	045231	069925
3-11/16	044791	069830	044870	069862	042943	069894	042968	069926
4	044793	069832	044872	069864	042945	069896	042970	069928

IMPERIAL FEATURES PAGE B10-2	IMPERIAL HOW TO ORDER PAGE B10-6	IMPERIAL NOMENCLATURE PAGE B10-7	IMPERIAL SELECTION PAGE B10-17
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INTERCHANGE



Discontinued S-2000 WSTU to New IMPERIAL

Shaft Size Inch	TRIDENT Triple Lip Seal			
	Old S2000	IMPERIAL Non-Expansion Substitute	Old S2000	IMPERIAL Expansion Substitute
1 -1/18	044873	069340	044960	069368
1 -3/16	044874	069341	044961	069369
1 -1/4	044875	069342	044962	069370
1 - 5/8	044879	069346	044966	069374
2 -1/4	044886	069353	044973	069381
2 -1/2	044889	069356	044976	069384
2 -3/4	044891	069358	044978	069386
3 -3/16	044894	069361	044981	069389
3 -1/4	044950	069362	044982	069390
3 -1/2	044952	069364	044984	069392
3 -11/16	044953	069365	044985	069393
4	044955	069367	044987	069395

NOTES



S-2000 FEATURES/BENEFITS PAGE B8-3	S-2000 NOMENCLATURE PAGE B8-7	S-2000 SELECTION PAGE B8-9	S-2000 DIMENSION PAGE B8-18
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