
NSK-RHP is part of the international NSK group who are one of the world's leading manufacturers of rolling bearings, automotive components and mechatronic products.

The group has more than 30 manufacturing units around the world, employing over 21,000 people and is represented by sales offices and Authorised Distributors almost everywhere.

Our manufacturing programme includes bearings from 1mm bore to 5 metres, covering virtually all conceivable application areas. Self-Lube is an integral part of our comprehensive product range.

Every care has been taken to ensure that the information in this publication is accurate but no liability can be accepted for any errors or omissions.

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Introduction

Self-Lube is the registered trademark for the RHP range of wide inner ring bearings and mounted bearing units.

Self-Lube units provide simple and effective bearing arrangements capable of accommodating moderate initial misalignment from mounting errors. They are easily mounted onto commercial shafting and are particularly useful where fabricated machine frames are employed.

The units are available in a variety of pillow block and flange mounted configurations with one piece cast iron or two piece pressed steel housings.

Self-Lube inserts are wide inner ring ball bearings that are effectively and efficiently sealed. Simple fitting onto standard shafting is provided for by means of eccentric locking collar, set screws or adapter sleeve.

The reliability, simplicity and ease of assembly of items in the Self-Lube range has resulted in their popularity for agricultural, extraction and construction machinery as well as process and automation equipment.

Product Selection

The purpose of this catalogue is to introduce the RHP Self-Lube range and provide the necessary technical information for assisting in selecting the most appropriate Self-Lube product for most applications. NSK-RHP can provide many other items which are covered in further publications and can provide additional advice.

Examples of calculation methods used when making a selection are included within this catalogue together with advice and information about mounting.

In line with our policy of continuous improvement, we reserve the right to amend the details in this catalogue without prior notice. If you have any doubts when making an application selection, or if you require additional information, please contact NSK-RHP.

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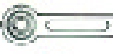
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Housing type ▼		Insert type				
						
		1000G	1000DECG	1200G	1200DECG	
Cast Iron one piece		Page	80	82	83	84
		24	NP	NP-DEC	NP-A	NP-EC
		30	SL	SL-DEC	SL-A	SL-EC
		32	MP			
		38	SNP	SNP-DEC	SNP-A	SNP-EC
		38	CNP	CNP-DEC	CNP-A	CNP-EC
		38	SF	SF-DEC	SF-A	SF-EC
		40	MSF			
		44	SFT	SFT-DEC	SFT-A	SFT-EC
		46	MSFT			
		50	LFTC	LFTC-DEC	LFTC-A	LFTC-EC
		52	FC	FC-DEC	FC-A	FC-EC
		54	MFC			
		56	ST	ST-DEC	ST-A	ST-EC
		58	MST			
Pressed steel two piece		62	BT		BT-A	BT-EC
		64	SLC	SLC-DEC	SLC-A	SLC-EC
		66	MSC			
		68	SCHB			
		68	SCH			
		70	SLFE	SLFE-DEC	SLFE-A	SLFE-EC
		72	SLFT	SLFT-DEC	SLFT-A	SLFT-EC
		74	SLFL	SLFL-DEC	SLFL-A	SLFL-EC
		76	LPS	LPS-DEC	LPS-A	LPS-EC
		78	LPSH	LPSH-DEC	LPSH-A	LPSH-EC

Insert type						
						
T1000G	T1000 DECG	1000-GFS	1000DECGFS	1000-KG		
88	90	91	92	88	Page	
TNP	TNP-DEC	NP-FS	NP-DECFS	NP1000-K	28	
TSL	TSL-DEC	SL-FS	SL-DECFS	MP1000-K	34	
TMP		MP-FS				
TSNP	TSNP-DEC	SNP-FS	SNP-DECFS			
TCNP	TCNP-DEC	CNP-FS	CNP-DECFS			
TSF	TSF-DEC	SF-FS	SF-DECFS	MSF1000-K	42	
TMSF		MSF-FS				
TSFT	TSFT-DEC	SFT-FS	SFT-DECFS	MSFT1000-K	48	
TMSFT		MSFT-FS				
TLFTC	TLFTC-DEC	LFTC-FS	LFTC-DECFS			
TFC	TFC-DEC	FC-FS	FC-DECFS			
TMFC		MFC-FS				
TST	TST-DEC	ST-FS	ST-DECFS	MST1000-K	60	
TMST		MST-FS				
TBT		BT-FS				
TSLC	TSLC-DEC	SLC-FS	SLC-DECFS			
TMSC		MSC-FS				
TSCHB		SCHB-FS				
TSCH		SCH-FS				
TSLFE	TSLFE-DEC	SLFE-FS	SLFE-DECFS			
TSLFT	TSLFT-DEC	SLFT-FS	SLFT-DECFS			
TSFL	TSFL-DEC	SLFL-FS	SLFL-DECFS			

Under the heading of Self-Lube bearings there are two basic products: the Self-Lube bearing insert and the Self-Lube bearing unit.

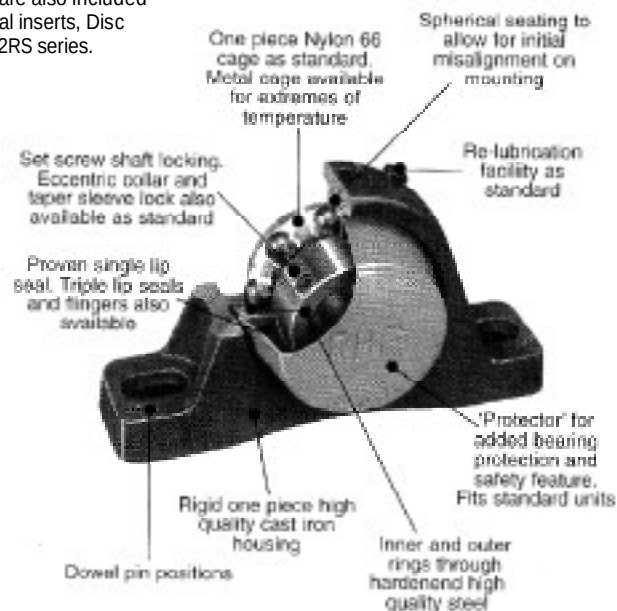
Self-Lube bearing insert

The Self-Lube bearing insert, commonly known as a wide inner ring bearing, is designed to suit the wide range of housings offered by RHP in the Self-Lube bearing unit range and is also suitable for applications where the user's own housing is preferred.

They are basically deep-groove ball bearings to the internationally popular 6200 series configuration with integral design features making them more functional and versatile than the standard ball bearing. The radial internal clearance is C3 for standard bearing inserts and they are offered with either parallel or spherical outside diameter outer rings with the latter being the type fitted in the bearing unit.

The integral design features of the bearing insert such as shaft locking, seals and lubrication are explained in the following pages.

Variations of the basic series which have been designed for specific applications are also included in this catalogue, e.g. Triple Lip Seal inserts, Disc Harrow bearings and the 1726200-2RS series.



Self-Lube bearing unit

The RHP range of Self-Lube bearing units offer a wide choice of cast iron, pressed steel or synthetic rubber housings fitted with the full range of Self-Lube bearing inserts, with spherical outside diameter. They will accommodate initial housing misalignment up to 0,030 radians but are not recommended for running misalignment in excess of 0,001 radians.

The general housing types are pillow blocks, flange units, take-up units, cartridge units and hanger units. Choice is very much determined by the requirements of the application, although the aesthetic appearance of the machine design is often an important consideration. Self-Lube units have been designed to meet the needs of both criteria.

The castings are made from high-quality cast iron, and finished on all unmachined surfaces with an electrostatic air drying paint.

Pressed steel housings are made from mild steel strip, and are zinc plated. Rubber housings are moulded in antistatic nitrile rubber.

Additional Products

RHP does recognise the need for the 'tailor made' and is always willing to help customers who have a requirement for something out of the ordinary, commensurate with meeting certain price and volume criteria. The glossary of some of the special inserts and units which RHP currently manufactures is shown on pages 103 to 104.

List of common Prefixes and Suffixes

Prefixes

B	Unit or bearing insert supplied without locking collar.
J	Grease groove on the side of the bearing insert nearest to the locking device.
T	Triple lip sealed bearing insert.

Suffixes

A	Unit fitted with set screw lock insert with flush inner ring on one side.
C4	Radial clearance greater than C3.
CG	Parallel outside diameter insert with grease groove and snap ring fitted.
DEC	Eccentric collar lock with extended inner ring.
DL	Double locking inner ring - 4 set screws (2 each end).
EC	Eccentric collar lock with flush inner ring on one side.
FS	Bearing insert fitted with flinger seals.
G	Bearing insert having relubrication facility.
H	Bearing insert with hexagon bore.
HLT	High and Low temperature bearing insert.
J	Bearing insert with pressed steel cage.
K	Bearing insert with tapered bore.
L	Larger than normal unit for the basic bore size.
R	Smaller than normal unit for the basic bore size.

Self-Lube Protector

The RHP Self-Lube Protector is designed to protect the machine operator from the dangers of rotating shaft ends and the external surfaces of the bearing from contamination.

The Protector is made from good quality mild steel and coated with enamel paint making it robust, attractive and long lasting. It is easy to fit and can be removed without breakage or deformation thus allowing it to be refitted time after time.

Standard Self-Lube inserts with spherical outside diameters have a 'groove' in the outer ring on the opposite side from the grease groove. The Protector has two claws which locate through the casting loading slots with the 'groove' in the outer ring. This provides a very secure lock and makes the Protector difficult to dislodge. The user of Self-Lube units is not required to purchase special bearings or provide any additional locking device.

The Protector can be removed by inserting a form of lever device into the small hole in one of the claws and exerting slight pressure outwards. This disengages the claw from the outer ring 'groove'. A replaceable cover for the hole is provided.

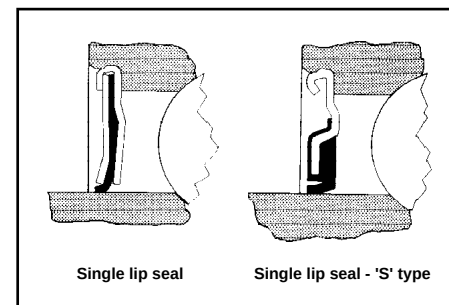


(Patented)

Single lip seal

The standard Self-Lube sealing arrangement consists of a nitrile and fabric sealing element sandwiched between two metal pressings. This has been successfully proven over the years on a wide variety of applications.

The 'S' type seal now introduced incorporates further design developments. The nitrile seal (black in colour) is bonded to a strong steel former firmly secured in the bearing outer ring. The flexible sealing lip contacts the fine ground finish of the inner ring to give low friction with effective sealing.



Single lip seal

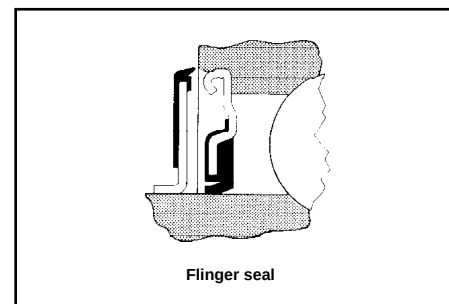
Single lip seal - 'S' type

Flinger Seal

Where extra protection is required without loss of bearing catalogue speed, the 'Flinger seal' is ideal. It consists of a steel flange to which is bonded a flexible nitrile sealing lip.

They are offered for the 1000 and 1000DEC types and are identified with the suffix FS (e.g. 1025-25GFS, NP25FS).

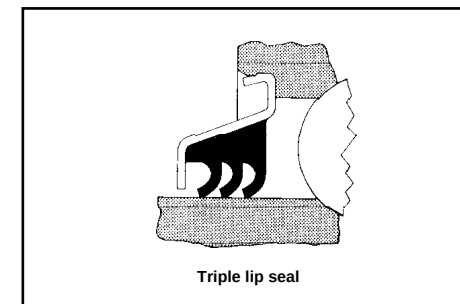
Please check availability.



Flinger seal

Triple lip seal

For applications with a high degree of contamination, the specially developed RHP triple lip seal is recommended. It consists of a one-piece moulded nitrile seal with three sealing lips, bonded to a protective steel outer pressing which is strongly secured in the outer ring making a highly efficient sealing arrangement. It is not recommended for high speeds. See pages 88 to 90 inclusive.

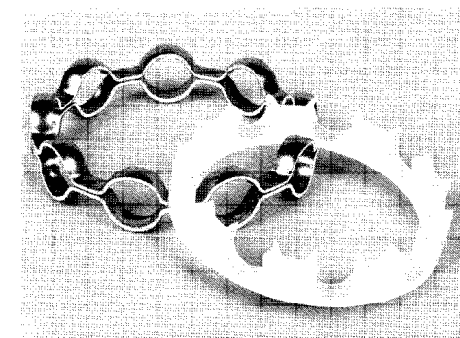


Triple lip seal

Cages

Plastic cages. All standard Self-Lube bearing inserts are fitted with nylon 66 cages.

Steel cages. Bearings specified to operate at extremes of temperature are fitted with steel cages.



Lubrication

Self-Lube bearings are factory charged with the correct amount of grease and do not require a further grease charge when being fitted.

Re-lubrication is not normally necessary except when operating at extremes of temperature, speed, loading, extended running, or where excessive wet or dirty conditions exist. The re-greasing cycle is dependent upon each application, and in such cases please consult NSK-RHP, or refer to the RHP Technical Handbook.

All cast iron units are fitted with a standard re-greaseable bearing insert. The housings are provided with a tapped hole to facilitate relubrication and supplied with a plastic plug and grease nipple. All such units are tapped 1/4" UNF except for the FC series which is tapped M5 x 0,8 pitch.

Note: A grease adapter (ref. 1003G) is available to fit the 1/4" UNF tapped hole to give 1/8" BSP female fitting.

To make the unit re-greaseable, insert grease nipple provided.

The pressed steel housings are not provided with a re-greasing facility.

Suitable greases for re-lubricating standard Self-Lube bearings are premium quality lithium based of No. 2 1/2 or No.3 consistency. See table below.

Unit	Unit temperature range	Grease	Supplier
Standard	-20°C to +110°C	Nerita HV	Shell
		Albida R2	Shell
		Alvania R3	Shell
		Alvania RA	Shell
		LZR2	Silkolene
		Energrease LS3	BP
		Beacon 3	Esso Petroleum
		Multis Special 3	Total
		Lupus A3	Century Oils
		Mobilux 3	Mobil Oil
Low Temperature	down to -40°C	Kluber Asonic HQ72-102	
High Temperature	up to 180°C	Kluber Asonic HQ72-102	

High and Low temperature inserts/units

Bearing inserts and units can be supplied for operating up to a maximum temperature of +180°C and down to a minimum temperature of -40°C.

Re-greasing is essential for these bearings using the recommended grease shown in the table. Other greases must not be used.

These bearings are fitted with a steel cage and provided with C5 radial internal clearance as standard.

When ordering please add the suffix HLT to the insert or unit reference, e.g. NP25EC HLT.

Set screw lock

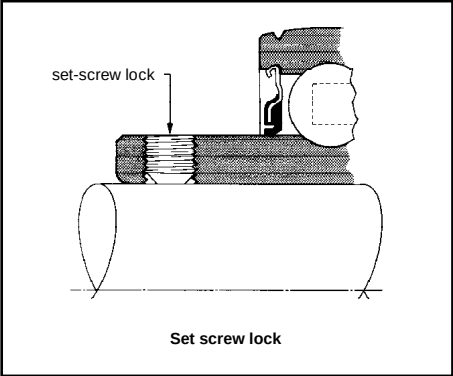
This locking arrangement consists of two knurled cup-point, self-locking, socket-head set screws fitted in the extended inner ring .

For normal loads and moderate speeds simply mount the bearing unit into position and tighten down the set screws to the recommended torque value.

Additional security can be achieved by spot drilling the shaft to accommodate the set screw point. When spot drilling, first remove the set screw and locate the unit in position on the shaft. Select a drill the size of the inner ring threads minor diameter, and drill through this hole into the shaft to the depth of the drill point.

Replace the set screw and tighten onto the shaft in the normal manner.

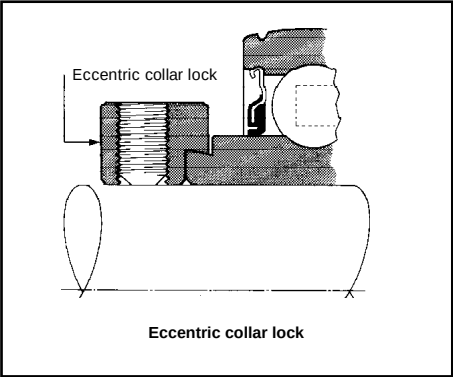
The recommended tightening torques for the set screws are given on page 14.



Eccentric collar lock

This type of lock consists of an eccentric diameter formed on the extended inner ring of the bearing which engages a similarly formed eccentric diameter in the bore of a separate collar.

Locking is achieved by turning the collar in the direction of shaft rotation until the eccentric diameters of both collar and inner ring are fully engaged. The collar is provided with a blind hole to facilitate tightening when locking the bearing to the shaft. The set screw when tightened to the recommended torque values on page 14 prevents the collar 'backing off' in service.

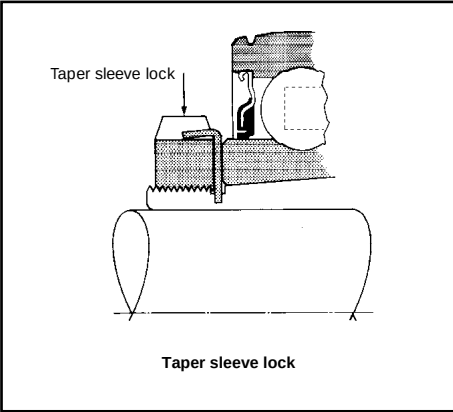


Taper sleeve lock

This locking arrangement which incorporates a standard taper adapter sleeve, locknut and lock washer, is recommended when a positive concentric (shaft) lock is required.

When fitting the bearing to the shaft, care must be taken to ensure that the locknut is not overtightened as this can eliminate the bearing internal clearance, resulting in premature failure. A lockwasher is provided which prevents the locknut 'backing off' when one of the tabs is engaged with the corresponding notch in the locknut. (See page 15 for fitting instructions.)

The recommended tightening torques for the locknuts are given on page 14.



Set screw thread and size

Basic bearing insert reference	Series			
	1000G, 1100, 1200G, 1300		1000 DECG, 1100DEC, 1200ECG, 1300EC	
	Inch bore diameters	Metric bore diameters	Inch bore diameters	Metric bore diameters
1017	1/4UNF	M6 x 0,75	1/4UNF	M6 x 0,75
1020	1/4UNF	M6 x 0,75	1/4UNF	M6 x 0,75
1025	1/4UNF	M6 x 0,75	1/4UNF	M6 x 0,75
1030	1/4UNF	M6 x 0,75	5/16UNF	M8 x 1,00
1035	1/4UNF	M6 x 0,75	3/8UNF	M10 x 1,25
1040	5/16UNF	M8 x 1,00	3/8UNF	M10 x 1,25
1045	5/16UNF	M8 x 1,00	3/8UNF	M10 x 1,25
1050	5/16UNF	M8 x 1,00	3/8UNF	M10 x 1,25
1055	3/8UNF	M10 x 1,25	3/8UNF	M10 x 1,25
1060	3/8UNF	M10 x 1,25	3/8UNF	M10 x 1,25
1065	3/8UNF	M10 x 1,25	3/8UNF	M10 x 1,25
1070	3/8UNF	M10 x 1,25	3/8UNF	M10 x 1,25
1075	7/16UNF	M12 x 1,25	7/16UNF	M12 x 1,25
1080	7/16UNF	M12 x 1,25	-	-
1085	1/2UNF	M12 x 1,25	-	-
1090	1/2UNF	M12 x 1,25	-	-
3095	1/2UNF	M12 x 1,25	-	-

Set screw tightening torques and maximum axial loads

Set screw size	Socket/Allen key size (across flats)	Recommended maximum tightening torque		Set screw maximum axial load	
		newton metres (Nm)	lbf-inches	newtons (N)	lbf
1/4UNF	1/8"	6,8	60	2500	560
5/16UNF	5/32"	12,4	110	3500	785
3/8UNF	3/16"	22,6	200	4500	1010
7/16 UNF	7/32"	31,6	280	7500	1685
1/2UNF	1/4"	45,2	400	9000	2025
M6 x 0,75	3mm	5,7	50	2500	560
M8 x 1,00	4mm	12,4	110	3500	785
M10 x 1,25	5mm	27,1	240	5000	1235
M12 x 1,25	6mm	38,4	340	8000	1800

Note For axial loads in excess of the values listed a shouldered shaft against the face of the inner ring is recommended. Maximum axial loads with a shouldered shaft are shown on page 21.

Recommended tightening torques for adapter sleeve units

Sleeve bore size	Tightening torques	
	Nm	lbf-ins
20mm, 3/4"	30	265
25mm, 15/16", 1"	40	355
30mm, 1 1/8", 1 3/16"	50	440
35mm, 1 1/4", 1 3/8"	60	530
40mm, 1 7/16", 1 1/2"	65	575
45mm, 1 11/16", 1 3/4"	75	660
50mm, 1 15/16" 2"	85	750

General notes on mounting

To prevent the possibility of damage to the bearing due to faulty installation, Self-Lube housings should always be bolted to the equipment and secured in position together with the shaft assembly before locking the inner rings onto the shaft. Failure to do so could result in axial preload leading to premature failure.

Clean, straight shafting should always be used, with a chamfered shaft end to provide a lead into the bearing bore.

It is important to ensure that the set screws are clear of the bearing bore before the unit is assembled onto the shaft.

The Self-Lube bearings will normally slide over the shaft but if a force fit is required a correctly sized brass tube should be used to press against the inner ring face. Never hammer the end of the inner ring or housing as this may damage the bearing.

When a shaft mounting is complete, turn the shaft to make certain it rotates freely without binding.

When using the spot drill method for the set screw seating, be careful not to damage the screw threads of the inner ring with the drill.

All cast iron bearing housings should be mounted, whenever possible, so that they are in compression under load, not tension, i.e. take-up units should be mounted with the adjuster pushing against the housing for take-up adjustment.

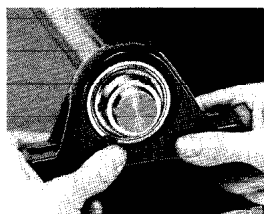
Cast iron housings should not be used on applications with heavy reversing or pulsating axial loads.

Special consideration should be given to applications with long bearing centre distances, or cases where the bearing could be subject to induced loads caused by differential expansion due to temperature change. In such cases please consult NSK-RHP.

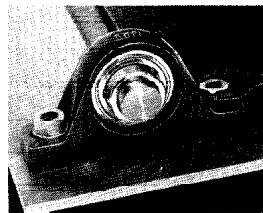
Additional notes on mounting Self-Lube adapter sleeve units

- 1 First bolt the Self-Lube housing to the equipment and clean the shaft and sleeve bore of any oil or grease.
- 2 Position the shaft within the unit and tighten up the locknut by hand. If the sleeve assembly turns on the shaft tap the sleeve into the bearing to give a positive grip. Tighten locknut to recommended torque value given on page 14.
- 3 Where torque spanner facilities are not available a blunt drift and small hammer may be used to tighten the nut.
- 4 Check that the bearing rotates freely, to ensure that the internal clearance has not been totally removed and that preload has been avoided.
- 5 Finally, secure the nut with the appropriate tab on the locking washer.
- 6 After 100 hours running it is advisable to check the tightness of the locknut.

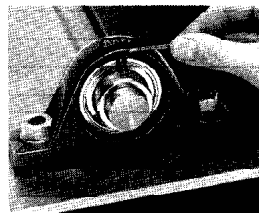
Self-Lube cast iron pillow block units



1 Relieve set screws clear of the bore and slide bearing onto the shaft.

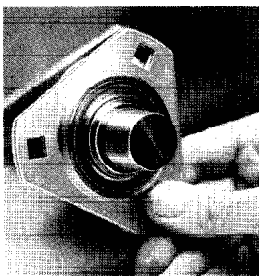


2 Bolt the unit down on to a flat surface but do not over-tighten.

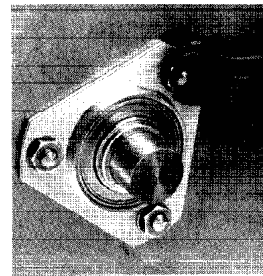


3 Tighten set screws to recommended torque.

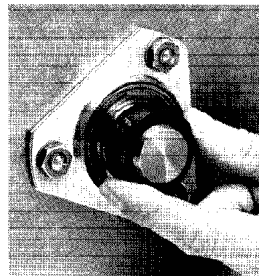
Self-Lube pressed steel flange units



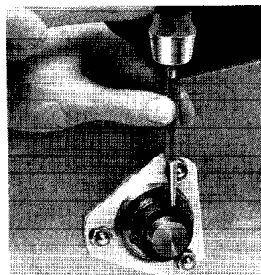
1 Assemble bearing and housing and slide onto the shaft. Do not engage collar.



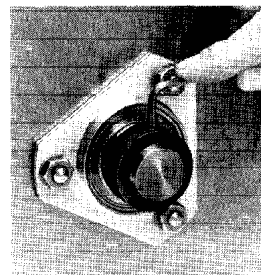
2 Lightly tighten bolts, repeat at other end of shaft and then finally tighten bolts on both sides.



3 Engage the eccentric collar in direction of shaft rotation.



4 Tighten collar with drift pin.



5 Tighten collar set screw to recommended torque.

Dynamic load ratings

The RHP dynamic load ratings given in this catalogue and the relationship between these and bearing fatigue life are based on the ISO standard 281. (1990)

Basic dynamic radial load rating C_r

This is defined as the load that can be applied to the bearing to give a basic L_{10} rating life of one million revolutions. This is the life associated with 90% reliability which has been found by experience to be acceptable for normal engineering bearing applications. The majority of the bearings attain a much longer life and the median life is approximately five times the L_{10} life. Ratings for each series are given in the bearing tables and are used to calculate life for radial loads of constant magnitude and direction.

Equivalent dynamic radial load P_r

For applications where axial and radial loads are present they must be converted into a single equivalent radial load P_r and calculated as follows, where:

- F_r = actual radial load (N)
- F_a = actual axial load (N)
- Y = axial factor from table 18.2
- C_{or} = basic static load rating
- C_r = dynamic radial load rating
- f_o = axial load factor

Note: Axial load F_a must not exceed $0,5 C_{or}$. Select f_o from table 18.1 for the appropriate bearing insert. Calculate $\frac{f_o F_a}{C_{or}}$ and obtain the value

of Y from table 18.2

Calculate P_r where:

$$P_r = F_r$$

or

$$P_r = 0,56 F_r + Y F_a$$

Use whichever P_r value is the greatest.

Relationship between load and life

Having determined the equivalent load P_r the nominal L_{10} bearing life is calculated as follows:

$$L_{10} \text{ life in hours} = \left(\frac{C_r}{P_r} \right)^3 \times \frac{10^6}{60n}$$

where n = bearing operating speed (rev/min).

Alternatively, by using the loading ratio $\frac{C_r}{P_r}$ the

bearing L_{10} life can be estimated by reading off directly from the tables on page 20 under the appropriate speed column.

Basic static load rating C_{or}

This value is calculated in accordance with ISO standard 76 - 1987. Ratings for each series are given in the bearing tables.

Static equivalent radial load P_{or}

When static axial and radial loads are applied to a bearing these must be converted to an equivalent static radial load P_{or} where:

$$F_{or} = \text{actual static radial load (N)}$$

$$F_{oa} = \text{actual static axial load (N)}$$

Calculate P_{or} where:

$$P_{or} = F_{or}$$

or

$$P_{or} = 0,6 F_{or} + 0,5 F_{oa}$$

Use whichever P_{or} value is greater, but this value **should not exceed** the bearing static radial load rating C_{or} .

Service factors

It is customary when calculating bearing life to include application factors to allow for fluctuations in loading that occur in service, and from experience the following may be used as a guide.

For steady and light shock loads multiply load by 1.2 to 1.5.

For moderate shock loads multiply load by 1.7 to 2.0.

When selecting the size of bearing for a given load, the calculated life should conform to the L_{10} lives shown below:

Machines in use 8 hours/day - not fully utilised - 10,000 to 20,000 hours.

Machines in use 8 hours/day - fully utilised - 20,000 to 30,000 hours.

Machines in use 24 hours/day - 40,000 to 80,000 hours.

Machines in seasonal use - 4,000 to 8,000 hours.

Limiting loads

The axial load F_{0a} must not exceed half the basic static load rating C_{0r} . Housing strengths must also be considered as a limiting factor - see page 21.

Table 18.1

Basic bearing insert	f_0
1017	13,1
1020	13,1
1025	13,9
1030	13,8
1035	13,8
1040	14,0
1045	14,1
1050	14,4
1055	14,3
1060	14,3
1065	14,4
1070	14,4
1075	14,7
1080	14,6
1085	14,7
1090	14,5
3095	13,6

Table 18.2

$\frac{f_0 F_a}{C_{0r}}$	Y
0,172	2,30
0,345	1,99
0,689	1,71
1,03	1,55
1,38	1,45
2,07	1,31
3,45	1,15
5,17	1,04
6,89	1,00

Example 1

What nominal life can be obtained from NP55 with a steady radial load $F_r = 3900N$ at a speed of 1500 rev/min? The dynamic load rating C_r of the unit from page 25 is 43500N. Since the bearing is not subject to axial load the equivalent load $P_r = F_r$ according to the formula on page 17. Therefore applying the service factor of 1.2 for a steady load (given on page 17)

$$P_r = F_r \times 1.2 = 3900 \times 1.2 = 4680N.$$

From page 17,

$$\begin{aligned} L_{10} \text{ life in hours} &= \left(\frac{C_r}{P_r} \right)^3 \times \frac{10^6}{n \times 60} \\ &= \left(\frac{43500}{4680} \right)^3 \times \frac{10^6}{1500 \times 60} \\ &= 8923 \text{ hours} \end{aligned}$$

Alternatively, using the loading ratio tables on page 20 an approximate life can be obtained by locating the nearest $\frac{C_r}{P_r}$ value in the appropriate

rev/min column.

$$\text{Therefore } \frac{C_r}{P_r} = \frac{43500}{4680} = 9.29$$

Under the 1500 rev/min column the nearest $\frac{C_r}{P_r}$ value is 9.65 which gives an approximate life of 10000 hours.

Example 2

With a radial load $F_r = 2940N$ and an axial load $F_a = 1470N$ at 300 rev/min with moderate shock present, what nominal L_{10} life can be obtained from unit reference SF40?

The dynamic radial load rating (C_r) of the unit from page 39 is 29100N and the static load rating (C_{0r}) is 17900N.

Since the bearing is subject to radial and axial loads we have to establish the equivalent load P_r according to page 17.

$$\text{First, we establish the value of } \frac{f_0 F_a}{C_{0r}}$$

$$\frac{f_0 F_a}{C_{0r}} = \frac{14,0 \times 1470}{17900} = 1,15$$

Using this value, from table 18.2 we establish a value for $Y = 1,52$ by interpolation. From page 17 we then calculate the value of P_r .

$$P_r = 2940N$$

or

$$P_r = 0,56 (2940) + 1,52 (1470) = 3881N$$

Using the greater value of P_r and applying an application factor of 1,7 (page 17) for moderate shock loads then:

$$\begin{aligned} P_r &= 3881 \times 1,7 \\ &= 6598N \end{aligned}$$

From page 17:

$$\begin{aligned} L_{10} \text{ life hours} &= \left(\frac{C_r}{P_r} \right)^3 \times \frac{10^6}{60n} \\ &= \left(\frac{29100}{6598} \right)^3 \times \frac{10^6}{60 \times 300} \\ &= 4766 \text{ hours} \end{aligned}$$

Alternatively, using the loading ratio tables on page 20, an approximate life can be obtained by locating the nearest C_r/P_r value in the appropriate rev/min column.

$$\text{Therefore, } C_r/P_r = 29100/6598 = 4.41.$$

Under the 300 rev/min column page 20 the nearest value is 4.48 which gives an approximate life of 5000 hours.

Housing strength

To check the housing strength for the above example when the axial load $F_a = 1470N$ and applying an application factor of 1,7 then:

$$\text{axial load} = 1470 \times 1,7 = 2499N$$

From page 21 we see that the maximum axial loads for the above unit are:

- 0,45 C_{0r} in one direction, and
- 0,25 C_{0r} in the opposite direction.

Calculating these two maximum axial loads that may be applied to housing:

$$\begin{aligned} 0,45 \times 17900 &= 8055N \\ 0,25 \times 17900 &= 4475N \end{aligned}$$

From the above it can be seen that the housing will support the axial load of 2499N in either direction.

Therefore, the unit above is satisfactory for the loading conditions stated.

Note It is advisable to shoulder the shaft for high axial loads.

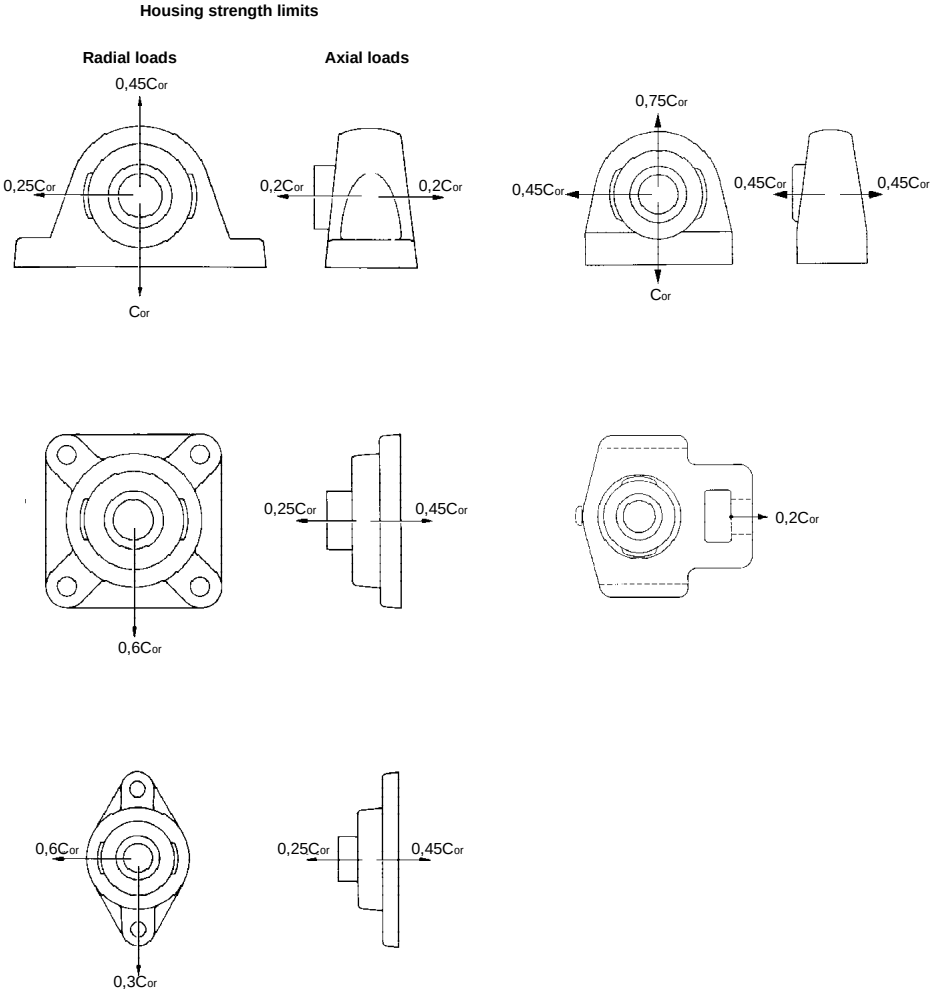
Life estimation for ball bearings for different $\frac{C_r}{P_r}$ ratios and speeds

L ₁₀ life (hours)	Speed: rev/min								
	25	50	100	150	200	300	500	750	1000
100					1.06	1.22	1.45	1.65	1.82
500		1.14	1.45	1.65	1.82	2.08	2.47	2.82	3.11
1000	1.14	1.44	1.82	2.08	2.29	2.62	3.11	3.56	3.91
1500	1.31	1.65	2.08	2.38	2.62	3.00	3.56	4.07	4.48
2000	1.45	1.82	2.29	2.62	2.88	3.30	3.91	4.48	4.93
3000	1.65	2.08	2.62	3.00	3.30	3.78	4.48	5.13	5.65
5000	1.96	2.47	3.11	3.56	3.91	4.48	5.32	6.08	6.70
7500	2.24	2.82	3.56	4.07	4.48	5.13	6.08	6.96	7.66
10000	2.47	3.11	3.91	4.48	4.93	5.65	6.70	7.66	8.43
19500	2.82	3.56	4.48	5.13	5.65	6.46	7.66	8.77	9.65
20000	3.11	3.91	4.93	5.65	6.21	7.11	8.43	9.65	10.6
30000	3.56	4.48	5.65	6.46	7.11	8.14	9.65	11.1	12.2
40000	3.91	4.93	6.21	7.11	7.81	8.96	10.6	12.2	13.4
60000	4.48	5.65	7.11	8.14	8.96	10.3	12.2	13.9	15.3
80000	4.93	6.21	7.81	8.96	9.83	11.3	13.4	15.3	16.8

L ₁₀ life (hours)	Speed: rev/min							
	1500	2000	3000	4000	5000	6000	8000	10000
100	2.08	2.29	2.62	2.88	3.11	3.30	3.63	3.91
500	3.56	3.91	4.48	4.93	5.32	5.65	6.21	6.69
1000	4.48	4.93	5.65	6.21	6.70	7.11	7.81	8.43
1500	5.13	5.65	6.46	7.11	7.65	8.15	8.96	9.65
2000	5.65	6.21	7.11	7.81	8.43	8.96	9.83	10.6
3000	6.46	7.11	8.14	8.96	9.65	10.3	11.3	12.2
5000	7.66	8.43	9.65	10.6	11.5	12.2	13.4	14.4
7500	8.77	9.65	11.1	12.2	13.1	13.9	15.3	16.5
10000	9.65	10.6	12.2	13.4	14.5	15.3	16.8	18.2
19500	11.1	12.2	13.9	15.3	16.5	17.5	19.3	20.8
20000	12.2	13.4	15.3	16.8	18.2	19.3	21.2	22.9
30000	13.9	15.3	17.5	19.3	20.8	22.1	24.3	26.2
40000	15.3	16.8	19.3	21.2	22.9	24.3	26.7	28.8
60000	17.5	19.3	22.1	24.3	26.2	27.8	30.7	33.0
80000	19.3	21.2	24.3	26.7	28.8	30.7	33.7	36.3

Maximum recommended steady housing loads

The maximum loads shown below are given as a proportion of the static load rating (C_{or}) of the bearing insert. Where the value of the axial load exceeds the set screw axial holding load listed on page 14, a shoulder on the shaft must be provided against the face of the inner ring. For shock load conditions additional safety factors must be applied.



Refer to RHP for other types giving application details

Tolerances and speeds

Inner ring bore tolerances - Set screw and eccentric collar types

Nominal bore diameter d				Tolerance			
mm above	incl.	inch above	incl.	0,001mm units high	low	0-0001 inch units high	low
10	18	0-3937	0-7087	+15	0	+6	0
18	31,750	0-7087	1-2500	+18	0	+7	0
31,750	50,800	1-2500	2-0000	+21	0	+8	0
50,800	80	2-0000	3-1496	+24	0	+9	0
80	100	3-1496	3-9370	+28	0	+11	0

The inner ring tolerances above do not apply to Disc Harrow type bearings shown on pages 94-101.

Inner ring bore tolerances - series 1726200 - 2RS and 1726300 - 2RS.

Nominal bore diameter d				Tolerance			
mm above	incl.	inch above	incl.	0,001mm units high	low	0-0001 inch units high	low
10	18	0-3937	0-7087	0	-8	0	-3
18	30	0-7087	1-1811	0	-10	0	-4
30	50	1-1811	1-9685	0	-12	0	-5

Outer ring outside diameter tolerances

Nominal outside diameter D		Tolerance			
mm above	incl.	0,001mm units high	low	0-0001 inch units high	low
30	50	0	-11	0	-4
50	80	0	-13	0	-5
80	120	0	-15	0	-6
120	150	0	-18	0	-7
150	180	0	-25	0	-10
180	250	0	-30	0	-12

Housing tolerances for parallel outside diameter inserts - series 1100, 1100DEC, 1300 and 1300EC

Nominal housing bore	Stationary outer ring				Rotating outer ring			
mm	Housing tolerance ISO H7		0-0001 inch units		Housing tolerance ISO N7		0-0001 inch units	
	0,001mm units high	low	high	low	0,001mm units high	low	high	low
40	+25	0	+10	0	-8	-33	-3	-13
47	+25	0	+10	0	-8	-33	-3	-13
52	+30	0	+12	0	-9	-39	-4	-15
62	+30	0	+12	0	-9	-39	-4	-15
72	+30	0	+12	0	-9	-39	-4	-15
80	+30	0	+12	0	-9	-39	-4	-15
85	+35	0	+14	0	-10	-45	-4	-18
90	+35	0	+14	0	-10	-45	-4	-18
100	+35	0	+14	0	-10	-45	-4	-18
110	+35	0	+14	0	-10	-45	-4	-18
120	+35	0	+14	0	-10	-45	-4	-18
125	+40	0	+16	0	-12	-52	-5	-20
130	+40	0	+16	0	-12	-52	-5	-20
140	+40	0	+16	0	-12	-52	-5	-20
150	+40	0	+16	0	-12	-52	-5	-20
160	+40	0	+16	0	-12	-52	-5	-20

Tolerances and speeds

Shaft tolerances and permissible speeds

Basic bearing insert	Shaft diameter		High loads - high speeds						Normal applications						Light loads - low speeds					
			Max. speed rev/ min	Shaft tolerance ISO h6				Max. speed rev/ min	Shaft tolerance ISO h7				Max. speed rev/ min	Shaft tolerance speedISO h9						
	mm	inches		0-001mm units high	low	0-0001inch units high	low		0,001mm units high	low	0-0001inch units high	low		0,001mm units high	low	0-0001inch units high	low			
1017	12-17	1/2-11/16	8800	0	-11	0	-4	5000	0	-18	0	-7	2000	0	-43	0	-17			
1020	20	3/4	7450	0	-13	0	-5	4200	0	-21	0	-8	1700	0	-52	0	-20			
1025	25	13/16-1	6250	0	-13	0	-5	3600	0	-21	0	-8	1350	0	-52	0	-20			
1030	25-30	7/8-11/4	5300	0	-13	0	-5	3100	0	-21	0	-8	1100	0	-52	0	-20			
1035	30-35	11/8-17/16	4500	0	-16	0	-6	2700	0	-25	0	-10	900	0	-62	0	-24			
1040	35-40	13/8-19/16	4000	0	-16	0	-6	2400	0	-25	0	-10	750	0	-62	0	-24			
1045	40-45	11/2-13/4	3700	0	-16	0	-6	2200	0	-25	0	-10	600	0	-62	0	-24			
1050	45-50	15/8-2	3400	0	-16	0	-6	1950	0	-25	0	-10	500	0	-62	0	-24			
1055	50-55	17/8-23/16	3100	0	-19	0	-7	1800	0	-30	0	-12	450	0	-74	0	-29			
1060	55-60	21/8-27/16	2800	0	-19	0	-7	1600	0	-30	0	-12	400	0	-74	0	-29			
1065	65	21/2	2600	0	-19	0	-7	1500	0	-30	0	-12	350	0	-74	0	-29			
1070	60-70	27/16-211/16	2450	0	-19	0	-7	1400	0	-30	0	-12	300	0	-74	0	-29			
1075	65-75	211/16-215/16	2300	0	-19	0	-7	1300	0	-30	0	-12	280	0	-74	0	-29			
1080	75-80	215/16-31/4	2150	0	-19	0	-7	1200	0	-30	0	-12	250	0	-74	0	-29			
1085	80-85	39/16-37/16	2000	0	-22	0	-9	1100	0	-35	0	-14	220	0	-87	0	-34			
1090	85-90	37/16-31/2	1900	0	-22	0	-9	1050	0	-35	0	-14	200	0	-87	0	-34			
3095	95-100	315/16-4	1600	0	-22	0	-9	1000	0	-35	0	-14	180	0	-87	0	-34			

For most applications the standard set screw lock is more than satisfactory.

Whenever eccentric collar units are used it is recommended that the high loads column of shaft tolerances be adopted.

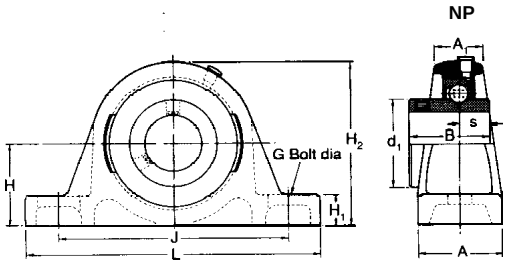
Whenever taper adapter sleeve locking arrangements are used the light loads column of shaft tolerances can be adopted.

When operating conditions are very severe, for example, in case of heavy vibration or shock, a light interference fit may be required between the shaft and bearing bore diameter.

Housing tolerances for bearing units - series FC, MFC, SLC and MSC

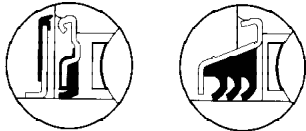
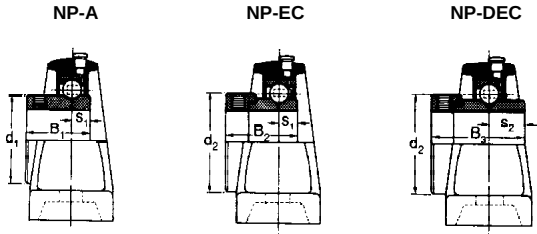
Bearing unit reference	Housing tolerance	
	Stationary housing	Rotating housing
SLC MSC	ISO H7	ISO N7
FC MFC	ISO H7	

NP SERIES



Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions				bolt centres	
								L	H	H ₁	H ₂	J _{max}	J _{min}
mm	inches							mm inches					
12 15 16 17 1/2 5/8		NP12 NP15 NP16 NP17 NP1½ NP5/8		NP12EC NP15EC NP16EC NP17EC NP1½EC NP5/8EC		1017	1	126,5 4-980	30,20 1-189	14,2 -559	57,2 2-252	100,5 3-957	85,5 3-366
20 3/4		NP20 NP¾	NP20A NP¾A	NP20EC NP¾EC	NP20DEC NP¾DEC	1020	2	127,0 5-000	33,30 1-311	14,0 -551	65,2 2-567	100,5 3-957	88,5 3-484
25 7/8 15/16 1		NP25 NP7/8 NP15½ NP1	NP25A NP1A	NP25EC NP7/8EC NP15½EC NP1EC	NP25DEC NP7/8DEC NP15½DEC NP1DEC	1025	3	139,0 5-472	36,50 1-437	16,0 -630	71,0 2-795	112,7 4-437	96,8 3-811
30 1 1/8 1 3/16 1 1/4		NP30 NP1 1/8 NP1 3/16 NP1 1/4	NP30A NP1 1/8A NP1 3/16A NP1 1/4AR	NP30EC NP1 1/8EC NP1 3/16EC NP1 1/4ECR	NP30DEC NP1 1/8DEC NP1 3/16DEC NP1 1/4DEC R	1030	4	160,5 6-319	42,90 1-689	17,7 -697	82,7 3-256	129,5 5-098	108,5 4-272
35 1 1/4 1 3/8 1 7/16		NP35 NP1 1/4 NP1 3/8 NP1 7/16	NP35A NP1 1/4A NP1 3/8A NP1 7/16A	NP35EC NP1 1/4EC NP1 3/8EC NP1 7/16EC	NP35DEC NP1 1/4DEC NP1 3/8 DEC NP1 7/16DEC	1035	5	166,0 6-535	47,60 1-874	17,5 -689	93,0 3-661	136,5 5-374	121,5 4-783
40 1 1/2		NP40 NP1 1/2	NP40A NP1 1/2A	NP40EC NP1 1/2EC	NP40DEC NP1 1/2DEC	1040	6	180,5 7-106	49,20 1-937	18,5 -728	98,5 3-878	148,0 5-827	127,0 5-000
45 1 5/8 1 11/16 1 3/4		NP45 NP1 5/8 NP1 11/16 NP1 3/4	NP45A NP1 5/8A NP1 11/16A NP1 3/4A	NP45EC NP1 5/8EC NP1 11/16EC NP1 3/4EC	NP45DEC NP1 5/8DEC NP1 11/16DEC NP1 3/4DEC	1045	7	190,5 7-500	54,00 2-126	20,0 -787	108,0 4-252	154,5 6-083	140,5 5-531
50 1 7/8 1 15/16 2		NP50 NP1 7/8 NP1 15/16 NP2R	NP50A	NP50EC NP1 7/8EC NP1 15/16EC	NP50DEC NP1 7/8DEC NP1 15/16DEC	1050	8	206,0 8-110	57,20 2-252	21,0 -827	115,2 4-535	163,0 6-417	154,0 6-063
55 2 2 1/8 2 3/16		NP55 NP2 NP2 1/8 NP2 3/16			NP55DEC NP2DEC NP2 1/8DEC NP2 3/16DEC	1055	9	219,5 8-641	63,50 2-500	24,8 -976	129,5 5-098	178,5 7-028	162,5 6-398
60 2 1/4 2 3/8 2 7/16		NP60 NP2 1/4 NP2 3/8 NP2 7/16			NP60DEC NP2 1/4DEC NP2 3/8DEC NP2 7/16DEC	1060	10	240,0 9-449	69,90 2-752	26,3 1-035	142,3 5-602	201,0 7-913	176,0 6-929

Please check availability

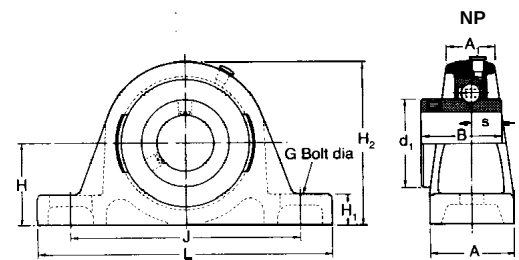


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. NP40FS.

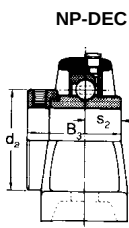
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TNP25.

G	A	A ₁	B	B ₁	B ₂	B ₃	S	S ₁	S ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{0r}	Rec. max. speed	Mass (approx.)
mm inches												newtons lbf	newtons lbf	rev/ min	kg lb
10 3/8	30,5 1-201	20,5 -807	27,38 1-078	- -	28,54 1-124	- -	11,55 -455	6,55 -258	- -	24,21 -953	28,58 1-125	9550 2150	4760 1070	7000	0,5 1-0
10 3/8	32,5 1-280	22,5 -886	30,96 1-219	25,77 1-015	30,92 1-217	43,62 1-717	12,75 -502	7,56 -298	17,12 -674	28,50 1-122	33,30 1-311	12800 2880	6580 1480	6700	0,6 1-4
10 3/8	36,5 1-437	24,5 -965	34,11 1-343	27,35 1-077	30,92 1-217	44,40 1-748	14,32 -564	7,56 -298	17,49 -689	34,01 1-339	38,10 1-500	14000 3150	7880 1770	6250	0,7 1-5
12 1/2	41,5 1-634	27,5 1-083	38,10 1-500	31,21 1-229	35,68 1-405	48,42 1-906	15,93 -627	9,04 -356	18,32 -721	40,00 1-575	44,45 1-750	19500 4380	11300 2540	5300	1,3 2-9
12 1/2	44,5 1-752	30,5 1-201	42,88 1-688	34,90 1-374	38,88 1-531	51,18 2-015	17,53 -690	9,55 -376	18,89 -744	46,69 1-838	55,58 2-188	25700 5780	15300 3440	4500	1,7 3-8
12 1/2	51,0 2-008	34,5 1-358	49,23 1-938	41,18 1-621	43,64 1-718	56,34 2-218	19,10 -752	11,05 -435	21,46 -845	52,70 2-075	60,30 2-374	29100 6540	17900 4020	4000	2,1 4-6
12 1/2	54,0 2-126	35,0 1-378	49,23 1-938	41,18 1-621	43,64 1-718	56,34 2-218	19,10 -752	11,05 -435	21,46 -845	57,30 2-256	63,50 2-500	32500 7310	20500 4610	3700	2,8 6-2
16 5/8	55,0 2-165	36,0 1-417	51,59 2-031	43,54 1-714	43,64 1-718	62,70 2-469	19,10 -752	11,05 -435	24,65 -970	62,20 2-449	69,85 2-750	35000 7870	23200 5220	3400	3,2 7-1
16 5/8	60,0 2-362	39,5 1-555	55,55 2-187	- -	- -	71,44 2-813	22,28 -877	- -	27,82 1-095	68,81 2-709	76,20 3-000	43500 9780	29200 6560	3100	4,0 8-8
16 5/8	70,0 2-756	46,0 1-811	65,07 2-562	- -	- -	77,82 3-064	25,45 1-002	- -	31,02 1-221	75,34 2-966	84,12 3-312	52500 11800	35900 8070	2800	5,9 13-1

NP SERIES
(continued)

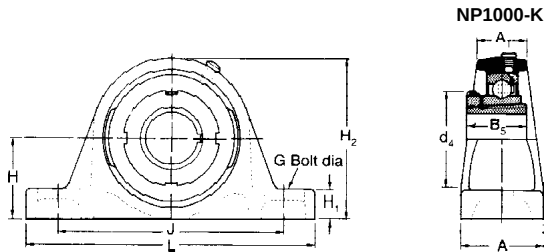


Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions				bolt centres	
						L	H	H ₁	H ₂	J max	J min
mm inches						mm inches					
65	2 1/2	NP65 NP2 1/2	NP65DEC NP2 1/2 DEC	1065	10/65	250,0	69,90	26,3	144,3	205,0	176,0
						9-843	2-752	1-035	5-681	8-071	6-929
70	2 11/16	NP70 NP2 11/16	NP70DEC	1070	11	266,0	79,4	30,2	156,0	220,0	200,0
						10-472	3-126	1-189	6-142	8-661	7-874
75	2 3/4 2 7/8 2 15/16 3	NP75 NP2 3/4 NP7/8 NP2 15/16 NP3	NP75DEC	1075	12	275,0	82,6	28,0	164,0	228,0	206,0
						10-827	3-252	1-102	6-457	8-976	8-110
80	3	NP80 NP3L		1080	13	291,0	88,9	30,0	174,0	241,0	214,0
						11-457	3-500	1-181	6-850	9-488	8-425
85	3 1/4 3 3/8	NP85 NP3 1/4 NP3 3/8		1085	14	310,0	95,2	32,0	187,0	262,0	232,0
						12-205	3-748	1-260	7-362	10-315	9-134
90	3 7/16 3 1/2	NP90 NP3 7/16 NP3 1/2		1090	15	327,0	101,6	36,0	200,0	280,0	244,0
						12-874	4-000	1-417	7-874	11-024	9-606



G	A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{or}	Rec. max. speed	Mass (approx.)
mm inches												newtons lbf	newtons lbf	rev/ min	kg lb
16 5/8	70,0 2-756	45,0 1-772	65,07 2-562	- -	- -	77,82 3-064	25,45 1-002	- -	31,02 1-221	82,40 3-244	87,33 3-438	57500 12930	40000 8990	2600	5,9 13-1
24 7/8	72,0 2-835	47,0 1-850	74,63 2-938	- -	- -	85,36 3-361	30,23 1-190	- -	34,19 1-346	87,00 3-425	96,82 3-812	62000 13940	44000 9890	2450	8,0 17-6
24 7/8	74,0 2-913	48,0 1-890	77,77 3-062	- -	- -	91,72 3-611	33,37 1-314	- -	37,37 1-471	92,00 3-622	101,60 4-000	66000 14840	49300 11080	2300	9,0 19-8
24 7/8	78,0 3-071	56,0 2-205	82,55 3-250	- -	- -	- -	33,37 1-314	- -	- -	98,50 3-878	- -	72500 16300	53000 11910	2150	9,7 21-4
24 7/8	83,0 3-268	56,0 2-205	85,72 3-375	- -	- -	- -	34,18 1-346	- -	- -	106,02 4-174	- -	83500 18770	63800 14340	2000	11,8 26-0
24 7/8	88,0 3-465	62,0 2-441	96,04 3-781	- -	- -	- -	39,73 1-564	- -	- -	111,66 4-396	- -	96000 21580	71500 17870	1900	14,7 32-4

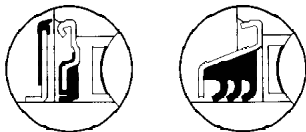
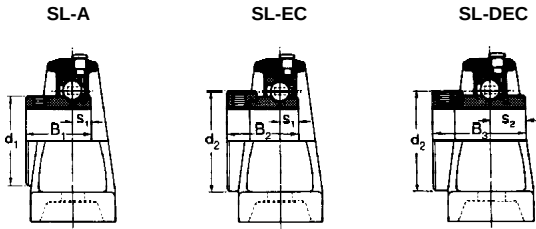
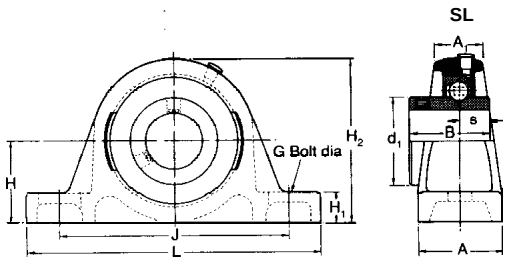
NP1000-K SERIES



Shaft diameter		RHP designation complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher	Basic bearing insert	Casting group	Dimensions					
							L	H	H ₁	H ₂	bolt centres	
mm	inches						mm	mm	mm	mm	J max	J min
							inches	inches	inches	inches		
20	3/4	NP1025-20K NP1025-3/4K	H305 HE305-3/4	NP1025K	1025	3	139,0 5-472	36,50 1-437	16,0 -630	71,0 2-795	112,7 4-437	96,8 3-811
25	15/16 1	NP1030-25K NP1030-15/16K NP1030-1K	H306 HE306-15/16 HE306-1	NP1030K	1030	4	160,5 6-319	42,90 1-689	17,7 -697	82,7 3-256	129,5 5-098	108,5 4-272
30	1 1/8 1 3/16	NP1035-30K NP1035-1 1/8K NP1035-1 3/16K	H307 HE307-1 1/8 HE307-1 3/16	NP1035K	1035	5	166,0 6-535	47,60 1-874	17,5 -689	93,0 3-661	136,5 5-374	121,5 4-783
35	1 1/4 1 3/8	NP1040-35K NP1040-1 1/4K NP1040-1 3/8K	H308 HE308-1 1/4 HE308-1 3/8	NP1040K	1040	6	180,5 7-106	49,20 1-937	18,5 -728	98,5 3-878	148,0 5-827	127,0 5-000
40	1 7/16 1 1/2	NP1045-40K NP1045-1 7/16K NP1045-1 1/2K	H309 HE309-1 7/16 HE309-1 1/2	NP1045K	1045	7	190,5 7-500	54,00 2-126	20,0 -787	108,0 4-252	154,5 6-083	140,5 5-531
45	1 11/16 1 3/4	NP1050-45K NP1050-1 11/16K NP1050-1 3/4K	H310 HE310-1 11/16 HE310-1 3/4	NP1050K	1050	8	206,0 8-110	57,20 2-252	21,0 -827	115,2 4-535	163,0 6-417	154,0 6-063
50	1 15/16 2	NP1055-50K NP1055-1 15/16K NP1055-2K	H311 HE311-1 15/16 HE311-2	NP1055K	1055	9	219,5 8-641	63,50 2-500	24,8 -976	129,5 5-098	178,5 7-028	162,5 6-398

G	A	A ₁	B ₅	d ₄	ISO load ratings		Rec. max. speed	Mass (approx.)
					dynamic C _r	static C _{0r}		
mm	mm	mm	mm	mm	newtons lbf	newtons lbf	rev/min	kg lb
inches	inches	inches	inches	inches				
10	36,5	24,5	29,0	38,0	14000	7880	6250	0,7
3/8	1-437	965	1-142	1-496	3150	1770		1-5
12	41,5	27,5	31,0	45,0	19500	11300	5300	1,3
1/2	1-634	1-083	1-220	1-772	4380	2540		2-9
12	44,5	30,5	35,0	52,0	25700	15300	4500	1,7
1/2	1-752	1-201	1-378	2-047	5780	3440		3-8
12	51,0	34,5	36,0	58,0	29100	17900	4000	2,1
1/2	2-008	1-358	1-417	2-283	6540	4020		4-6
12	54,0	35,0	39,0	65,0	32500	20500	3700	2,8
1/2	2-126	1-378	1-535	2-559	7310	4610		6-2
16	55,0	36,0	42,0	70,0	35000	23200	3400	3,2
5/8	2-165	1-147	1-654	2-756	7870	5220		7-1
16	60,0	39,5	45,0	75,0	43500	29200	3100	4,0
5/8	2-362	1-555	1-772	2-953	9780	6560		8-8

SL SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SL1¹/₄FS.

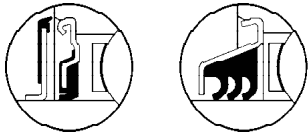
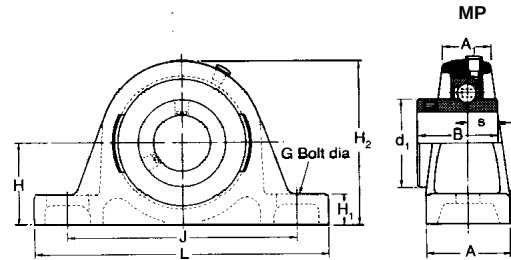
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSL1¹/₄.

Shaft diameter	RHP designation	Basic bearing insert	Casting group	Dimensions				bolt centres	
				L	H	H ₁	H ₂	J max	J min
mm	inches			mm	inches				
12	SL12	SL12EC	1017	1	119,0	26,97	11,0	54,0	91,5
15	SL15	SL15EC			4-685	1-062	-433	2-126	3-602
16	SL16	SL16EC							
17	SL17	SL17EC							
1/2	SL1 ¹ / ₂	SL1 ¹ / ₂ EC							
	SL1 ³ / ₈	SL1 ³ / ₈ EC							
20	SL20	SL20A	1020	2	126,5	31,75	12,5	63,7	100,5
	SL3/4	SL3/4A			4-980	1-250	-492	2-508	3-957
25	SL25	SL25A	1025	3	139,0	33,32	12,8	67,8	110,2
	SL7/8	SL7/8EC			5-472	1-312	-504	2-669	4-339
7/8	SL15/16	SL15/16EC							
	SL1	SL1A							
30	SL30	SL30A	1030	4	161,5	39,67	14,5	79,5	130,0
	SL13/16	SL13/16EC			6-358	1-562	-571	3-130	5-118
1 3/16	SL13/16R	SL13/16AR							
	SL13/16R	SL13/16AR							
35	SL35	SL35A	1035	5	166,0	46,02	16,0	91,5	136,5
	SL13/8	SL13/8A			6-535	1-812	-630	3-602	5-374
1 3/8	SL17/16	SL17/16EC							
	SL17/16	SL17/16EC							
40	SL40	SL40A	1040	6	180,5	49,20	18,5	98,5	148,0
	SL11/2	SL11/2A			7-106	1-937	-728	3-878	5-827
45	SL45	SL45A	1045	7	197,5	52,37	18,4	106,4	161,5
	SL15/8	SL15/8EC			7-776	2-062	-724	4-189	6-358
1 11/16	SL13/4	SL13/4A							
	SL13/4	SL13/4A							
50	SL50	SL50A	1050	8	214,0	55,55	19,3	114,0	177,0
	SL17/8	SL17/8EC			8-425	2-187	-760	4-488	6-969
1 15/16	SL2R	SL2R							
	SL2R	SL2R							
55	SL55	SL55EC	1055	9	219,5	61,90	23,2	128,0	178,5
	SL2	SL2DEC			8-641	2-437	-913	5-039	7-028
2 1/8	SL23/8	SL23/8DEC							
	SL23/8	SL23/8DEC							
60	SL60	SL60DEC	1060	10	240,0	68,25	24,6	140,6	201,0
	SL23/4	SL23/4DEC			9-449	2-687	-969	5-535	7-913
2 3/8	SL23/8	SL23/8DEC							
	SL27/16	SL27/16DEC							
65	SL65R	SL65R	1065	10/65	250,0	68,25	24,6	142,6	205,00
	SL21/2	SL21/2DEC			9-843	2-687	-969	5-614	8-071
2 1/2	SL70	SL70DEC							
	SL75	SL75DEC							
70	SL75	SL75DEC	1075	11	286,0	82,55	28,0	165,5	241,5
	SL211/16	SL211/16DEC			11-260	3-250	11-024	6-516	9-508
2 3/4	SL23/4	SL23/4DEC							
	SL27/8	SL27/8DEC							
2 7/8	SL27/8	SL27/8DEC							
	SL215/16	SL215/16DEC							

G	A	A ₁	B	B ₁	B ₂	B ₃	S	S ₁	S ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{0r}	Rec. max. speed	Mass (approx.)
mm	inches											newtons lbf	newtons lbf	rev/ min	kg lb
10	30,5	20,5	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	9550	4760	7000	0,5
3/8	1-181	-807	1-078	-	1-124	-	-455	-258	-	-953	1-125	2150	1070		1-0
10	32,0	22,5	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6700	0,6
3/8	1-260	-886	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	2880	1480		1-4
10	36,0	24,5	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	14000	7880	6250	0,7
3/8	1-417	-965	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	3150	1770		1-5
12	41,0	27,5	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	1,3
1/2	1-614	1-083	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	4380	2540		2-9
12	44,5	30,5	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	1,7
1/2	1-752	1-201	1-688	1-374	1-531	2-015	-690	-376	-744	1-838	2-188	5780	3440		3-8
12	51,0	34,5	49,23	41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	29100	17900	4000	2,1
1/2	2-008	1-358	1-938	1-621	1-718	2-218	-752	-435	-845	2-075	2-374	6540	4020		4-6
12	54,0	35,0	49,23	41,18	43,64	56,34	19,10	11,05	21,46	57,30	63,50	32500	20500	3700	3,0
1/2	2-126	1-378	1-938	1-621	1-718	2-218	-752	-435	-845	2-256	2-500	7310	4610		6-7
12	55,0	36,0	51,59	43,54	43,64	62,70	19,10	11,05	24,65	62,20	69,85	35000	23200	3400	3,4
1/2	2-165	1-417	2-031	1-714	1-718	2-469	-752	-435	-970	2-449	2-750	7870	5220		7-6
16	60,0	39,5	55,55	-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	4,0
5/8	2-362	1-555	2-187	-	-	2-813	-877	-	1-095	2-709	3-000	9780	6560		8-8
16	70,0	46,0	65,07	-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	6,1
5/8	2-756	1-811	2-562	-	-	3-064	1-002	-	1-221	2-966	3-312	11800	8070		13-4
16	70,0	45,0	65,07	-	-	77,82	25,45	-	31,02	82,40	87,33	57500	40000	2600	6,2
5/8	2-756	1,772	2-562	-	-	3-064	1-002	-	1-221	3-244	3-438	12930	8990		13-7
20	74,0	47,5	77,77	-	-	91,72	33,37	-	37,37	92,00	101,60	66000	49300	2300	11,6
3/4	2-913	1,870	3-063	-	-	3-611	1-314	-	1-471	3-622	4-000	14840	11080		25-3

Please check availability

MP SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MP40FS.

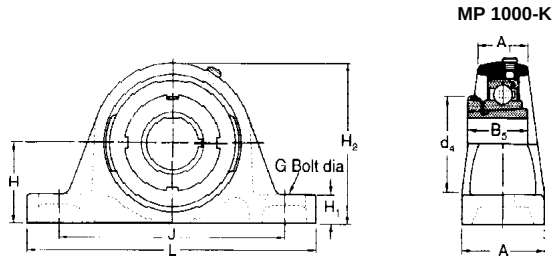
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMP40.

Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions				bolt centres			A
mm	inches				L	H	H ₁	H ₂	J max	J min	G	
					mm	inches						
25	1	MP25 MP1	1030	1	160,5 6-319	44,45 1-750	19,3 -760	84, 3 3-319	127,5 5-020	108,5 4-272	12 1/2	41,5 1-634
30	1 3/16 1 1/4	MP30 MP1 3/16 MP1 1/4	1035	2	166,0 6-535	47,60 1-874	17,5 -689	93,0 3-661	136,5 5-374	121,5 4-783	12 1/2	44,5 1-752
35	1 3/8 1 7/16	MP35 MP1 3/8 MP1 7/16	1040	3	203,2 8-000	53,98 2-125	23,0 -906	107,5 4-232	160,0 6-300	135,0 5-315	12 1/2	57,0 2-244
40	1 1/2	MP40 MP1 1/2	1045	4	222,2 8-748	58,72 2-312	22,5 -886	116,7 4-594	172,5 6-791	145,0 5-709	16 5/8	60,0 2-362
45	1 11/16 1 3/4	MP45 MP1 11/16 MP1 3/4	1050	5	222,2 8-748	58,72 2-312	22,5 -886	116,7 4-594	172,5 6-791	145,0 5-709	16 5/8	60,0 2-362
50	1 7/8 1 15/16 2	MP50 MP1 7/8 MP1 15/16 MP2	1055	6	219,5 8-641	63,50 2-500	24,8 -976	129,5 5-098	178,5 7-028	162,5 6-398	16 5/8	60,0 2-362
55	2 3/16 2 1/4	MP55 MP2 3/16	1060	7	249,5 9-823	69,85 2-750	26,2 1-031	142,2 5-598	201,0 7-913	179,0 7-047	20 3/4	69,5 2-736
60 65	2 7/16 2 1/2	MP60 MP65R MP2 7/16 MP2 1/2	1070	8	266,0 10-472	76,20 3-000	27,0 1-063	153,0 6-024	224,5 8-839	189,5 7-461	20 3/4	72,0 2-835
65 70	2 11/16 2 3/4	MP65 MP70 MP2 11/16 MP2 3/4	1075	9	330,2 13-000	88,90 3-500	28,6 1-126	177,8 7-000	255,6 10-063	206,0 8-110	24 1	88,9 3-500
75	2 15/16 3	MP75 MP2 15/16 MP3	1080	10	330,2 13-000	88,90 3-500	31,8 1-252	184,2 7-252	255,6 10-063	228,0 8-976	24 1	88,9 3-500
80	3 3/16 3 1/4	MP80 MP3 3/16 MP3 1/4	1085	11	381,0 15-000	101,60 4-000	31,8 1-252	203,2 8-000	317,5 12-500	260,0 10-236	24 1	101,6 4-000
85 90	3 7/16 3 1/2	MP85 MP90 MP3 7/16 MP3 1/2	1090	12	381,0 15-000	101,60 4-000	33,3 1-311	209,6 8-252	319,1 12-563	246,1 9-689	24 1	111,1 4-374
95 100	3 15/16 4	MP95 MP100 MP3 15/16 MP4	3095	13	431,8 17-000	127,00 5-000	33,3 1-311	254,0 10-000	371,5 14-626	301,6 11-874	24 1	120,6 4-748

Please check availability

				ISO load ratings		Rec. max. speed	Mass (approx.)
A ₁	B	s	d ₁	dynamic C _r	static C _{0r}		
mm				newtons	newtons	rev/ min	kg
inches				lbf	lbf		lb
27,5 1-083	38,10 1-500	15,93 -627	40,00 1-575	19500 4380	11300 2540	5300	1,3 2-9
30,5 1-201	42,88 1-688	17,53 -690	46,69 1-838	25700 5780	15300 3440	4500	1,7 3-8
40,5 1-594	49,23 1-938	19,10 -752	52,70 2-075	29100 6540	17900 4020	4000	2,7 6-0
39,5 1-555	49,23 1-938	19,10 -752	57,30 2-256	32500 7310	20500 4610	3700	3,2 7-1
39,5 1-555	51,59 2-031	19,10 -752	62,20 2-449	35000 7870	23200 5220	3400	3,2 7-1
39,5 1-555	55,65 2-187	22,28 -877	68,81 2-709	43500 9780	29200 6560	3100	4,0 8-8
46,0 1-811	65,07 2-562	25,45 1-002	75,34 2-966	52500 11800	35900 8070	2800	7,1 15-6
47,0 1-850	74,63 2-938	30,23 1-190	87,00 3-425	62000 13940	44000 9890	2450	9,3 20-5
66,7 2-626	77,7 3-062	33,37 1-314	92,0 3-622	66000 14840	49300 11080	2300	13,4 29-5
66,7 2-626	82,55 3-250	33,37 1-314	98,50 3-878	72500 16300	53000 11910	2150	14,3 31-6
68,3 2-689	85,72 3-375	34,18 1-346	106,02 4-174	83500 18770	63800 14340	2000	18,2 40-2
79,4 3-126	96,04 3-781	39,73 1-564	111,66 4-396	96000 21580	71500 16070	1900	23,4 51-6
98,4 3-874	117,48 4-625	49,27 1-940	130,43 5-135	143000 32150	110000 24730	1600	34,4 75-8

MP1000-K SERIES

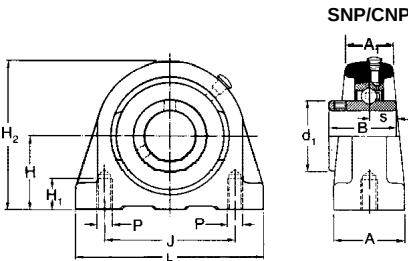


Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions				bolt centres	
		complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher			L	H	H ₁	H ₂	J _{max}	J _{min}
mm	inches						mm inches					
25	1 ⁵ / ₁₆ 1	MP1030-25K	H306	MP1030K	1030	1	160,5	44,45	19,3	87,4	127,5	108,5
		MP1030-1 ⁵ / ₁₆ K	HE306-1 ⁵ / ₁₆				6-319	1-750	-760	3-441	5-020	4-272
		MP1030-1K	HE306-1									
30	1 ¹ / ₈ 1 ³ / ₁₆	MP1035-30K	H307	MP1035K	1035	2	166,0	47,60	17,5	93,0	136,5	121,5
		MP1035-1 ¹ / ₈ K	HE307-1 ¹ / ₈				6-535	1-874	-689	3-661	5-374	4-783
		MP1035-1 ³ / ₁₆ K	HE307-1 ³ / ₁₆									
35	1 ¹ / ₄ 1 ³ / ₈	MP1040-35K	H308	MP1040K	1040	3	203,2	53,98	23,0	106,4	160,0	135,0
		MP1040-1 ¹ / ₄ K	HE308-1 ¹ / ₄				8-000	2-125	-906	4-189	6-300	5-315
		MP1040-1 ³ / ₈ K	HE308-1 ³ / ₈									
40	1 ⁷ / ₁₆ 1 ¹ / ₂	MP1045-40K	H309	MP1045K	1045	4	222,2	58,72	22,5	116,7	172,5	145,0
		MP1045-1 ⁷ / ₁₆ K	HE309-1 ⁷ / ₁₆				8-748	2-312	-864	4-594	6-791	5-709
		MP1045-1 ¹ / ₂ K	HE309-1 ¹ / ₂									
45	1 ¹¹ / ₁₆ 1 ³ / ₄	MP1050-45K	H310	MP1050K	1050	5	222,2	58,72	22,5	116,7	172,5	145,0
		MP1050-1 ¹¹ / ₁₆ K	HE310-1 ¹¹ / ₁₆				8-748	2-312	-864	4-594	6-791	5-709
		MP1050-1 ³ / ₄ K	HE310-1 ³ / ₄									
50	1 ¹⁵ / ₁₆ 2	MP1055-50K	H311	MP1055K	1055	6	219,5	63,50	24,8	129,5	178,5	162,5
		MP1055-1 ¹⁵ / ₁₆ K	HE311-1 ¹⁵ / ₁₆				8-641	2-500	-976	5-098	7-028	6-398
		MP1055-2K	HE311-2									

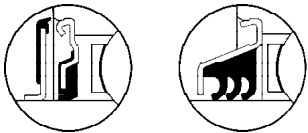
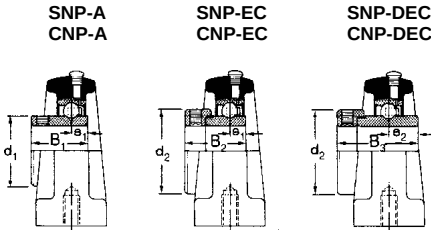
					ISO load ratings		Rec. max. speed	Mass (approx.)
G	A	A1	B5	d4	dynamic Cr	static Cor		
mm inches					newtons lbf	newtons lbf	rev/ min	kg lb
12 1/2	41,5 1-634	27,5 1-083	31,0 1-220	45,0 1-772	19500 4380	11300 2540	5300	1,3 2-9
12 1/2	44,5 1-752	30,5 1-201	35,0 1-378	52,0 2-047	25700 5780	15300 3440	4500	1,7 3-8
12 1/2	57,0 2-244	40,5 1-594	36,0 1-417	58,0 2-283	29100 6540	17900 4020	4000	2,2 4-8
16 5/8	60,0 2-362	39,5 1-555	39,0 1-535	65,0 2-559	32500 7310	20500 4610	3700	3,2 7-1
16 5/8	60,0 2-362	39,5 1-555	42,0 1-654	70,0 2-756	35000 7870	23200 5220	3400	3,2 7-1
16 5/8	60,0 2-362	39,5 1-555	45,0 1-772	75,00 2-953	43500 9780	29200 6560	3100	4,0 8-8

SNP SERIES (metric thread)
CNP SERIES (UNC thread)**

**These units are identical to SNP series except for thread details



Shaft diameter		RHP designation				Basic bearing group insert	Casting group	Dimensions				
								L	H	H ₁	H ₂	J
mm inches								mm inches				
20	3/4	SNP20	SNP20A	SNP20EC	SNP20DEC	1020	2	65,0	33,30	13,5	65,8	50,8
		SNP ³ / ₄	SNP ³ / ₄ A	SNP ³ / ₄ EC	SNP ³ / ₄ DEC			2.559	1.311	.531	2.591	2.000
25	7/8 15/16 1	SNP25	SNP25A	SNP25EC	SNP25DEC	1025	3	70,0	36,50	13,5	71,5	50,8
		SNP ⁷ / ₈	SNP ⁷ / ₈ A	SNP ⁷ / ₈ EC	SNP ⁷ / ₈ DEC			2.756	1.437	.531	2.815	2.000
		SNP ¹⁵ / ₁₆	SNP ¹⁵ / ₁₆ A	SNP ¹⁵ / ₁₆ EC	SNP ¹⁵ / ₁₆ DEC							
30	1 1/8 1 3/16 1 1/4	SNP1	SNP1A	SNP1EC	SNP1DEC	1030	4	96,0	42,90	16,5	83,9	76,2
		SNP ¹ / ₈	SNP ¹ / ₈ A	SNP ¹ / ₈ EC	SNP ¹ / ₈ DEC			3.780	1.689	.650	3.303	3.000
		SNP ³ / ₁₆	SNP ³ / ₁₆ A	SNP ³ / ₁₆ EC	SNP ³ / ₁₆ DEC							
		SNP ¹ / ₄ R	SNP ¹ / ₄ AR	SNP ¹ / ₄ ECR	SNP ¹ / ₄ DEC							
35	1 1/4 1 3/8 1 7/8	SNP35	SNP35A	SNP35EC	SNP35DEC	1035	5	110,0	47,60	19,5	95,6	82,6
		SNP ¹ / ₄	SNP ¹ / ₄ A	SNP ¹ / ₄ EC	SNP ¹ / ₄ DEC			4.331	1.874	.768	3.764	3.252
		SNP ³ / ₈	SNP ³ / ₈ A	SNP ³ / ₈ EC	SNP ³ / ₈ DEC							
		SNP ¹ / ₂	SNP ¹ / ₂ A	SNP ¹ / ₂ EC	SNP ¹ / ₂ DEC							
40	1 1/2	SNP40	SNP40A	SNP40EC	SNP40DEC	1040	6	118,0	49,20	19,5	101,7	88,9
		SNP ¹ / ₂	SNP ¹ / ₂ A	SNP ¹ / ₂ EC	SNP ¹ / ₂ DEC			4.646	1.937	.768	4.004	3.500
45	1 5/8 1 11/16 1 3/4	SNP45	SNP45A	SNP45EC	SNP45DEC	1045	7	127,0	54,00	19,5	110,0	95,3
		SNP ⁵ / ₈	SNP ⁵ / ₈ A	SNP ⁵ / ₈ EC	SNP ⁵ / ₈ DEC			5.000	2.126	.768	4.331	3.752
		SNP ¹¹ / ₁₆	SNP ¹¹ / ₁₆ A	SNP ¹¹ / ₁₆ EC	SNP ¹¹ / ₁₆ DEC							
50	1 7/8 1 15/16 2	SNP1 ³ / ₄	SNP1 ³ / ₄ A	SNP1 ³ / ₄ EC	SNP1 ³ / ₄ DEC	1050	8	135,0	57,2	23,5	115,0	101,6
		SNP ¹ / ₂	SNP ¹ / ₂ A	SNP ¹ / ₂ EC	SNP ¹ / ₂ DEC			5.315	2.252	.925	4.528	4.000
		SNP ¹⁵ / ₁₆	SNP ¹⁵ / ₁₆ A	SNP ¹⁵ / ₁₆ EC	SNP ¹⁵ / ₁₆ DEC							
		SNP2R										
55	2 2 1/8 2 3/8	SNP55			SNP55DEC	1055	9	154,0	63,50	26,5	130,0	118,0
		SNP2			SNP2DEC			6.063	2.500	1.043	5.118	4.646
		SNP2 ¹ / ₈			SNP2 ¹ / ₈ DEC							
		SNP2 ³ / ₁₆			SNP2 ³ / ₁₆ DEC							
60	2 1/4 2 3/8 2 7/8	SNP60			SNP60DEC	1060	10	154,0	69,90	26,5	141,5	118,0
		SNP2 ¹ / ₄			SNP2 ¹ / ₄ DEC			6.063	2.752	1.043	5.571	4.646
		SNP2 ³ / ₈			SNP2 ³ / ₈ DEC							
		SNP2 ⁷ / ₁₆			SNP2 ⁷ / ₁₆ DEC							

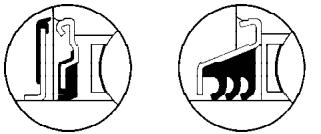
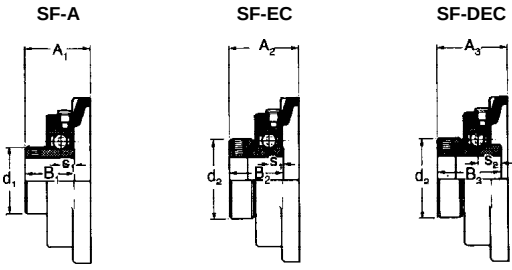
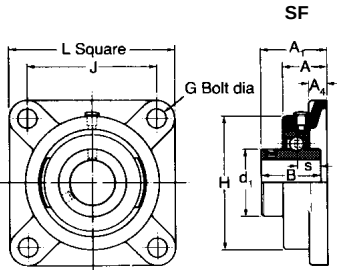


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SNP25FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSNP25.

SNP		CNP		A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{0r}	Rec. max. speed	Mass (approx.)
mm inches															newtons lbf	newtons lbf	rev/ min	kg lb
M8x1,25	3/8-16UNC			32,0	22,5	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6.700	0,9
				1.260	.886	1.219	1.015	1.217	1.717	.502	.298	.674	1.122	1.311	2880	1480		2.0
M10x1,50	3/8-16UNC			36,0	25,0	34,11	27,35	30,92	44,40	14,32	7,57	17,49	34,01	38,10	14000	7880	6250	1,2
				1.417	.984	1.343	1.077	1.217	1.748	.564	.298	.689	1.339	1.500	3150	1770		2.6
M10x1,50	7/16-14UNC			40,0	26,5	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	1,8
				1.575	1.043	1.500	1.229	1.405	1.906	.627	.356	.721	1.575	1.750	4380	2540		4.0
M10x1,50	1/2-13UNC			45,0	30,0	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	2,4
				1.772	1.181	1.688	1.374	1.531	2.015	.690	.376	.744	1.838	2.188	5780	3440		5.3
M12x1,75	1/2-13UNC			47,0	32,0	49,23	41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	29100	17900	4000	2,8
				1.850	1.260	1.938	1.621	1.718	2.218	.752	.435	.845	2.075	2.374	6540	4020		6.2
M12x1,75	1/2-13UNC			48,0	33,0	49,23	41,18	43,64	56,34	19,10	11,05	21,46	57,30	63,50	32500	20500	3700	3,5
				1.890	1.299	1.938	1.621	1.718	2.218	.752	.435	.845	2.256	2.500	7310	4610		7.8
M16x2,0	5/8-11UNC			54,0	34,0	51,59	43,54	43,64	62,70	19,10	11,05	24,65	62,20	69,85	35000	23200	3400	3,3
				2.126	1.339	2.031	1.714	1.718	2.469	.752	.435	.970	2.449	2.750	7870	5220		7.3
M16x2,00	5/8-11UNC			60,0	41,5	55,55	-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	4,0
				2.362	1.639	2.187	-	-	2.813	.877	-	1.095	2.709	3.000	9780	6560		8.8
M16x2,00	5/8-11UNC			60,0	41,5	65,07	-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	4,6
				2.362	1.639	2.562	-	-	3.064	1.002	-	1.221	2.966	3.312	11800	8070		10.1

SF SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SF7/8FS.

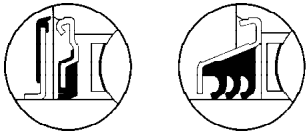
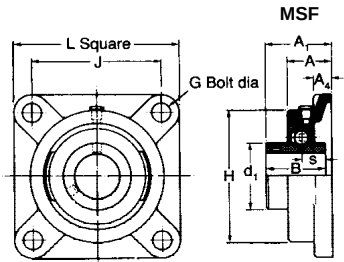
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSF7/8.

Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions					
						L	H	J	G	A	A1
mm inches						mm inches					
12		SF12		SF12EC		76.2	52.50	54.00	10	24.6	32.87
15		SF15		SF15EC		3-000	2-067	2-126	3/8	.969	1-294
16		SF16		SF16EC							
17		SF17		SF17EC							
	1/2	SF17/2		SF17/2EC							
	5/8	SF5/8		SF5/8EC							
20		SF20	SF20A	SF20EC	SF20DEC	85.7	60.3	63.5	10	27.8	37.26
	3/4	SF3/4	SF3/4A	SF3/4EC	SF3/4DEC	3-374	2-374	2-500	3/8	1-094	1-467
25		SF25	SF25A	SF25EC	SF25DEC	95.3	68.0	70.00	10	28.6	38.84
	7/8	SF7/8		SF7/8EC		3-752	2-677	2-756	7/16	1-126	1-529
	15/16	SF15/16		SF15/16EC	SF15/16DEC						
	1	SF1	SF1A	SF1EC	SF1DEC						
30		SF30	SF30A	SF30EC	SF30DEC	108.0	82.6	82.50	10	29.8	42.21
	1 1/8	SF1 1/8		SF1 1/8EC	SF1 1/8DEC	4-252	3-252	3-248	7/16	1-173	1-662
	1 3/16	SF1 3/16		SF1 3/16EC	SF1 3/16DEC						
	1 1/4	SF1 1/4R	SF1 1/4AR	SF1 1/4ECR	SF1 1/4DEC						
35		SF35	SF35A	SF35EC	SF35DEC	117.5	95.3	92.00	12	31.4	46.41
	1 1/4	SF1 1/4	SF1 1/4A	SF1 1/4EC	SF1 1/4DEC	4-626	3-752	3-622	1/2	1-236	1-827
	1 3/8	SF1 3/8		SF1 3/8EC	SF1 3/8DEC						
	1 7/16	SF1 7/16		SF1 7/16EC	SF1 7/16DEC						
40		SF40	SF40A	SF40EC	SF40DEC	130.2	101.6	101.50	12	34.9	54.18
	1 1/2	SF1 1/2	SF1 1/2A	SF1 1/2EC	SF1 1/2DEC	5-126	4-000	3-996	1/2	1-374	2-133
45		SF45	SF45A	SF45EC	SF45DEC	136.5	111.1	105.00	16	35.3	54.18
	1 5/8	SF1 5/8		SF1 5/8EC	SF1 5/8DEC	5-374	4-374	4-134	5/8	1-390	2-133
	1 11/16	SF1 11/16		SF1 11/16EC	SF1 11/16DEC						
	1 3/4	SF1 3/4	SF1 3/4A	SF1 3/4EC	SF1 3/4DEC						
50		SF50	SF50A	SF50EC	SF50DEC	142.9	115.9	111.00	16	39.7	60.53
	1 7/8	SF1 7/8		SF1 7/8EC	SF1 7/8DEC	5-626	4-563	4-370	5/8	1-563	2-383
	1 15/16	SF1 15/16		SF1 15/16EC	SF1 15/16DEC						
	2	SF2R									
55		SF55		SF55DEC		161.9	127.0	130.00	16	43.7	64.31
	2 1/8	SF2 1/8		SF2 1/8DEC		6-374	5-000	5-118	5/8	1-720	2-532
	2 3/16	SF2 3/16		SF2 3/16DEC							
60		SF60		SF60DEC		174.5	138.1	143.00	16	47.6	73.69
	2 1/4	SF2 1/4		SF2 1/4DEC		6-870	5-437	5-630	5/8	1-874	2-901
	2 3/8	SF2 3/8		SF2 3/8DEC							
	2 7/16	SF2 7/16		SF2 7/16DEC							
65		SF65R				174.5	149.5	143.00	16	47.6	73.69
	2 1/2	SF2 1/2		SF2 1/2DEC		6-870	5-886	5-630	5/8	1-874	2-901
65		SF65		SF65DEC		187.5	155.5	149.22	16	47.6	77.72
70		SF70		SF70DEC		7-382	6-122	5-875	5/8	1-874	3-060
	2 5/8	SF2 5/8		SF2 5/8DEC							
	2 11/16	SF2 11/16		SF2 11/16DEC							
75		SF75		SF75DEC		196.5	158.5	152.40	20	51.3	80.90
	2 3/4	SF2 3/4		SF2 3/4DEC		7-736	6-240	6-000	3/4	2-020	3-185
	2 7/8	SF2 7/8		SF2 7/8DEC							
	2 15/16	SF2 15/16		SF2 15/16DEC							
	3	SF3									

A2	A3	A4	B	B1	B2	B3	S	s1	s2	d1	d2	ISO load ratings dynamic Cr	ISO load ratings static Cor	Rec. max. speed	Mass (approx.)
mm inches												newtons lbf	newtons lbf	rev/min	kg lb
39.01	-	9.5	27.38	-	28.54	-	11.55	6.55	-	24.21	28.58	9550	4760	7000	0.5
1-536	-	.374	1-078	-	1-124	-	.455	.258	-	.953	1-125	2150	1070	1070	1-1
42.42	45.54	11.1	30.96	25.77	30.92	43.62	12.75	7.56	17.12	28.50	33.30	12800	6580	6700	0.7
1-670	1-793	.437	1-219	1-015	1-217	1-717	.502	.298	.674	1-122	1-311	2880	1480	1480	1-5
42.42	45.95	11.1	34.11	27.35	30.92	44.40	14.32	7.56	17.49	34.01	38.10	14000	7880	6250	1.0
1-670	1-809	.437	1-343	1-077	1-217	1-748	.564	.298	.689	1-339	1-500	3150	1770	1770	2-3
46.66	50.9	12.7	38.10	31.21	35.68	48.42	15.93	9.04	18.32	40.00	44.45	19500	11300	5300	1.3
1-837	1-972	.500	1-500	1-229	1-405	1-906	.627	.356	.721	1-575	1-750	4380	2540	2540	2-9
50.34	53.31	12.7	42.88	34.90	38.88	51.18	17.53	9.55	18.89	46.69	55.58	25700	15300	4500	1.7
1-982	2-099	.500	1-688	1-374	1-531	2-015	.690	.376	.744	1-838	2-188	5780	3440	3440	3-7
56.62	58.90	12.7	49.23	41.18	43.64	56.34	19.10	11.05	21.46	52.70	60.30	29100	17900	4000	2.2
2-229	2-319	.500	1-938	1-621	1-718	2-218	.752	.435	.845	2-075	2-374	6540	4020	4020	4-9
56.62	58.90	14.3	49.23	41.18	43.64	56.34	19.10	11.05	21.46	57.30	63.50	32500	20500	3700	2.6
2-229	2-319	.563	1-938	1-621	1-718	2-218	.752	.435	.845	2-256	2-500	7310	4610	4610	5-7
60.60	66.07	14.3	51.59	43.54	43.64	62.70	19.10	11.05	24.65	62.20	69.85	35000	23200	3400	2.8
2-386	2-601	.563	2-031	1-714	1-718	2-469	.752	.435	.970	2-449	2-750	7870	5220	5220	6-2
-	74.57	17.5	55.55	-	-	71.44	22.28	-	27.82	68.81	76.20	43500	29200	3100	4.0
-	2-936	.689	2-187	-	-	2-813	.877	-	1-095	2-709	3-000	9780	6560	6560	8-8
-	80.77	17.5	65.07	-	-	77.82	25.45	-	31.02	75.34	84.12	52500	35900	2800	4.7
-	3-180	.689	2-562	-	-	3-064	1-002	-	1-221	2-966	3-312	11800	8070	8070	10-3
-	80.77	18.0	65.07	-	-	77.82	25.45	-	31.02	82.40	87.33	57500	40000	2600	2.7
-	3-180	.709	2-562	-	-	3-064	1-002	-	1-221	3-244	3-438	12930	8990	8990	10-3
-	84.86	18.0	74.63	-	-	85.36	30.23	-	34.19	87.00	96.82	62000	44000	2450	6.8
-	3-341	.709	2-938	-	-	3-361	1-190	-	1-346	3-425	3-812	13940	9890	9890	15-0
-	91.21	23.0	77.77	-	-	91.72	33.37	-	37.37	92.00	101.60	66000	49300	2300	8.6
-	3-591	.906	3-062	-	-	3-611	1-314	-	1-471	3-622	4-000	14840	11080	11080	19-0

Please check availability

MSF SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSF35FS.

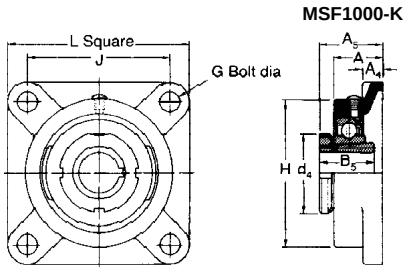
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMSF35.

Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions						B
					L	H	J	G	A	A1	
mm	inches				mm						
					inches						
25	1	MSF25 MSF1	1030	1	108,0 4.252	82,6 3.252	82,50 3.248	10 7/16	29,8 1.173	42,21 1.662	38,10 1.500
30	1 3/16 1 1/4	MSF30 MSF1 3/16 MSF1 1/4	1035	2	117,5 4.626	95,3 3.752	92,0 3.622	12 1/2	31,4 1.236	46,41 1.827	42,88 1.688
35	1 3/8 1 7/16	MSF35 MSF1 3/8 MSF1 7/16	1040	3	130,2 5.126	101,6 4.000	101,50 3.996	12 1/2	34,9 1.374	54,18 2.133	49,23 1.938
40	1 1/2	MSF40 MSF1 1/2	1045	4	136,5 5.374	111,1 4.374	105,00 4.134	16 5/8	35,3 1.390	54,18 2.133	49,23 1.938
45	1 11/16 1 3/4	MSF45 MSF1 11/16 MSF1 3/4	1050	5	142,9 5.626	115,9 4.563	111,00 4.370	16 5/8	39,7 1.563	60,53 2.383	51,59 2.031
50	1 7/8 1 15/16 2	MSF50 MSF1 7/8 MSF1 15/16 MSF2	1055	6	161,9 6.374	127,0 5.000	130,00 5.118	16 5/8	43,7 1.720	64,31 2.532	55,55 2.187
55	2 3/16 2 1/4	MSF55 MSF2 3/16	1060	7	174,5 6.870	138,1 5.437	143,00 5.630	16 5/8	47,6 1.874	73,69 2.901	65,07 2.562
60	2 7/16 2 1/2	MSF60 MSF2 7/16 MSF2 1/2	1070	8	187,55 7.382	155,5 6.122	149,22 5.875	16 5/8	47,6 1.874	77,2 3.060	74,63 2.938
65 70	2 11/16 2 3/4	MSF65 MSF70 MSF2 11/16 MSF2 3/4	1075	9	196,5 7.736	158,5 6.240	152,40 6.000	20 3/4	51,3 2.020	80,90 3.185	77,77 3.062
75	2 15/16 3	MSF75 MSF2 15/16 MSF3	1080	10	196,5 7.736	173,5 6.831	152,40 6.000	20 3/4	55,0 2.165	88,87 3.499	82,55 3.250
80	3 3/16 3 1/4	MSF80 MSF3 3/16 MSF3 1/4	1085	11	213,5 8.406	184,0 7.244	171,45 6.750	20 3/4	54,3 2.138	89,64 3.529	85,72 3.375
85 90	3 7/16 3 1/2	MSF85 MSF90 MSF3 7/16 MSF3 1/2	1090	12	381,0 8.406	101,60 7.736	171,45 6.750	20 3/4	61,7 2.429	100,76 3.967	96,04 3.781
95 100	3 15/16 4	MSF95 MSF100 MSF3 15/16 MSF4	3095	13	267,5 10.531	235,5 9.272	211,12 8.312	24 1	83,5 3.287	126,95 4.998	117,48 4.625

Please check availability

s	d1	ISO load ratings		Rec. max. speed	Mass (approx.)
		dynamic Cr	static Cor		
mm	inches	newtons lbf	newtons lbf	rev/ min	kg lb
15,93 .627	40,00 1.575	19500 4380	11300 2540	5300	1.3 2.9
17,53 .690	46,69 1.838	25700 5780	15300 3440	4500	1.7 3.7
19,10 .752	52,70 2.075	29100 6540	17900 4020	4000	2.2 4.9
19,10 .752	57,30 2.256	32500 7310	20500 4610	3700	2.6 5.7
19,10 .752	62,20 2.449	35000 7870	23200 5220	3400	2.8 6.2
22,28 .877	68,81 2.709	43500 9780	29200 6560	3100	4.0 8.8
25,45 1.002	75,34 2.966	52500 11800	35900 8070	2800	4.7 10.3
30,23 1.190	87,00 3.425	62000 13940	44000 9890	2450	6.8 15.0
33,37 1.314	92,00 3.622	66000 14840	49300 11080	2300	8.6 19.0
33,37 1.314	98,50 3.878	72500 16300	53000 11910	2150	9.3 20.6
34,18 1.346	106,02 4.174	83500 18770	63800 14340	2000	11.1 24.5
39,73 1.564	111,66 4.396	96000 21580	71500 16070	1900	13.2 29.1
49,27 1.940	130,43 5.135	143000 32150	110000 24730	1600	24.7 54.5

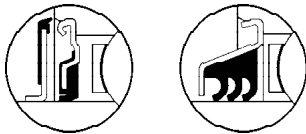
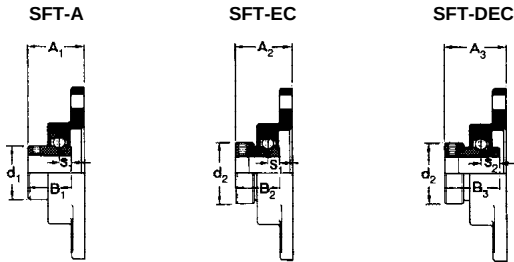
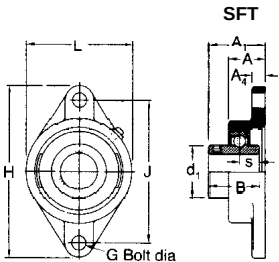
MSF1000-K SERIES



Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions					
		complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher			L	H	J	G	A	A4
mm	inches				mm inches							
20	3/4	MSF1025-20K MSF1025-3/4K	H305 HE3053/4	MSF1025K	1025	SF3	95,3 3-752	68,0 2-677	70,0 2-756	10 7/16	28,6 1-126	11,1 -437
25	15/16 1	MSF1030-25K MSF1030-15/16K MSF1030-1K	H306 HE306-15/16 HE306-1	MP1030K	1030	1	108,0 4-252	82,6 3-252	82,50 3-248	10 7/16	29,8 1-173	12,7 -500
30	1 1/8 1 3/16	MSF1035-30K MSF1035-1 1/8K MSF1035-1 3/16K	H307 HE307-1 1/8 HE307-1 3/16	MP1035K	1035	2	117,5 4-626	95,3 3-752	92,00 3-622	12 1/2	31,4 1-236	12,7 -500
35	1 1/4 1 3/8	MSF1040-35K MSF1040-1 1/4K MSF1040-1 3/8K	H308 HE308-1 1/4 HE308-1 3/8	MP1040K	1040	3	130,2 5-126	101,6 4-000	101,50 3-996	12 1/2	34,9 1-374	12,7 -500
40	1 7/16 1 1/2	MSF1045-40K MSF1045-1 7/16K MSF1045-1 1/2K	H309 HE309-1 7/16 HE309-1 1/2	MP1045K	1045	4	136,5 5-374	111,1 4-374	105,00 4-134	16 5/8	35,3 1-390	14,3 -563
45	1 11/16 1 3/4	MSF1050-45K MSF1050-1 11/16K MSF1050-1 3/4K	H310 HE310-1 11/16 HE310-1 3/4	MP1050K	1050	5	142,9 5-626	115,9 4-563	111,00 4-370	16 5/8	39,7 1-563	14,3 -563
50	1 15/16 2	MSF1055-50K MSF1055-1 15/16K MSF1055-2K	H311 HE311-1 15/16 HE311-2	MP1055K	1055	6	161,9 6-374	127,00 5-000	130,00 5-118	16 5/8	43,7 1-720	17,5 -689

			ISO load ratings		Rec. max. speed	Mass (approx.)
A5	B5	d4	dynamic Cr	static Cor		
mm inches			newtons lbf	newtons lbf	rev/min	kg lb
36,5 1-437	29,0 1-142	38,0 1-496	14000 3150	7880 1770	6250	1,0 2-3
38,0 1-496	31,0 1-220	45,0 1-772	19500 4380	11300 2540	5300	1,3 2-9
40,5 1-594	35,0 1-378	52,0 2-047	25700 5780	15300 3440	4500	1,7 3-7
45,0 1-772	36,0 1-417	58,0 2-283	29100 6540	17900 4020	4000	2,2 4-9
46,5 1-831	39,0 1-535	65,0 2-559	32500 7310	20500 4610	3700	2,6 5-7
52,0 2-047	42,0 1-654	70,0 2-756	35000 7870	23200 5220	3400	2,8 6-2
55,5 2-185	45,0 1-772	75,0 2-953	43500 9780	29200 6560	3100	4,0 8-8

SFT SERIES (ISO)



Bearing inserts with finger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SFT1FS.

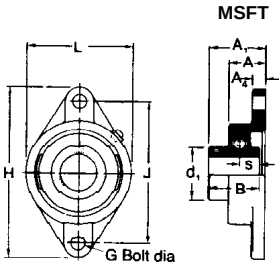
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSFT1

Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions					A	A1
mm	inches							L	H	J	G			
								mm	mm	mm	mm		mm	mm
								inches	inches	inches	inches		inches	inches
12		SFT12		SFT12EC		1017	1	52,5	98,5	76,50	10	24,6	32,87	
15		SFT15		SFT15EC				2,067	3,878	3,012	3/8	.969	1,294	
16		SFT16		SFT16EC										
17		SFT17		SFT17EC										
1 1/2		SFT1 1/2		SFT1 1/2EC										
5/8		SFT5/8		SFT5/8EC										
20		SFT20	SFT20A	SFT20EC	SFT20DEC	1020	2	60,3	111,9	90,00	10	27,8	37,26	
3/4		SFT3/4	SFT3/4A	SFT3/4EC	SFT3/4DEC			2,374	4,406	3,543	3/8	1,094	1,467	
25		SFT25	SFT25A	SFT25EC	SFT25DEC	1025	3	70,0	125,5	99,00	10	28,6	38,84	
7/8		SFT7/8		SFT7/8EC	SFT7/8DEC			2,756	4,941	3,898	7/16	1,126	1,529	
15/16		SFT15/16		SFT15/16EC	SFT15/16DEC									
1		SFT1	SFT1A	SFT1EC	SFT1DEC									
30		SFT30	SFT30A	SFT30EC	SFT30DEC	1030	4	82,6	141,3	116,50	10	29,8	42,21	
1 1/8		SFT1 1/8		SFT1 1/8EC	SFT1 1/8DEC			3,252	5,563	4,687	7/16	1,173	1,662	
1 3/16		SFT1 3/16		SFT1 3/16EC	SFT1 3/16DEC									
1 1/4		SFT1 1/4	RSFT1 1/4AR	SFT1 1/4ECR	SFT1 1/4DEC									
35		SFT35	SFT35A	SFT35EC	SFT35DEC	1035	5	95,5	155,5	130,00	12	31,4	46,41	
1 1/4		SFT1 1/4	SFT1 1/4A	SFT1 1/4EC	SFT1 1/4DEC			3,760	6,122	5,118	1/2	1,236	1,827	
1 3/8		SFT1 3/8		SFT1 3/8EC	SFT1 3/8DEC									
1 7/16		SFT1 7/16		SFT1 7/16EC	SFT1 7/16DEC									
40		SFT40	SFT40A	SFT40EC	SFT40DEC	1040	6	101,6	171,4	143,50	12	34,9	54,18	
1 1/2		SFT1 1/2	SFT1 1/2A	SFT1 1/2EC	SFT1 1/2DEC			4,000	6,748	5,650	1/2	1,374	2,133	
45		SFT45	SFT45A	SFT45EC	SFT45DEC	1045	7	111,1	179,4	148,50	16	35,3	54,18	
1 5/8		SFT1 5/8		SFT1 5/8EC	SFT1 5/8DEC			4,374	7,063	5,846	5/8	1,390	2,133	
1 11/16		SFT1 11/16		SFT1 11/16EC	SFT1 11/16DEC									
1 3/4		SFT1 3/4	SFT1 3/4A	SFT1 3/4EC	SFT1 3/4DEC									
50		SFT50	SFT50A	SFT50EC	SFT50DEC	1050	8	115,9	188,9	157,00	16	39,7	60,53	
1 7/8		SFT1 7/8		SFT1 7/8EC	SFT1 7/8DEC			4,563	7,437	6,181	5/8	1,563	2,283	
1 15/16		SFT1 15/16		SFT1 15/16EC	SFT1 15/16DEC									
2		SFT2R												
55		SFT55			SFT55DEC	1055	9	127,0	215,9	184,00	16	43,7	64,31	
2 1/8		SFT2			SFT2DEC			5,000	8,500	7,244	5/8	1,720	2,532	
2 3/16		SFT2 3/16			SFT2 3/16DEC									
2 3/8		SFT2 3/8			SFT2 3/8DEC									
60		SFT60			SFT60DEC	1060	10	138,1	235,0	202,00	16	47,6	73,69	
2 1/4		SFT2 1/4			SFT2 1/4DEC			5,437	9,252	7,953	5/8	1,874	2,901	
2 3/8		SFT2 3/8			SFT2 3/8DEC									
2 7/16		SFT2 7/16			SFT2 7/16DEC									

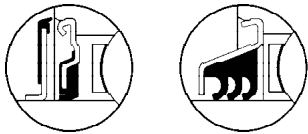
Please check availability

A2	A3	A4	B	B1	B2	B3	S	S1	S2	d1	d2	ISO load ratings dynamic Cr	static Cor	Rec. max. speed	Mass (approx.)
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	newtons lbf	newtons lbf	rev/ min	kg lb
inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches				
39,01	-	9,5	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	9550	4760	7000	0,4
1,536	-	.374	1,078	-	1,124	-	.455	.258	-	.953	1,125	2150	1070		0,9
42,42	45,54	11,1	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6700	0,6
1,670	1,793	.437	1,219	1,015	1,217	1,717	.502	.298	.674	1,122	1,311	2880	1480		1,3
42,42	45,95	11,1	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	14000	7880	6250	0,9
1,670	1,809	.437	1,343	1,077	1,217	1,748	.564	.298	.689	1,339	1,500	3150	1770		2,0
46,66	50,09	12,7	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	1,1
1,837	1,972	.500	1,500	1,229	1,405	1,906	.762	.365	.721	1,575	1,750	4380	2540		2,5
50,34	53,31	12,7	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	1,4
1,982	2,099	.500	1,688	1,374	1,531	2,015	.690	.376	.744	1,838	2,188	5780	3440		3,0
56,62	58,90	12,7	49,23	41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	29100	17900	4000	1,9
2,229	2,319	.500	1,938	1,621	1,718	2,218	.752	.435	.845	2,075	2,374	6540	4020		4,1
56,62	58,90	14,3	49,23	41,18	43,64	56,34	19,10	11,05	21,46	57,30	63,50	32500	20500	3700	2,2
2,229	2,319	.563	1,938	1,621	1,718	2,218	.752	.435	.845	2,256	2,500	7310	4610		4,9
60,60	66,07	14,3	51,59	43,54	43,64	62,70	19,10	11,05	24,65	62,20	69,85	35000	23200	3400	2,5
2,386	2,601	.563	2,031	1,714	1,718	2,469	.752	.435	.970	2,449	2,750	7870	5220		5,4
-	74,57	17,5	55,55	-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	3,5
-	2,936	.689	2,187	-	-	2,813	.877	-	1,095	2,709	3,000	9780	6560		7,8
-	80,77	17,5	65,07	-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	4,3
-	3,180	.689	2,562	-	-	3,064	1,002	-	1,221	2,966	3,312	11800	8070		9,5

MSFT SERIES



Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions							
					L	H	J	G	A	A ₁	A ₄	B
mm	inches				mm	inches						
25	1	MSFT25 MSFT1	1030	1	82,6 3-252	141,3 5-563	116,50 4-587	10 7/16	29,8 1-173	42,21 1-662	12,7 -500	38,10 1-500
30	1 3/16 1 1/4	MSFT30 MSFT1 3/16 MSFT1 1/4	1035	2	95,5 3-760	155,5 6-122	130,00 5-118	12 1/2	31,4 1-236	46,41 1-827	12,7 -500	42,88 1-688
35	1 3/8 1 7/16	MSFT35 MSFT1 3/8 MSFT1 7/16	1040	3	101,6 4-000	171,4 6-748	143,50 5-650	12 1/2	34,9 1-374	54,18 2-133	12,7 -500	49,23 1-938
40	1 1/2	MSFT40 MSFT1 1/2	1045	4	111,1 4-374	179,4 7-063	148,50 5-846	16 5/8	35,3 1-390	54,18 2-133	14,3 -563	49,23 1-938
45	1 11/16 1 3/4	MSFT45 MSFT1 11/16 MSFT1 3/4	1050	5	115,9 4-563	188,9 7-437	157,00 6-181	16 5/8	39,7 1-563	60,53 2-383	14,3 -563	51,59 2-031
50	1 7/8 1 15/16 2	MSFT50 MSFT1 7/8 MSFT1 15/16 MSFT2	1055	6	127,0 5-000	215,9 8-500	184,00 7-244	16 5/8	43,7 1-720	64,31 2-532	17,5 -689	55,55 2-187
55	2 3/16	MSFT55 MSFT2 3/16	1060	7	138,1 5-437	235,0 9-252	202,00 7-953	16 5/8	47,6 1-874	73,69 2-901	17,5 -689	65,07 2-562

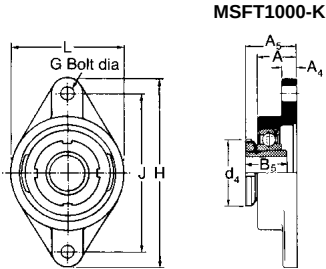


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSFT1 1/2 FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMSFT1 1/2.

s	d ₁	ISO load ratings		Rec. max. speed	Mass (approx.)
		dynamic C _r	static C _{0r}		
		newtons lbf	newtons lbf	rev/ min	kg lb
15,93 -627	40,00 1-575	19500 4380	11300 2540	5300	1,1 2-5
17,53 -690	46,69 1-838	25700 5780	15300 3440	4500	1,4 3-0
19,10 -752	52,70 2-075	29100 6540	17900 4020	4000	1,9 4-1
19,10 -752	57,30 2-256	32500 7310	20500 4610	3700	2,2 4-9
19,10 -752	62,20 2-449	35000 7870	23200 5220	3400	2,5 5-4
22,28 -877	68,81 2-709	43500 9780	29200 6560	3100	3,5 7-8
25,45 1-002	75,34 2-966	52500 11800	35900 8070	2800	4,3 9-5

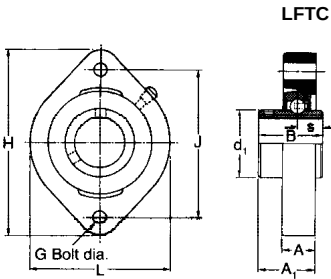
MSFT1000-K SERIES



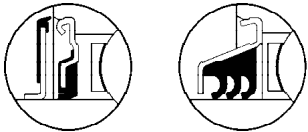
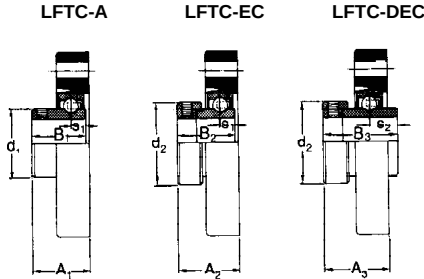
Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions					
		complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher			L	H	J	G	A	A4
mm	inches						mm inches					
20	3/4	MSFT1025-20K MSFT1025-3/4K	H305 HE3053/4	MSFT1025K	1025	SFT3	68,3 2-689	123,8 4-874	99,0 3-898	10 7/16	28,6 1-126	11,1 -437
25	15/16 1	MSFT1030-25K MSFT1030-15/16K MSFT1030-1K	H306 HE306-15/16 HE306-1	MSFT1030K	1030	1	82,6 3-252	141,3 5-563	116,50 4-587	10 7/16	29,8 1-173	12,7 -500
30	1 1/8 1 3/16	MSFT1035-30K MSFT1035-1 1/8K MSFT1035-1 3/16K	H307 HE307-1 1/8 HE307-1 3/16	MSFT1035K	1035	2	95,5 3-760	155,5 6-122	130,00 5-118	12 1/2	31,4 1-236	12,7 -500
35	1 1/4 1 3/8	MSFT1040-35K MSFT1040-1 1/4K MSFT1040-1 3/8K	H308 HE308-1 1/4 HE308-1 3/8	MSFT1040K	1040	3	101,6 4-000	171,4 6-748	143,50 5-650	12 1/2	34,9 1-374	12,7 -500
40	1 7/16 1 1/2	MSFT1045-40K MSFT1045-1 7/16K MSFT1045-1 1/2K	H309 HE309-1 7/16 HE309-1 1/2	MSFT1045K	1045	4	111,1 4-374	179,4 7-063	148,50 5-846	16 5/8	35,3 1-390	14,3 -563
45	1 11/16 1 3/4	MSFT1050-45K MSFT1050-1 11/16K MSFT1050-1 3/4K	H310 HE310-1 11/16 HE310-1 3/4	MSFT1050K	1050	5	115,9 4-563	188,9 7-437	157,00 6-181	16 5/8	39,7 1-563	14,3 -563
50	1 15/16 2	MSFT1055-50K MSFT1055-1 15/16K MSFT1055-2K	H311 HE311-1 15/16 HE311-2	MSFT1055K	1055	6	127,0 5-000	215,9 8-500	184,00 7-244	16 5/8	43,7 1-720	17,5 -689

			ISO load ratings		Rec. max. speed	Mass (approx.)
A5	B5	d4	dynamic Cr	static Cor		
mm inches			newtons lbf	newtons lbf	rev/min	kg lb
36,5 1-437	29,0 1-142	39,0 1-496	14000 3150	7880 1770	6250	0,9 2-0
38,0 1-496	31,0 1-220	45,0 1-772	19500 4380	11300 2540	5300	1,1 2-5
40,5 1-594	35,0 1-378	52,0 2-047	25700 5780	15300 3440	4500	1,4 3-0
45,0 1-772	36,0 1-417	58,0 2-283	29100 6540	17900 4020	4000	1,9 4-1
46,5 1-831	39,0 1-535	65,0 2-559	32500 7310	20500 4610	3700	2,2 4-9
52,0 2-047	42,0 1-654	70,0 2-756	35000 7870	23200 5220	3400	2,5 5-4
55,5 2-185	45,0 1-772	75,0 2-953	43500 9780	29200 6560	3100	3,5 7-8

LFTC SERIES



Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions				
						L	H	J	G	A A ₁
mm	inches					mm	inches			
12		LFTC12		LFTC12EC	1017	58,5	81,0	63,5	6,0	15,0 24,27
15		LFTC15		LFTC15EC		2-303	3-189	2-500	1/4	-590 0-956
16		LFTC16		LFTC16EC						
17		LFTC17		LFTC17EC						
	1/2	LFTC1/2		LFTC1/2EC						
	5/8	LFTC5/8		LFTC5/8EC						
20		LFTC20	LFTC20A	LFTC20EC	1020	66,5	90,5	71,5	8,0	17,0 27,76
	3/4	LFTC3/4	LFTC3/4A	LFTC3/4EC		2-618	3-563	2-815	5/16	-669 1-093
25		LFTC25	LFTC25A	LFTC25EC	1025	71,0	96,0	76,0	8,0	17,5 29,24
	7/8	LFTC7/8		LFTC7/8EC		2-795	3-780	2-992	5/16	-689 1-151
	15/16	LFTC15/16		LFTC15/16EC						
	1	LFTC1	LFTC1A	LFTC1EC						
30		LFTC30	LFTC30A	LFTC30EC	1030	84,0	112,0	90,5	10,0	20,5 33,62
	1 1/8	LFTC1 1/8		LFTC1 1/8EC		3-307	4-409	3-563	3/8	-807 1-324
	1 3/16	LFTC1 3/16		LFTC1 3/16EC						
	1 1/4	LFTC1 1/4	LFTC1 1/4A	LFTC1 1/4EC						
35		LFTC35	LFTC35A	LFTC35EC	1035	93,0	125,0	100,0	10,0	22,0 37,80
	1 1/4	LFTC1 1/4AL	LFTC1 1/4AL	LFTC1 1/4ECL		3-661	4-921	3-937	3/8	-866 1-488
	1 3/8	LFTC1 3/8		LFTC1 3/8EC						
	1 7/16	LFTC1 7/16		LFTC1 7/16EC						

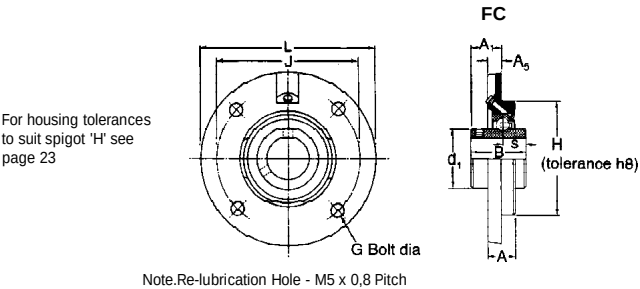


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. LFTC7/8FS.

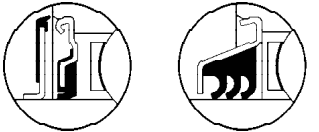
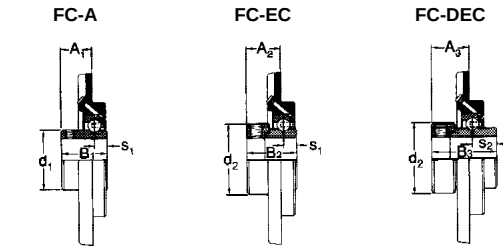
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TLFTC7/8

A ₂	A ₃	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{0r}	Rec. max. speed	Mass (approx.)
mm	inches										newtons lbf	newtons lbf	rev/ min	kg lb
30,43	-	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	9550	4760	7000	0,3
1-198	-	1-078	-	1-124	-	-455	-258	-	-953	1-125	2150	1070		0-7
32,92	36,04	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6700	0,4
1-296	1-419	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	2880	1480		0-9
32,82	36,35	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	14000	7880	6250	0,5
1-292	1-431	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	3150	1770		1-1
38,07	41,50	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	0,8
1-499	1-634	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	4380	2540		1-8
41,74	44,71	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	1,1
1-643	1-760	1-688	1-374	1-531	2-015	-690	-376	-744	1-838	2-188	5780	3440		2-4

FC SERIES



Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions					
								L	H	J	G	A	A ₁
mm	inches					mm inches							
20	3/4	FC20 FC3/4	FC20A FC3/4A	FC20EC FC3/4EC	FC20DEC FC3/4DEC	1020	2	100,0 3.937	62,0 2.441	78,0 3.071	8 5/16	17,0 .669	16,29 .641
25	7/8 15/16 1	FC25 FC7/8 FC15/16 FC1	FC25A FC7/8A FC1A	FC25EC FC7/8EC FC15/16EC FC1EC	FC25DEC FC7/8DEC FC15/16DEC FC1DEC	1025	3	115,0 4.528	70,0 2.756	90,0 3.543	8 5/16	19,0 .748	17,34 .683
30	1 1/8 1 3/16 1 1/4	FC30 FC1 1/8 FC1 3/16 FC1 1/4R	FC30A FC1 1/8A FC1 3/16A FC1 1/4AR	FC30EC FC1 1/8EC FC1 3/16EC FC1 1/4ECR	FC30DEC FC1 1/8DEC FC1 3/16DEC FC1 1/4DEC	1030	4	125,0 4.921	80,0 3.150	100,0 3.937	10 3/8	20,5 .807	20,22 .796
35	1 1/4 1 3/8 1 7/16	FC35 FC1 1/4 FC1 3/8 FC1 7/16	FC35A FC1 1/4A FC1 3/8A FC1 7/16A	FC35EC FC1 1/4EC FC1 3/8EC FC1 7/16EC	FC35DEC FC1 1/4DEC FC1 3/8DEC FC1 7/16DEC	1035	5	135,0 5.315	90,0 3.543	110,0 4.331	10 3/8	20,5 .807	24,40 .961
40	1 1/2	FC40 FC1 1/2	FC40A FC1 1/2A	FC40EC FC1 1/2EC	FC40DEC FC1 1/2DEC	1040	6	145,0 5.709	100,0 3.937	120,0 4.724	10 3/8	23,0 .906	29,18 1.149
45	1 5/8 1 11/16 1 3/4	FC45 FC1 5/8 FC1 11/16 FC1 3/4	FC45A FC1 5/8A FC1 11/16A FC1 3/4A	FC45EC FC1 5/8EC FC1 11/16EC FC1 3/4EC	FC45DEC FC1 5/8DEC FC1 11/16DEC FC1 3/4DEC	1045	7	155,0 6.102	105,0 4.134	130,0 5.118	12 1/2	25,0 .984	28,18 1.109
50	1 7/8 1 15/16 2	FC50 FC1 7/8 FC1 15/16 FC2R	FC50A FC1 7/8A FC1 15/16A	FC50EC FC1 7/8EC FC1 15/16EC	FC50DEC FC1 7/8DEC FC1 15/16DEC	1050	8	165,0 6.496	110,0 4.331	135,0 5.315	12 1/2	25,0 .984	31,52 1.241
55	2 2 1/8 2 3/16	FC55 FC2 FC2 1/8 FC2 3/16			FC55DEC FC2DEC FC2 1/8DEC FC2 3/16DEC	1055	9	185,0 7.283	125,0 4.921	150,0 5.906	16 5/8	27,5 1.083	33,30 1.311
60	2 1/4 2 3/8 2 7/16	FC60 FC2 1/4 FC2 3/8 FC2 7/16			FC60DEC FC2 1/4DEC FC2 3/8DEC FC2 7/16DEC	1060	10	195,0 7.677	135,0 5.315	160,0 6.299	16 5/8	29,0 1.142	38,65 1.522

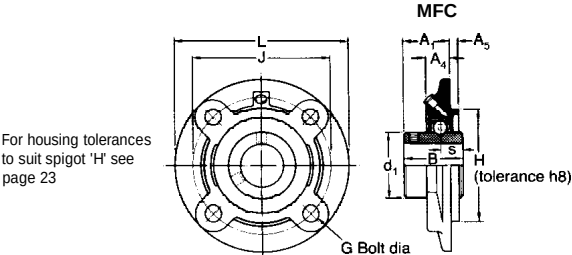


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. FC40FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TFC40.

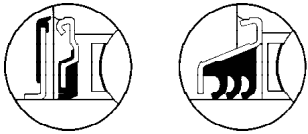
A2	A3	A5	B	B1	B2	B3	S	S1	S2	d1	d2	ISO load ratings dynamic Cr	static Cor	Rec. max. speed	Mass (approx.)
mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	newtons lbf	newtons lbf	rev/ min	kg lb
21,45 .844	24,57 .967	8,0 -315	30,96 1.219	25,77 1.015	30,92 1.217	43,62 1.717	12,75 -502	7,56 -298	17,12 -674	28,50 1.122	33,30 1.311	12800 2880	6580 1480	6700	0,7 1.5
20,86 .821	24,41 -961	9,0 -354	34,11 1.343	27,35 1.077	30,92 1.217	44,40 1.748	14,32 -564	7,56 -298	17,49 -689	34,01 1.339	38,10 1.500	14000 3150	7880 1770	6250	0,9 1.9
24,64 -970	28,10 1.106	9,5 -374	38,10 1.500	31,21 1.229	35,68 1.405	48,42 1.906	15,93 -627	9,04 -356	18,32 -721	40,00 1.575	44,45 1.750	19500 4380	11300 2540	5300	1,1 2.5
28,33 1.115	31,29 1.232	10,0 -394	42,88 1.688	34,90 1.374	38,88 1.531	51,18 2.015	17,53 -690	9,55 -376	18,89 -744	46,69 1.838	55,58 2.188	25700 5780	15300 3440	4500	1,5 3.3
31,59 1.244	33,88 1.334	11,5 -453	49,23 1.938	41,18 1.621	43,64 1.718	56,34 2.218	19,10 -752	11,05 -435	21,46 -845	52,70 2.075	60,30 2.374	29100 6540	17900 4020	4000	1,8 3.9
30,59 1.204	32,88 1.294	12,0 -472	49,23 1.938	41,18 1.621	43,64 1.718	56,34 2.218	19,10 -752	11,05 -435	21,46 -845	57,30 2.256	63,50 2.500	32500 7310	20500 4610	3700	2,2 4.8
31,63 1.245	37,14 1.462	13,0 -512	51,59 2.031	43,54 1.714	43,64 1.718	62,70 2.469	19,10 -752	11,05 -435	24,65 -970	62,20 2.449	69,85 2.750	35000 7870	23200 5220	3400	2,8 6.2
-	43,72 1.721	15,0 -591	55,55 2.187	-	-	71,44 2.813	22,28 -877	-	27,82 1.095	68,81 2.709	76,20 3.000	43500 9780	29200 6560	3100	4,0 8.8
-	45,89 1.807	16,0 -630	65,07 2.562	-	-	77,82 3.064	25,45 1.002	-	31,02 1.221	75,34 2.966	84,12 3.312	52500 11800	35900 8070	2800	4,7 10.4

MFC SERIES



Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions							
					L	H	J	G	A ₁	A ₄	A ₅	B
mm	inches				mm	inches						
25	1 1 1/4	MFC25 MFC1 MFC1 1/4 R	1030	1	111,1 4.374	76,20 3.000	92,08 3.625	8 5/16	33,32 1.312	21,0 .827	6,4 .252	38,10 1.500
30	1 3/16 1 1/4	MFC30 MFC1 3/16 MFC1 1/4	1035	2	127,0 5.000	85,72 3.375	104,78 4.125	10 3/8	33,32 1.312	19,0 .748	6,4 .252	42,88 1.688
35 40	1 3/8 1 7/16 1 1/2	MFC35 MFC40 MFC1 3/8 MFC1 7/16 MFC1 1/2	1040	3	133,4 5.252	92,07 3.625	111,12 4.375	10 3/8	38,10 1.500	19,0 .748	6,4 .252	49,23 1.938
45	1 11/16 1 3/4 2	MFC45 MFC1 11/16 MFC1 3/4 MFC2 R	1050	4	155,6 6.126	107,95 4.250	130,18 5.125	10 7/16	39,67 1.562	19,0 .748	6,4 .252	51,59 2.031
50	1 7/8 1 15/16 2	MFC50 MFC1 7/8 MFC1 15/16 MFC2	1055	5	161,9 6.374	114,30 4.500	136,52 5.375	10 7/16	36,97 1.562	19,0 .748	6,4 .252	55,55 2.187
55	2 3/16 2 1/4	MFC55 MFC2 3/16 MFC2 1/4	1060	6	181,0 7.126	127,00 5.000	152,40 6.000	12 1/2	42,85 1.687	15,9 .626	9,5 .374	65,07 2.562
60 65	2 7/16 2 1/2	MFC60 MFC65 R MFC2 7/16 MFC2 1/2	1070	7	193,7 7.626	139,70 5.500	165,10 6.500	12 1/2	46,02 1.812	15,9 .626	12,7 .500	74,63 2.938
65 70	2 11/16 2 3/4	MFC65 MFC70 MFC2 11/16 MFC2 3/4	1075	8	222,2 8.748	161,92 6.375	190,50 7.500	16 5/8	50,80 2.000	21,0 .827	12,7 .500	77,77 3.062
75 80	2 15/16 3 3 1/4	MFC75 MFC80 MFC2 15/16 MFC3 MFC3 1/4	1080	9	222,2 8.748	161,92 6.375	190,50 7.500	16 5/8	50,80 2.000	16,7 .657	12,7 .500	82,55 3.250
85 90	3 7/16 3 1/2	MFC85 MFC90 MFC3 7/16 MFC3 1/2	1090	10	260,4 10.252	187,32 7.375	219,08 8.625	20 3/4	67,46 2.656	29,4 1.157	12,7 .500	96,04 3.781
95 100	3 15/16 4	MFC95 MFC100 MFC3 15/16 MFC4	3095	11	298,4 11.748	228,60 9.000	260,35 10.250	20 3/4	88,90 3.500	46,0 1.811	12,7 .500	117,48 4.625

Please check availability

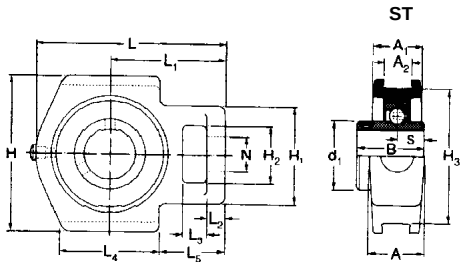


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MFC30FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMFC30.

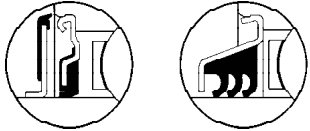
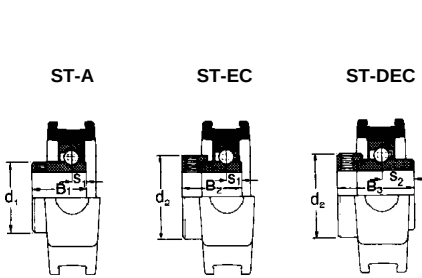
S	d _i	ISO load ratings		Rec. max. speed	Mass (approx.)
		dynamic C _r	static C _{0r}		
mm		newtons	newtons	rev/	kg
inches		lbf	lbf	min	lb
15,93 627	40,00 1.575	19500 4380	11300 2540	5300	1,4 3.0
17,53 690	46,69 1.838	25700 5780	15300 3440	4500	1,5 3.4
19,10 752	52,70 2.075	29100 6540	17900 4020	4000	1,9 4.2
19,10 752	62,20 2.449	35000 7870	23200 5220	3400	2,7 6.0
22,28 877	68,81 2.709	43500 9780	29200 6560	3100	3,0 6.6
25,45 1.002	75,34 2.966	52500 11800	35900 8070	2800	3,4 7.6
30,23 1.190	87,00 3.425	62000 13940	44000 9890	2450	4,5 10.0
33,37 1.314	92,00 3.622	66000 14840	49300 11080	2300	5,9 13.0
33,37 1.314	98,50 3.878	72500 16300	53000 11910	2150	5,4 12.0
39,73 1.564	111,66 4.396	96000 21580	71500 16070	1900	9,8 21.5
49,27 1.940	130,43 5.135	143000 32150	110000 24730	1600	17,7 39.0

ST SERIES (ISO)



Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions									
								L	L ₁	L ₂	L ₃	L ₄	L ₅	H	H ₁		
mm	inches							mm inches									
20	3/4	ST20	ST20A	ST20EC	ST20DEC	1020	2	96,5	62,0	11,5	16,0	50,5	36,5	88,5	58,5		
		ST3/4	ST3/4A	ST3/4EC	ST3/4DEC			3-760	2-441	-453	-630	1-988	1-437	3-484	2-303		
25		7/8	ST25	ST25A	ST25EC	ST25DEC	1025	3	98,0	62,0	11,5	16,0	50,5	36,5	88,5	58,5	
	15/16	ST7/8		ST7/8EC	ST7/8DEC			3-858	2-441	-453	-630	1-988	1-437	3-484	2-303		
	1	ST15 1/16		ST15 1/16EC	ST15 1/16DEC												
		ST1	ST1A	ST1EC	ST1DEC												
30	1 1/8	ST30	ST30A	ST30EC	ST30DEC	1030	4	115,5	71,7	12,5	16,5	64,5	43,0	101,5	64,5		
		ST11 1/8		ST11 1/8EC	ST11 1/8DEC			4-547	2-823	-492	-650	2-539	1-693	3-996	2-539		
		ST13 1/16		ST13 1/16EC	ST13 1/16DEC												
	1 3/16	ST14AR	ST14 1/4AR	ST14 1/4ECR	ST14 1/4DECR												
	1 1/4																
35	1 3/8	ST35	ST35A	ST35EC	ST35DEC	1035	5	124,0	75,5	12,5	16,5	64,5	43,0	101,5	64,5		
		ST11 3/4	ST14 1/4A	ST14 1/4EC	ST14 1/4DEC			4-882	2-972	-492	-650	2-539	1-693	3-996	2-539		
		ST13 3/8		ST13 3/8EC	ST13 3/8DEC												
	1 7/16	ST17 1/16		ST17 1/16EC	ST17 1/16DEC												
40	1 1/2	ST40	ST40A	ST40EC	ST40DEC	1040	6	143,5	89,2	15,5	20,5	81,5	50,5	118,0	82,5		
		ST11 1/2	ST14 1/2A	ST14 1/2EC	ST14 1/2DEC			5-650	3-512	-610	-807	3-209	1-988	4-646	3-248		
		ST45	ST45A	ST45EC	ST45DEC	1045	7	147,0	89,2	15,5	20,5	81,5	50,5	118,0	82,5		
	1 5/8	ST15 1/8		ST15 1/8EC	ST15 1/8DEC			5-787	3-512	-610	-807	3-209	1-988	4-646	3-248		
	1 11/16	ST11 11/16		ST11 11/16EC	ST11 11/16DEC												
	1 3/4	ST13 3/4	ST13 3/4A	ST13 3/4EC	ST13 3/4DEC												
50	1 7/8	ST50	ST50A	ST50EC	ST50DEC	1050	8	151,0	90,5	15,5	20,5	81,5	50,5	118,0	82,5		
		ST17 3/8		ST17 3/8EC	ST17 3/8DEC			5-945	3-563	-610	-807	3-209	1-988	4-646	3-248		
		1 15/16	ST2R		ST15 15/16EC	ST15 15/16DEC											
	2																
55	2 1/8	ST55			ST55DEC	1055	9	182,0	114,0	19,0	32,0	97,5	70,0	146,0	101,0		
		ST2			ST2DEC			7-165	4-488	-748	1-260	3-839	2-756	5-748	3-976		
		ST2 1/8			ST2 1/8DEC												
	2 3/16	ST23 1/16			ST23 1/16DEC												
60	2 1/4	ST60			ST60DEC	1060	10	192,0	119,0	19,0	32,0	97,5	70,0	146,0	101,0		
		ST2 1/4			ST2 1/4DEC			7-559	4-685	-748	1-260	3-839	2-756	5-748	3-976		
		ST2 3/8			ST2 3/8DEC												
	2 7/16	ST27 1/16			ST27 1/16DEC												
65	2 1/2	ST65			ST65DEC	1070	11	222,5	137,5	21,5	32,0	120,5	77,0	166,5	113,0		
		ST70			ST70DEC			8-760	5-413	-846	1-260	4-744	3-031	6-555	4-449		
		ST2 1/2			ST2 1/2DEC												
	2 11/16	ST24 11/16			ST24 11/16DEC												
75	2 3/4	ST75			ST75DEC	1075	12	222,5	137,5	21,5	32,0	120,5	77,0	166,5	113,0		
		ST23 3/4			ST23 3/4DEC			8-760	5-413	-846	1-260	4-744	3-031	6-555	4-449		
		ST27 3/8			ST27 3/8DEC												
	2 5/8	ST215 1/16			ST215 1/16DEC												
80	3	ST80				1080	13	231,5	139,5	20,5	32,0	125,0	74,0	184,0	113,0		
		ST3						9-114	5-492	-807	1-260	4-921	2-913	7-244	4-449		
		ST33 1/16															
85	3 3/16	ST85				1085	14	260,5	162,0	28,5	38,0	140,0	90,5	198,5	124,0		
		ST3 1/4						10-256	6-378	1-122	1-496	5-512	3-562	7-815	4-882		
		ST3 3/8															
	3 7/16	ST37 1/16															
Please check availability																	

Please check availability

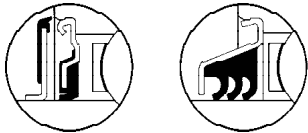
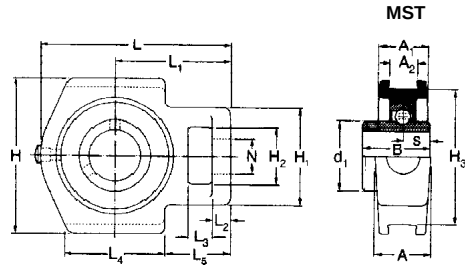


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. ST45FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TST45.

H2	H3	N	A	A1	A2	B	B1	B2	B3	s	s1	s2	d1	d2	ISO load ratings		Rec. max. speed	Mass (approx.)
															dynamic	static		
															Cr	Cor		
mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	newtons	newtons	rev/min	kg
32,0	76,0	22,5	36,0	27,5	13,50	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6700	0,8
1-260	2-992	-886	1-417	1-083	-531	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	2880	1480	1-8	1-8
32,0	76,0	22,5	36,0	27,5	13,50	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	14000	7880	6250	1,0
1-260	2-992	-886	1-417	1-083	-531	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	3150	1770	2-2	2-2
37,5	89,0	22,5	36,5	30,0	13,50	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	1,6
1-476	3-504	-886	1-437	1-181	-531	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	4380	2540	3-5	3-5
37,5	89,0	22,5	36,5	30,0	13,50	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	1,6
1-476	3-504	-886	1-437	1-181	-531	1-688	1-374	1-531	2-015	-690	-376	-744	1-838	2-188	5780	3440	3-5	3-5
49,5	101,0	29,0	49,5	37,0	17,50	49,23	41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	29100	17900	4000	2,7
1-949	3-976	1-142	1-949	1-457	-689	1-938	1-621	1-718	2-218	-752	-435	-845	2-075	2-374	6540	4020	6-0	6-0
49,5	101,0	29,0	49,5	37,0	17,50	49,23	41,18	43,64	56,34	19,10	11,05	21,46	57,30	63,50	32500	20500	3700	2,8
1-949	3-976	1-142	1-949	1-457	-689	1-938	1-621	1-718	2-218	-752	-435	-845	2-256	2-500	7310	4610	6-2	6-2
49,5	101,0	29,0	49,5	37,0	17,50	51,59	43,54	43,64	62,70	19,10	11,05	24,65	62,20	69,85	35000	23200	3400	2,8
1-949	3-976	1-142	1-949	1-457	-689	2-031	1-714	1-718	2-469	-752	-435	-970	2-449	2-750	7870	5220	6-2	6-2
64,0	130,0	35,0	63,5	46,5	27,00	55,55	-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	4,2
2-520	5-118	1-378	2-500	1-831	1-063	2-187	-	-	2-813	-877	-	1-095	2-709	3-000	9780	6560	9-3	9-3
64,0	130,0	35,0	63,5	46,5	27,00	65,07	-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	5,4
2-520	5-118	1-378	2-500	1-831	1-063	2-562	-	-	3-064	1-002	-	1-221	2-996	3-312	11800	8070	11-8	11-8
70,0	150,8	42,0	70,0	50,5	27,00	74,63	-	-	85,36	30,23	-	34,19	87,00	96,82	62000	44000	2450	7,9
2-756	5-937	1-654	2-756	1-988	1-063	2-938	-	-	3-361	1-190	-	1-346	3-425	3-812	13940	9890	17-5	17-5
70,0	150,8	42,0	70,0	50,5	27,00	77,77	-	-	91,72	33,37	-	37,37	92,00	101,60	66000	49300	2300	8,4
2-756	5-937	1-654	2-756	1-988	1-063	3-062	-	-	3-611	1-314	-	1-471	3-622	4-000	14840	11080	18-5	18-5
70,0	165,1	42,0	70,0	54,0	27,00	82,55	-	-	98,50	-	-	98,50	-	-	72500	53000	2150	9,0
2-756	6-500	1-654	2-756	2-126	1-063	3-250	-	-	1-314	-	-	3-878	-	-	16300	11910	19-9	19-9
73,0	173,0	47,5	79,5	68,5	46,05	85,72	-	-	106,02	-	-	106,02	-	-	83500	63800	2000	13,7
2-874	6-811	1-870	3-130	2-697	1-813	3-375	-	-	4-174	-	-	4-174	-	-	18770	14340	30-2	30-2

MST SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. MST35FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMST35.

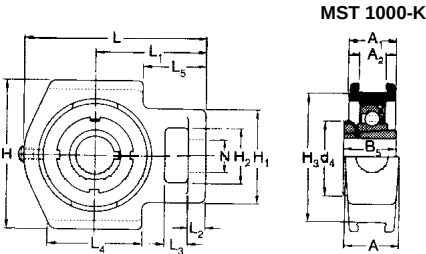
Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions							
					L	L ₁	L ₂	L ₃	L ₄	L ₅	H	H ₁
mm	inches				mm inches							
25	1	MST25 MST1	1030	1	115,5 4-547	71,7 2-823	12,5 -492	16,5 -650	64,5 2-539	43,0 1-693	101,5 3-996	64,5 2-539
30	1 ³ / ₁₆ 1 ¹ / ₄	MST30 MST1 ³ / ₁₆ **	1035	2	124,0 4-882	75,5 2-972	12,5 -492	16,5 -650	64,5 2-539	43,0 1-693	101,5 3-996	64,5 2-539
35	1 ³ / ₈ 1 ⁷ / ₁₆	MST35 MST1 ³ / ₈ MST1 ⁷ / ₁₆	1040	3	143,5 5-650	89,2 3-512	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988	118,0 4-646	82,5 3-248
40	1 ¹ / ₂	MST40 MST1 ¹ / ₂	1045	4	147,0 5-787	89,2 3-512	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988	118,0 4-646	82,5 3-248
45	1 ¹¹ / ₁₆ 1 ³ / ₄	MST45 MST1 ¹¹ / ₁₆ MST1 ³ / ₄	1050	5	151,0 5-945	90,5 3-563	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988	118,0 4-646	82,5 3-248
50	1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	MST50 MST1 ⁷ / ₈ MST1 ¹⁵ / ₁₆ **	1055	6	182,0 7-165	114,0 4-488	19,0 -748	32,0 1-260	97,5 3-839	70,0 2-756	146,0 5-748	101,0 3-976
55	2 ³ / ₁₆ 2 ¹ / ₄	MST55 MST2 ³ / ₁₆ **	1060	7	192,0 7-559	119,0 4-685	19,0 -748	32,0 1-260	97,5 3-839	70,0 2-756	146,0 5-748	101,0 3-976
60	2 ⁷ / ₁₆ 2 ¹ / ₂	MST60 MST2 ⁷ / ₁₆ **	1070	8	222,5 8-760	137,5 5-413	21,5 -846	32,0 1-260	120,5 4-744	77,0 3-031	166,5 6-555	113,0 4-449
65 70	2 ¹¹ / ₁₆ 2 ³ / ₄	MST65 MST70 MST2 ¹¹ / ₁₆ **	1075	9	222,5 8-760	137,5 5-413	21,5 -846	32,0 1-260	120,5 4-744	77,0 3-031	166,5 6-555	113,0 4-449
75	2 ¹⁵ / ₁₆ 3	MST75 MST2 ¹⁵ / ₁₆ **	1080	10	231,5 9-114	139,5 5-492	20,5 -807	32,0 1-260	125,0 4-921	74,0 2-913	184,0 7-244	113,0 4-449
80	3 ³ / ₁₆ 3 ¹ / ₄	MST80 MST3 ³ / ₁₆ **	1085	11	260,5 10-256	162,0 6-378	28,5 1-122	38,0 1-496	140,0 5-512	90,5 3-562	198,5 7-815	124,0 4-882
85 90	3 ⁷ / ₁₆ 3 ¹ / ₂	MST85 MST90 MST3 ⁷ / ₁₆ MST3 ¹ / ₂	1090	12	270,0 10-630	165,0 6-496	28,5 1-122	38,0 1-496	152,5 6-004	90,0 3-543	216,0 8-504	127,0 5-000
95 100	3 ¹⁵ / ₁₆ 4	MST95 MST100 MST3 ¹⁵ / ₁₆ MST4	3095	13	317,5 12-500	190,5 7-500	32,0 1-260	38,0 1-496	175,0 6-890	103,0 4-055	260,5 10-256	152,5 6-004

H ₂	H ₃	N	A	A ₁	A ₂	B	s	d ₁	ISO load ratings dynamic C _r	ratings static C _{0r}	Rec. max. speed	Mass (approx.)
mm inches	mm inches								newtons lbf	newtons lbf	rev/ min	kg lb
37,5 1-476	89,0 3-504	22,5 -886	36,5 1-437	30,0 1-181	13,50 -531	38,10 1-500	15,93 -627	40,00 1-575	19500 4380	11300 2540	5300	1,6 3-5
37,5 1-476	89,0 3-504	22,5 -886	36,5 1-437	30,0 1-181	13,50 -531	42,88 1-688	17,53 -690	46,69 1-838	25700 5780	15300 3440	4500	1,6 3-5
49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	49,23 1-938	19,10 -752	52,70 2-075	29100 6540	17900 4020	4000	2,7 6-0
49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	49,23 1-938	19,10 -752	57,30 2-256	32500 7310	20500 5220	3700	2,8 6-2
49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	51,59 2-031	19,10 -752	62,20 2-449	35000 7870	23200 5220	3400	2,8 6-2
64,0 2-520	130,0 5-118	35,0 1-378	63,5 2-500	46,5 1-831	27,00 1-063	55,55 2-187	22,28 -877	68,81 2-709	43500 9780	29200 6560	3100	4,2 9-3
64,0 2-520	130,0 5-118	35,0 1-378	63,5 2-500	46,5 1-831	27,00 1-063	65,07 2-562	25,45 1-002	73,34 2-966	52500 11800	35900 8070	2800	5,4 11-8
70,0 2-756	150,8 5-937	42,0 1-654	70,0 2-756	50,5 1-988	27,00 1-063	74,63 2-938	30,23 1-190	87,00 3-425	62000 13940	44000 9890	2450	7,9 17-5
70,0 2-756	150,8 5-937	42,0 1-654	70,0 2-756	50,5 1-988	27,00 1-063	77,77 3-062	33,37 1-314	92,00 3-622	66000 14840	49300 11080	2300	8,4 18-5
70,0 2-756	165,1 6-500	42,0 1-654	70,0 2-756	54,0 2-126	27,00 1-063	82,55 3-250	33,37 1-314	98,50 3-878	72500 16300	53000 11910	2150	9,0 19-9
73,0 2-874	173,0 6-811	47,5 1-870	79,5 3-130	68,5 2-697	46,05 1-813	85,72 3-375	34,18 1-346	106,02 4-174	83500 18770	63800 14340	2000	13,7 30-2
73,0 2-874	190,5 7-500	47,5 1-870	79,5 3-130	68,5 2-697	46,05 1-813	96,04 3-781	39,73 1-564	111,66 4-396	96000 21580	71500 16070	1900	16,8 37-0
85,5 3-366	235,0 9-252	54,5 2-146	98,5 3-878	82,5 3-248	55,55 2-187	117,48 4-625	49,27 1-940	130,43 5-135	143000 32150	110000 24730	1600	22,2 49-0

** For these bore sizes select from ST series (see page 56)

Please check availability

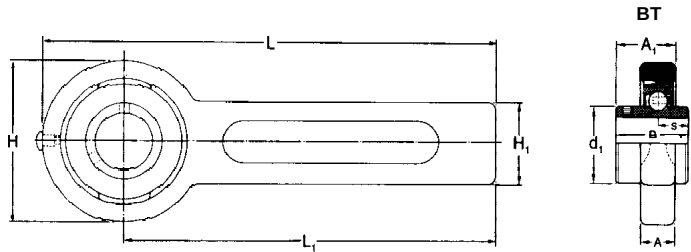
MST 1000-K SERIES



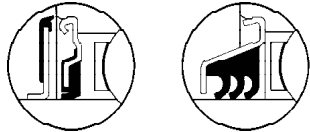
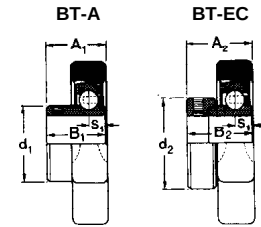
Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions					
		complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher			L	L ₁	L ₂	L ₃	L ₄	L ₅
mm	inches						mm inches					
20	3/4	MST1025-20K MST1025-3/4K	H305 HE305-3/4	MST1025K	1025	ST3	98,0 3-858	62,0 2-441	11,5 -453	16,0 -630	50,5 1-988	36,5 1-437
25	15/16 1	MST1030-25K MST1030-15/16K MST1030-1K	H306 HE306-15/16 HE306-1	MST1030K	1030	1	115,5 4-547	71,7 2-823	12,5 -492	16,5 -650	64,5 2-539	43,0 1-693
30	1 1/8 1 3/16	MST1035-30K MST1035-1 1/8K MST1035-1 3/16K	H307 HE307-1 1/8 HE307-1 3/16	MST1035K	1035	2	124,0 4-882	75,5 2-972	12,5 -492	16,5 -650	64,5 2-539	43,0 1-693
35	1 1/4 1 3/8	MST1040-35K MST1040-1 1/4K MST1040-1 3/8K	H308 HE308-1 1/4 HE308-1 3/8	MST1040K	1040	3	143,5 5-650	89,2 3-512	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988
40	1 7/16 1 1/2	MST1045-40K MST1045-1 7/16K MST1045-1 1/2K	H309 HE309-1 7/16 HE309-1 1/2	MST1045K	1045	4	147,0 5-787	89,2 3-512	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988
45	1 11/16 1 3/4	MST1050-45K MST1050-1 11/16K MST1050-1 3/4K	H310 HE310-1 11/16 HE310-1 3/4	MST1050K	1050	5	151,0 5-945	90,5 3-563	15,5 -610	20,5 -807	81,5 3-209	50,5 1-988
50	1 15/16 2	MST1055-50K MST1055-1 15/16K MST1055-2K	H311 HE311-1 15/16 HE311-2	MST1055K	1055	6	182,0 7-165	114,0 4-488	19,0 -748	32,0 1-260	97,5 3-839	70,0 2-756

H	H1	H2	H3	N	A	A1	A2	B5	d4	ISO load ratings dynamic static		Rec. max. speed	Mass (approx.)
										Cr	Cor		
mm										newtons lbf	newtons lbf	rev/ min	kg lb
88,5 3-484	58,5 2-303	32,0 1-260	76,0 2-992	22,5 -886	36,0 1-417	27,5 1-083	13,50 -531	29,0 1-142	38,0 1-496	14000 3150	7880 1770	6250	1,0 2-2
101,5 3-996	64,5 2-539	37,5 1-476	89,0 3-504	22,5 -886	36,5 1-437	30,0 1-181	13,50 -531	31,0 1-220	45,0 1-772	19500 4380	11300 2540	5300	1,6 3-5
101,5 3-996	64,5 2-539	37,5 1-476	89,0 3-504	22,5 -886	36,5 1-437	30,0 1-181	13,50 -531	35,0 1-378	52,0 2-047	25700 5780	15300 3440	4500	1,6 3-5
118,0 4-646	82,5 3-248	49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	36,0 1-417	58,0 2-283	29100 6540	17900 4020	4000	2,7 6-0
118,0 4-646	82,5 3-248	49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	39,0 1-535	65,0 2-559	32500 7310	20500 4610	3700	2,8 6-2
118,0 4-646	82,5 3-248	49,5 1-949	101,0 3-976	29,0 1-142	49,5 1-949	37,0 1-457	17,50 -689	42,0 1-654	70,0 2-756	35000 7870	23200 5220	3400	2,8 6-2
146,0 5-748	101,0 3-976	64,0 2-520	130,0 5-118	35,0 1-378	63,5 2-500	46,5 1-831	27,00 1-063	45,0 1-772	75,0 2-953	43500 9780	29200 6560	3100	4,2 9-3

BT SERIES



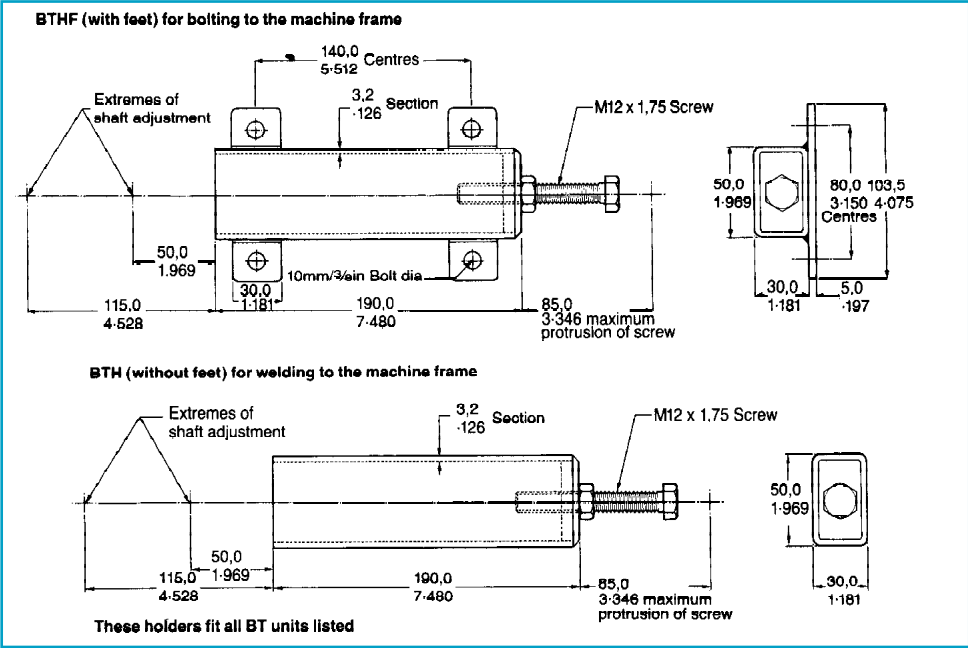
Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions					
							H	H ₁	L	L ₁	A	A ₁
mm	inches						mm inches					
25	7/8 15/16 1	BT25 BT7/8 BT15/16 BT1	BT25A BT1A	BT25EC BT7/8EC BT15/16EC BT1EC	1025	3	78,0 3-071	42,5 1-673	264,0 10-394	225,0 8-858	22,0 0-866	30,57 1-204
30 35	13/16 1 1/4 1 3/8 1 7/16	BT30L BT35 BT13/16L BT1 1/4 BT1 3/8 BT1 7/16	BT35A BT1 1/4A	BT35EC BT1 1/4EC BT1 3/8EC BT1 7/16EC	1035	5	98,0 3-858	42,5 1-673	274,0 10-787	225,0 8-858	22,0 0-866	36,13 1-422



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. BT35FS.

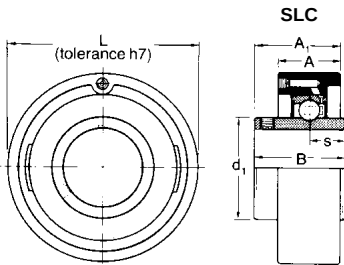
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TBT35.

A ₂	B	B ₁	B ₂	s	s ₁	d ₁	d ₂	ISO load ratings dynamic Cr	ISO load ratings static C _{or}	Rec. max. speed	Mass (approx.)
mm inches								newtons lbf	newtons lbf	rev/min	kg lb
34,2	34,11	27,35	30,92	14,32	7,56	34,01	38,10	14000	7880	6250	1,8
1.346	1.343	1.077	1.217	.564	.298	1.339	1.500	3150	1770		4.0
40,2	42,88	34,90	38,88	17,53	9,55	46,69	55,58	25700	15300	4500	2,3
1.583	1.688	1.374	1.531	.690	.376	1.838	2.188	5780	3440		5.0



Please check availability

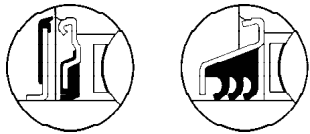
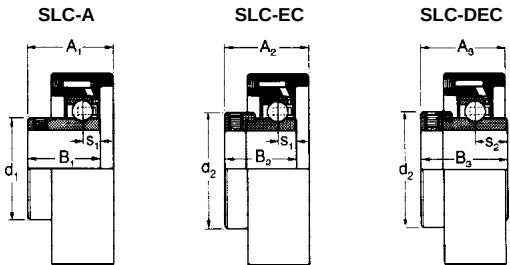
SLC SERIES



For housing tolerances to suit outside dia 'L' see page 23

Shaft diameter		RHP designation				Basic bearing group	Casting group	Dimensions					
						insert		L	A	A1	A2	A3	B
mm inches								mm inches					
12		SLC12		SLC12EC		1017	1	68,287	22,22	24,21	30,35	-	27,38
15		SLC15		SLC15EC				2.6885	.875	.953	1.195	-	1.078
16		SLC16		SLC16EC									
17		SLC17		SLC17EC									
	1/2	SLC1 1/2		SLC1 1/2EC									
	5/8	SLC5/8		SLC5/8EC									
20		SLC20	SLC20A	SLC20EC	SLC20DEC	1020	2	74,637	22,22	29,39	34,54	37,67	30,96
	3/4	SLC3/4	SLC3/4A	SLC3/4EC	SLC3/4DEC			2.9385	.875	1.157	1.360	1.483	1.219
25		SLC25	SLC25A	SLC25EC	SLC25DEC	1025	3	79,400	26,19	32,94	36,52	40,06	34,11
	7/8	SLC7/8		SLC7/8EC	SLC7/8DEC			3.1260	1.031	1.297	1.438	1.577	1.343
	15/16	SLC15/16		SLC15/16EC	SLC15/16DEC								
	1	SLC1	SLC1A	SLC1EC	SLC1DEC								
30		SLC30	SLC30A	SLC30EC	SLC30DEC	1030	4	88,925	27,78	36,12	40,56	43,99	38,10
	1 1/8	SLC1 1/8		SLC1 1/8EC	SLC1 1/8DEC			3.5010	1.094	1.422	1.597	1.732	1.500
	1 3/16	SLC1 3/16		SLC1 3/16EC	SLC1 3/16DEC								
	1 1/4	SLC1 1/4R	SLC1 1/4AR	SLC1 1/4ECR	SLC1 1/4DEC R								
35		SLC35	SLC35A	SLC35EC	SLC35DEC	1035	5	98,450	30,96	40,87	44,81	47,78	42,88
	1 1/4	SLC1 1/4	SLC1 1/4A	SLC1 1/4EC	SLC1 1/4DEC			3.8760	1.219	1.609	1.764	1.881	1.688
	1 3/8	SLC1 3/8		SLC1 3/8EC	SLC1 3/8DEC								
	1 7/16	SLC1 7/16		SLC1 7/16EC	SLC1 7/16DEC								
40		SLC40	SLC40A	SLC40EC	SLC40DEC	1040	6	106,387	37,31	48,84	51,28	53,57	49,23
	1 1/2	SLC1 1/2	SLC1 1/2A	SLC1 1/2EC	SLC1 1/2DEC			4.1885	1.469	1.923	2.019	2.109	1.938
45		SLC45	SLC45A	SLC45EC	SLC45DEC	1045	7	111,150	36,51	48,44	50,88	53,16	49,23
	1 5/8	SLC1 5/8		SLC1 5/8EC	SLC1 5/8DEC			4.3760	1.437	1.907	2.003	2.093	1.938
	1 11/16	SLC1 11/16		SLC1 11/16EC	SLC1 11/16DEC								
	1 3/4	SLC1 3/4	SLC1 3/4A	SLC1 3/4EC	SLC1 3/4DEC								
50		SLC50	SLC50A	SLC50EC	SLC50DEC	1050	8	115,913	37,31	51,18	51,28	56,72	51,59
	1 7/8	SLC1 7/8		SLC1 7/8EC	SLC1 7/8DEC			4.5635	1.469	2.015	2.019	2.233	2.031
	1 15/16	SLC1 15/16		SLC1 15/16EC	SLC1 15/16DEC								
	2	SLC2R											
55		SLC55		SLC55DEC		1055	9	125,437	40,48	53,57	-	63,83	55,55
	2 1/8	SLC2 1/8		SLC2 1/8EC	SLC2 1/8DEC			4.9385	1.594	2.109	-	2.513	2.187
	2 3/16	SLC2 3/16		SLC2 3/16EC	SLC2 3/16DEC								
60		SLC60		SLC60DEC		1060	10	149,250	41,28	60,30	-	67,39	65,07
	2 1/4	SLC2 1/4		SLC2 1/4EC	SLC2 1/4DEC			5.8760	1.625	2.374	-	2.653	2.562
	2 3/8	SLC2 3/8		SLC2 3/8EC	SLC2 3/8DEC								
	2 7/16	SLC2 7/16		SLC2 7/16EC	SLC2 7/16DEC								
65		SLC65		SLC65DEC		1065	10/65	149,250	41,28	60,30	-	67,39	65,07
	2 1/2	SLC2 1/2		SLC2 1/2EC	SLC2 1/2DEC			5.8760	1.625	2.374	-	2.653	2.562

Please check availability

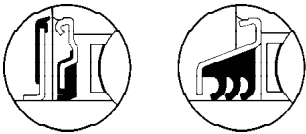
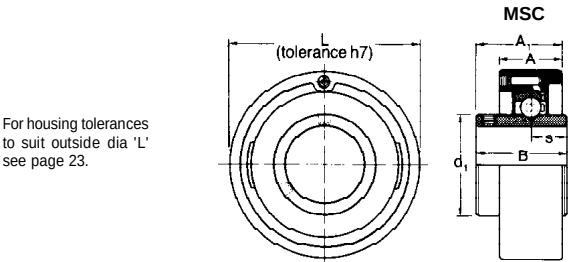


Bearing inserts with finger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLC25FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLC25.

B1	B2	B3	S	S1	S2	d1	d2	ISO load ratings		Rec. max. speed	Mass (approx.)
								dynamic	static		
mm	mm	mm	mm	mm	mm	mm	mm	Cr	Cor	rev/min	kg
inches	inches	inches	inches	inches	inches	inches	inches	lbf	lbf		lb
-	28,54	-	11,55	6,55	-	24,21	28,58	9550	4760	7000	0,6
-	1.124	-	.455	.258	-	.953	1.125	2150	1070		1.3
25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	12800	6580	6700	0,7
1.015	1.217	1.717	.502	.298	.674	1.122	1.311	2880	1480		1.5
27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	14000	7880	6250	0,8
1.077	1.217	1.748	.564	.298	.689	1.339	1.500	3150	1770		1.8
31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	19500	11300	5300	1,1
1.229	1.405	1.906	.627	.356	.721	1.575	1.750	4380	2540		2.5
34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	25700	15300	4500	1,4
1.374	1.531	2.015	.690	.376	.744	1.838	2.188	5780	3440		3.1
41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	29100	17900	4000	2,0
1.621	1.718	2.218	.752	.435	.845	2.075	2.374	6540	4020		4.4
41,18	43,64	56,34	19,10	11,05	21,46	57,30	63,50	32500	20500	3700	2,1
1.621	1.718	2.218	.752	.435	.845	2.256	2.500	7310	4610		4.7
43,54	43,64	62,70	19,10	11,05	24,65	62,20	69,85	35000	23200	3400	2,3
1.714	1.718	2.469	.752	.435	.970	2.449	2.750	7870	5220		5.1
-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	2,9
-	-	2.813	.877	-	1.095	2.709	3.000	9780	6560		6.3
-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	4,4
-	-	3.064	1.002	-	1.221	2.966	3.312	11800	8070		9.7
-	-	77,82	25,45	-	31,02	82,40	87,33	57500	40000	2600	4,5
-	-	3.064	1.002	-	1.221	3.244	3.438	12930	8990		9.9

MSC SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSC1³/₁₆FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMSC1³/₁₆.

Shaft diameter		RHP designation	Basic insert	Casting bearing	Dimensions group L		A	A ₁	B	s	d ₁
mm	inches				mm	inches					
25		MSC25	1030	1	88,925	27,78	36,12	38,10	15,93	40,00	
30		**			3-5010	1-094	1-422	1-500	-627	1-575	
	1	MSC1	1035	2	98,450	30,96	40,87	42,88	17,53	46,69	
35		**			3-8760	1-219	1-609	1-688	-690	1-838	
	1 ³ / ₁₆	MSC1 ³ / ₁₆									
	1 ¹ / ₄	**									
40		**	1040	3	106,387	37,31	48,84	49,23	19,10	52,70	
	1 ³ / ₈	MSC1 ³ / ₈			4-1885	1-469	1-923	1-938	-752	2-075	
	17/16	MSC17/16									
45		**	1045	4	111,150	36,51	48,44	49,23	19,10	57,30	
	1 ¹ / ₂	MSC1 ¹ / ₂			4-3760	1-437	1-907	1-938	-752	2-256	
50		**	1050	5	115,913	37,31	51,18	51,59	19,10	62,20	
	1 ¹¹ / ₁₆	MSC1 ¹¹ / ₁₆			4-5635	1-469	2-015	2-031	-752	2-449	
	1 ³ / ₄	MSC1 ³ / ₄									
55		**	1055	6	125,437	40,48	53,57	55,55	22,28	68,81	
	17/8	MSC17/8			4-9385	1-594	2-109	2-187	-877	2-709	
	1 ¹⁵ / ₁₆	MSC1 ¹⁵ / ₁₆									
	2	**									
60		**	1060	7	149,250	41,28	60,30	65,07	25,45	75,34	
	2 ³ / ₁₆	MSC2 ³ / ₁₆			5-8760	1-625	2-374	2-562	1-002	2-966	
	2 ¹ / ₄	**									
65		MSC65	1070	8	158,775	50,80	69,80	74,63	30,23	87,00	
70		MSC70			6-2510	2-000	2-748	2-938	1-190	3-425	
	27/16	MSC27/16									
	2 ¹ / ₂	MSC2 ¹ / ₂									
75		MSC75	1075	9	168,300	50,80	69,80	77,77	33,37	92,00	
	2 ¹¹ / ₁₆	MSC2 ¹¹ / ₁₆			6-6260	2-000	2-748	3-062	1-314	3-622	
	2 ³ / ₄	MSC2 ³ / ₄									
80		MSC80	1080	10	177,825	55,56	76,99	82,55	33,37	98,50	
	2 ¹⁵ / ₁₆	MSC2 ¹⁵ / ₁₆			7-0010	2-187	3-031	3-250	1-314	3-878	
	3	MSC3									
85		MSC85	1085	11	188,937	63,50	83,29	85,72	34,18	106,02	
	3 ³ / ₁₆	MSC3 ³ / ₁₆			7-4385	2-500	3-279	3-375	1-346	4-174	
	3 ¹ / ₄	MSC3 ¹ / ₄									
90		MSC90	1090	12	207,987	63,50	88,06	96,04	39,73	111,66	
	37/16	MSC37/16			8-1885	2-500	3-467	3-781	1-564	4-396	
	3 ¹ / ₂	MSC3 ¹ / ₂									
95		MSC95	3095	13	241,325	76,20	106,38	117,48	49,27	130,43	
100		MSC100			9-5010	3-000	4-188	4-625	1-940	5-135	
	3 ¹⁵ / ₁₆	MSC3 ¹⁵ / ₁₆									
	4	MSC4									

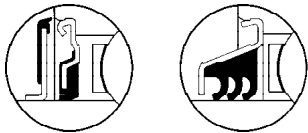
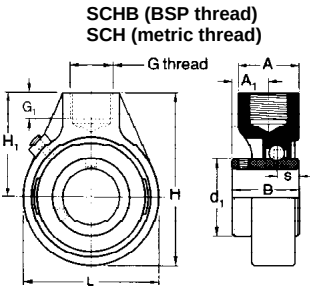
ISO load ratings		Rec. max. speed	Mass (approx.)
dynamic C _r	static C _{0r}	rev/min	kg lb
newtons lbf	newtons lbf		
19500 4380	11300 2540	5300	1,1 2.5
25700 5780	15300 3440	4500	1,4 3.1
29100 6540	17900 4020	4000	2,0 4.4
32500 7310	20500 4610	3700	2,1 4.7
35000 7870	23200 5220	3400	2,3 5.1
43500 9780	29200 6560	3100	2,9 6.3
52500 11800	35900 8070	2800	4,4 9.7
62000 13940	44000 9890	2450	5,3 11.6
66000 14840	49300 11080	2300	6,2 13.6
72500 16300	53000 11910	2150	7,9 17.4
83500 18770	63800 14340	2000	9,3 20.5
96000 21580	71500 16070	1900	12,7 28.0
143000 32150	110000 24730	1600	20,4 45.0

**For these bore sizes select from SLC Series (see page 64)

Please check availability

SCHB SERIES (BSP thread)
SCH SERIES (metric thread)**

**These series units are identical to SCHB series except for thread details



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. SCHB35FS.

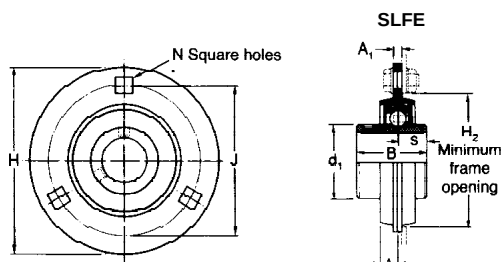
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSCH35

Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions		G ₁	L	H	H ₁	A
		BSP thread	metric thread			G (BSP)	G (metric)					
mm	inches							mm				
								inches				
20	3/4	SCHB20 SCHB3/4	SCH20 SCH3/4	1020	0	1/2	M16 x 2,00	19,0 ·748	67,0 2·638	91,6 3·606	57,2 2·252	34,0 1·339
25		SCHB25	SCH25	1030	2/0	1/2	M20 x 2,50	16,0 ·630	89,0 3·504	107,5 4·232	61,9 2·437	33,5 1·319
30	7/8	SCHB30 SCHB7/8	SCH30 SCH7/8									
	1	SCHB1	SCH1									
	1 1/8	SCHB1 1/8	SCH1 1/8									
35	1 3/16	SCHB35	SCH35	1035	1	3/4	M24 x 3,00	19,0 ·748	97,0 3·819	119,0 4·685	69,8 2·748	39,5 1·555
	1 1/4	SCHB1 3/16	SCH1 3/16									
	1 3/8	SCHB1 1/4	SCH1 1/4									
40	1 7/16	SCHB40	SCH40	1040	2	3/4	M24 x 3,00	19,0 ·748	107,0 4·213	127,5 5·020	73,0 2·874	39, 1·555
	1 1/2	SCHB1 7/16	SCH1 7/16									
45		SCHB45	SCH45	1050	3	1	M24 x 3,00	21,0 ·827	121,0 4·764	144,0 5·669	82,6 3·252	47,5 1·870
50	1 11/16	SCHB50	SCH50									
	1 3/4	SCHB1 11/16	SCH1 11/16									
	1 7/8	SCHB1 3/4	SCH1 3/4									
	1 15/16	SCHB1 7/8	SCH1 7/8									
	2	SCHB1 15/16	SCH1 15/16									
55		SCHB55	SCH55	1060	4	1 1/4	M42 x 4,50	29,0 1·142	146,5 5·768	175,0 6·890	101,6 4·000	58,5 2·303
60	2 3/16	SCHB60	SCH60									
	2 1/4	SCHB2 3/16	SCH2 3/16									
	2 3/8	SCHB2 1/4	SCH2 1/4									
	2 7/16	SCHB2 3/8	SCH2 3/8									
	2 1/2	SCHB2 7/16	SCH2 7/16									
		SCHB2 1/2	SCH2 1/2	1065	4/65	1 1/4	M42 x 4,50	29,0 1·142	146,5 5·768	175,0 6·890	101,6 4·000	58,5 2·303
65		SCHB65	SCH65	1075	5	1 1/2	M48 x 5,00	32,0 1·260	165,0 6·496	200,6 7·898	117,5 4·626	70,0 2·756
70		SCHB70	SCH70									
75	2 11/16	SCHB75	SCH75									
	2 3/4	SCHB2 11/16	SCH2 11/16									
	2 7/8	SCHB2 3/4	SCH2 3/4									
	2 15/16	SCHB2 7/8	SCH2 7/8									
80	3	SCHB80	SCH80	1080	6	1 1/2	M48 x 5,00	32,0 1·260	174,5 6·870	211,5 8·327	123,8 4·874	71,5 2·815
	3 3/16	SCHB3	SCH3									
		SCHB3 3/16	SCH3 3/16									

				ISO load ratings		Rec. max. speed	Mass (approx.)
A ₁	B	s	d ₁	dynamic C _r	static C _{or}		
mm				newtons	newtons	rev/ min	kg
inches				lbf	lbf		lb
18,26 ·719	30,96 1·219	12,75 ·502	28,50 1·122	12800 2880	6580 1480	6700	0,8 1·8
22,22 ·875	38,10 1·500	15,93 ·627	40,00 1·575	19500 4380	11300 2540	5300	1,2 2·7
25,40 1·000	42,88 1·688	17,53 ·690	46,69 1·838	25700 5780	15300 3440	4500	1,5 3·2
27,79 1·094	49,23 1·938	19,10 ·752	52,70 2·075	29100 6540	17900 4020	4000	1,6 3·6
27,79 1·094	51,59 2·031	19,10 ·752	62,20 2·449	35000 7870	23200 5220	3400	2,2 4·8
30,94 1·218	65,07 2·562	25,45 1·002	75,34 2·966	52500 11800	35900 8070	2800	3,5 7·7
30,94 1·218	65,07 2·562	25,45 1·002	75,34 2·966	57500 12930	40000 8990	2660	3,4 7·5
34,94 1·376	77,77 3·062	33,37 1·314	92,00 3·622	66000 14840	49300 11080	2300	6,8 14·9
41,29 1·626	82,55 3·250	33,37 1·314	98,50 3·878	72500 16300	53000 11910	2150	8,1 17·8

SLFE SERIES (ISO)

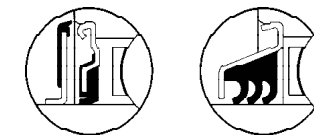
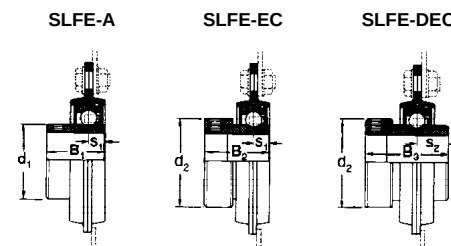
Housings of groups
6 to 10 inclusive
have four bolt holes



Note: these units are not re-greaseable.

Shaft diameter	RHP designation		Basic bearing insert	Housing group	Dimensions					
					H	H ₂	J	N	A	A ₁
mm inches					mm inches					
12 15 16 17 1/2 5/8	SLFE12 SLFE15 SLFE16 SLFE17 SLFE1/2 SLFE3/8	SLFE12EC SLFE15EC SLFE16EC SLFE17EC SLFE1/2EC SLFE3/8EC	1017	1	81,0 3-189	49,0 1-929	63,5 2-500	7,1 -280	6,7 -264	4,0 -157
20 3/4	SLFE20 SLFE3/4	SLFE20EC SLFE3/4EC	1020	2	90,5 3-563	55,0 2-165	71,5 2-815	8,7 -343	7,7 -303	4,0 -157
25 7/8 15/16 1	SLFE25 SLFE7/8 SLFE15/16 SLFE1	SLFE25EC SLFE7/8EC SLFE15/16EC SLFE1EC	1025	3	95,2 3-748	60,0 2-362	76,0 2-992	8,7 -343	8,7 -343	4,0 -157
30 1 1/8 1 3/16 1 1/4	SLFE30 SLFE1 1/8 SLFE1 3/16 SLFE1 1/4	SLFE30EC SLFE1 1/8EC SLFE1 3/16EC SLFE1 1/4EC	1030	4	112,7 4-437	71,0 2-795	90,5 3-563	10,5 -413	9,0 -354	5,0 -197
35 1 3/8 1 7/16	SLFE1 1/4L SLFE35 SLFE1 3/8 SLFE1 7/16	SLFE1 1/4L SLFE35EC SLFE1 3/8EC SLFE1 7/16EC	1035	5	122,2 4-811	81,0 3-189	100,0 3-937	10,5 -413	10,0 -394	5,0 -197
40 1 1/2	SLFE40 SLFE1 1/2	SLFE40EC SLFE1 1/2EC	1040	6	147,8 5-819	91,0 3-583	119,0 4-685	13,5 -531	10,0 -394	7,0 -276
45 15/8 1 11/16 1 3/4	SLFE45 SLFE15/8 SLFE1 11/16 SLFE1 3/4	SLFE45EC SLFE15/8EC SLFE1 11/16EC SLFE1 3/4EC	1045	7	149,2 5-874	97,0 3-819	120,5 4-744	13,5 -531	10,0 -394	7,0 -276
50 17/8 1 15/16 2	SLFE50 SLFE17/8 SLFE1 15/16 SLFE2R	SLFE50EC SLFE17/8EC SLFE1 15/16EC SLFE1 15/16EC	1050	8	155,6 6-126	102,0 4-016	127,0 5-000	13,5 -531	10,5 -413	8,0 -315
55 2 2 1/8 2 3/16	SLFE55 SLFE2 SLFE2 1/8 SLFE2 3/16	SLFE55EC SLFE2EC SLFE2 1/8EC SLFE2 3/16EC	1055	9	166,6 6-559	113,0 4-449	138,0 5-433	13,5 -531	10,7 -421	8,0 -315
60 2 1/4 2 7/16	SLFE60 SLFE2 1/4 SLFE2 7/16	SLFE60EC SLFE2 1/4EC SLFE2 7/16EC	1060	10	176,2 6-937	122,0 4-803	147,6 5-811	13,5 -531	11,9 -469	8,0 -315

Please check availability



Bearing inserts with finger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLFE25FS.

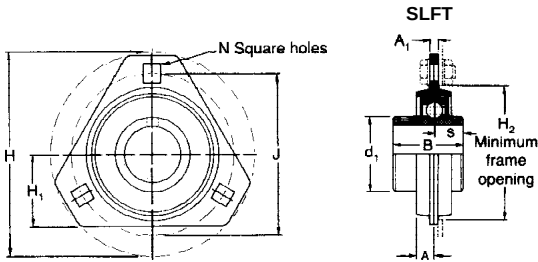
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLFE25.

B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	Max. radial housing load	Rec.max. speed	Mass (approx.)
mm inches									newtons lbf	rev/ min	kg lb
27,38 1-078	-	28,54 1-124	-	11,55 -455	6,55 -258	-	24,21 -953	28,58 1-125	2670 600	3000	0,2 0,5
30,96 1-219	25,77 1-015	30,92 1-217	43,62 1-717	12,75 -502	7,56 -298	17,12 -674	28,50 1-122	33,30 1-311	3110 700	3000	0,3 0,7
34,11 1-343	27,35 1-077	30,92 1-217	44,40 1-748	14,32 -564	7,56 -298	17,49 -689	34,01 1-339	38,10 1-500	3560 800	2500	0,4 0,9
38,10 1-500	31,21 1-229	35,68 1-405	48,42 1-906	15,93 -627	9,04 -356	18,32 -721	40,00 1-575	44,45 1-750	4890 1100	2500	0,7 1,5
42,88 1-688	34,90 1-374	38,88 1-531	51,18 2-015	17,53 -690	9,55 -376	18,89 -744	46,69 1-838	55,58 2-188	6250 1400	2000	0,9 2,0
49,23 1-938	41,18 1-621	43,64 1-718	56,34 2-218	19,10 -752	11,05 -435	21,46 -845	52,70 2-075	60,30 2-374	7550 1700	2000	1,5 3,3
49,23 1-938	41,18 1-621	43,64 1-718	56,34 2-218	19,10 -752	11,05 -435	21,46 -845	57,30 2-256	63,50 2-500	7550 1700	2000	1,6 3,5
51,59 2-031	43,54 1-714	43,64 1-718	62,70 2-469	19,10 -752	11,05 -435	24,65 -970	62,20 2-449	69,85 2-750	8450 1900	1500	1,8 4,0
55,55 2-187	-	-	71,44 2-813	22,28 -877	-	27,82 1-095	68,81 2-709	76,20 3-000	10200 2300	1500	2,2 4,8
65,07 2-562	-	-	77,82 3-064	25,45 1-002	-	31,02 1-221	75,34 2-966	84,12 3-312	11300 2540	1500	2,5 5,5

A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

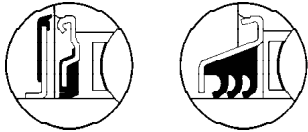
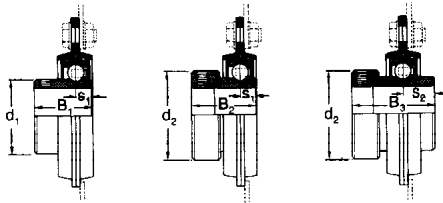
SLFT SERIES (ISO)

Note: these units are not re-greaseable.



Shaft diameter		RHP designation				Basic bearing insert	Housing group	Dimensions						
								H	H ₁	H ₂	J	N	A	
mm	inches							mm inches						
25		SLFT25	SLFT25A	SLFT25EC	SLFT25DEC	1025	3	95,2	34,2	60,0	76,0	8,7	8,7	
	⁷ / ₈	SLFT ⁷ / ₈		SLFT ⁷ / ₈ EC	SLFT ⁷ / ₈ DEC			3.748	1.346	2.362	2.992	.343	.343	
	¹⁵ / ₁₆	SLFT ¹⁵ / ₁₆		SLFT ¹⁵ / ₁₆ EC	SLFT ¹⁵ / ₁₆ DEC									
	1	SLFT1	SLFT1A	SLFT1EC	SLFT1DEC									
30		SLFT30	SLFT30A	SLFT30EC	SLFT30DEC	1030	4	112,7	40,2	71,0	90,5	10,5	9,0	
	¹ / ₈	SLFT ¹ / ₈		SLFT ¹ / ₈ EC	SLFT ¹ / ₈ DEC			4.437	1.583	2.795	3.563	.413	.354	
	³ / ₁₆	SLFT ³ / ₁₆		SLFT ³ / ₁₆ EC	SLFT ³ / ₁₆ DEC									
	¹ / ₄	SLFT ¹ / ₄	SLFT ¹ / ₄ A	SLFT ¹ / ₄ EC	SLFT ¹ / ₄ DEC									
35		SLFT ¹ / ₄ L	SLFT ¹ / ₄ AL	SLFT ¹ / ₄ ECL	SLFT ¹ / ₄ DECL	1035	5	122,2	44,2	81,0	100,0	10,5	10,0	
	¹ / ₄	SLFT35	SLFT35A	SLFT35EC	SLFT35DEC			4.811	1.740	3.189	3.937	.413	.394	
	³ / ₈	SLFT ³ / ₈		SLFT ³ / ₈ EC	SLFT ³ / ₈ DEC									
	¹⁷ / ₁₆	SLFT ¹⁷ / ₁₆		SLFT ¹⁷ / ₁₆ EC	SLFT ¹⁷ / ₁₆ DEC									

SLFT-A SLFT-EC SLFT-DEC



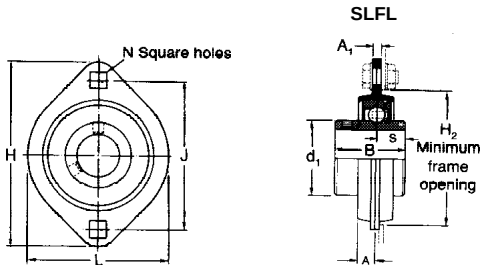
Bearing inserts with finger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLFT35FS.

Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLFT35.

A ₁		B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	Max. radial housing load	Rec.max. speed	Mass (approx.)
mm	inches										newtons lbf	rev/ min	kg lb
4,0	.157	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	3560	2500	0,3
		1.343	1.077	1.217	1.748	.564	.298	.689	1.339	1.500	800		0.7
5,0	.197	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	4890	2500	0,5
		1.500	1.229	1.405	1.906	.627	.356	.721	1.575	1.750	1100		1.1
5,0	.197	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	6250	2000	0,7
		1.688	1.374	1.531	2.016	.690	.376	.744	1.838	2.188	1400		1.5

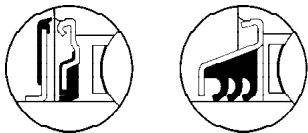
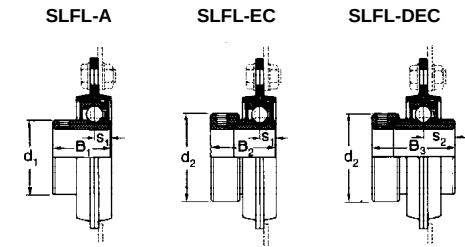
A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

SLFL SERIES (ISO)



Note: these units are not re-greaseable.

Shaft diameter		RHP designation				Basic bearing insert	Housing group	Dimensions					
								L	H	H ₂	J	N	A
mm	inches							mm					
								inches					
12		SLFL12		SLFL12EC		1017	1	58,7	81,0	49,0	63,5	7,1	6,7
15		SLFL15		SLFL15EC				2-311	3-189	1-929	2-500	-280	-264
16		SLFL16		SLFL16EC									
17		SLFL17		SLFL17EC									
	1/2	SLFL1 1/2		SLFL1 1/2EC									
	5/8	SLFL5/8		SLFL5/8EC									
20		SLFL20	SLFL20A	SLFL20EC	SLFL20DEC	1020	2	66,7	90,5	55,0	71,5	8,7	7,7
	3/4	SLFL3/4	SLFL3/4A	SLFL3/4EC	SLFL3/4DEC			2-626	3-563	2-165	2-815	-343	-303
25		SLFL25	SLFL25A	SLFL25EC	SLFL25DEC	1025	3	71,0	95,3	60,0	76,0	8,7	8,7
	7/8	SLFL7/8		SLFL7/8EC	SLFL7/8DEC			2-795	3-752	2-362	2-992	-343	-343
	15/16	SLFL15/16		SLFL15/16EC	SLFL15/16DEC								
	1	SLFL1	SLFL1A	SLFL1EC	SLFL1DEC								
30		SLFL30	SLFL30A	SLFL30EC	SLFL30DEC	1030	4	84,1	112,7	71,0	90,5	10,5	9,0
	1 1/8	SLFL1 1/8		SLFL1 1/8EC	SLFL1 1/8DEC			3-311	4-437	2-795	3-563	-413	-354
	1 3/16	SLFL1 3/16		SLFL1 3/16EC	SLFL1 3/16DEC								
	1 1/4	SLFL1 1/4	SLFL1 1/4A	SLFL1 1/4EC	SLFL1 1/4DEC								
35		SLFL35	SLFL35A	SLFL35EC	SLFL35DEC	1035	5	93,8	122,8	81,0	100,0	11,0	10,0
	1 3/8	SLFL1 3/8		SLFL1 3/8EC	SLFL1 3/8DEC			3-693	4-835	3-189	3-937	-433	-394
	1 7/16	SLFL1 7/16		SLFL1 7/16EC	SLFL1 7/16DEC								
40		SLFL40	SLFL40A	SLFL40EC	SLFL40DEC	1040	6	100,0	148,0	90,0	119,0	13,9	10,4
	1 1/2	SLFL1 1/2	SLFL1 1/2A	SLFL1 1/2EC	SLFL1 1/2DEC			3-937	5-827	3-543	4-685	-547	-409



Bearing inserts with finger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLFL1FS.

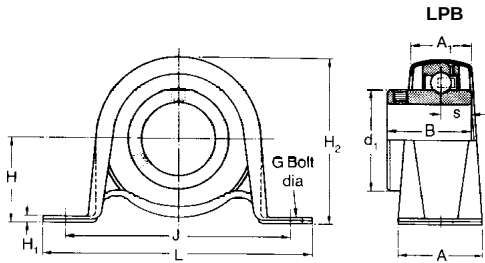
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLFL1.

A ₁	B	B ₁	B ₂	B ₃	S	S ₁	S ₂	d ₁	d ₂	Max. radial housing load	Rec.max. speed	Mass (approx.)
mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	newtons lbf	rev/min	kg lb
4,0	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	2670	3000	0,2
157	1-078	-	1-124	-	455	258	-	953	1-125	600		0-4
4,0	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	3110	3000	0,3
157	1-219	1-015	1-217	1-717	502	298	674	1-122	1-311	700		0-6
4,0	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	3560	2500	0,3
157	1-343	1-077	1-217	1-748	564	298	689	1-339	1-500	800		0-7
5,0	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	4890	2500	0,5
197	1-500	1-229	1-405	1-906	627	356	721	1-575	1-750	1100		1-2
5,0	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	6490	2000	0,65
197	1-688	1-374	1-531	2-016	690	376	744	1-838	2-188			
7,0	49,23	41,18	43,64	56,34	19,10	11,05	21,46	52,70	60,30	7490	1700	1,1
276	1-938	1-621	1-718	2-218	752	435	845	2-075	2-374			

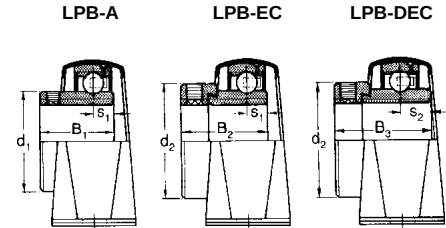
A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

LPB SERIES (ISO)

Note: these units are not re-greaseable.

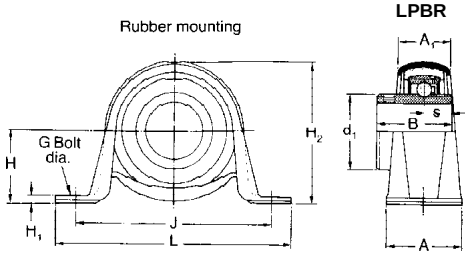


Shaft diameter		RHP designation				Basic bearing insert	Housing group	Dimensions					
								L	H	H ₁	H ₂	J	G
mm	inches							mm inches					
12		LPB12		LPB12EC		1017	1	85,7	22,2	2,4	43,2	68,0	8
15		LPB15		LPB15EC				3-374	-874	-094	1-701	2-677	⁵ / ₁₆
16		LPB16		LPB16EC									
17		LPB17		LPB17EC									
	¹ / ₂	LPB ¹ / ₂		LPB ¹ / ₂ EC									
	⁵ / ₈	LPB ⁵ / ₈		LPB ⁵ / ₈ EC									
20		LPB20	LPB20A	LPB20EC	LPB20DEC	1020	2	98,4	25,4	2,4	49,9	76,0	8
	³ / ₄	LPB ³ / ₄	LPB ³ / ₄ A	LPB ³ / ₄ EC	LPB ³ / ₄ DEC			3-874	1-000	-094	1-965	2-992	⁵ / ₁₆
25		LPB25	LPB25A	LPB25EC	LPB25DEC	1025	3	108,0	28,6	2,8	55,8	86,0	10
	⁷ / ₈	LPB ⁷ / ₈		LPB ⁷ / ₈ EC	LPB ⁷ / ₈ DEC			4-252	1-126	-110	2-197	3-386	³ / ₈
	¹⁵ / ₁₆	LPB ¹⁵ / ₁₆		LPB ¹⁵ / ₁₆ EC	LPB ¹⁵ / ₁₆ DEC								
	1	LPB1	LPB1A	LPB1EC	LPB1DEC								
30		LPB30	LPB30A	LPB30EC	LPB30DEC	1030	4	117,5	33,3	3,6	65,7	95,0	10
	¹ / ₈	LPB ¹ / ₈		LPB ¹ / ₈ EC	LPB ¹ / ₈ DEC			4-626	1-311	-142	2-587	3-740	³ / ₈
	¹ / ₁₆	LPB ¹ / ₁₆		LPB ¹ / ₁₆ EC	LPB ¹ / ₁₆ DEC								
	¹ / ₄	LPB ¹ / ₄	LPB ¹ / ₄ A	LPB ¹ / ₄ EC	LPB ¹ / ₄ DEC								
	¹ / ₄	LPB ¹ / ₄ L	LPB ¹ / ₄ AL	LPB ¹ / ₄ ECL	LPB ¹ / ₄ DECL	1035	5	128,6	39,7	4,4	77,5	106,0	10
35		LPB35	LPB35A	LPB35EC	LPB35DEC			5-063	1-563	-173	3-051	4-173	³ / ₈
	¹ / ₈	LPB ¹ / ₈		LPB ¹ / ₈ EC	LPB ¹ / ₈ DEC								
	1 ⁷ / ₁₆	LPB ¹ / ₁₆		LPB ¹ / ₁₆ EC	LPB ¹ / ₁₆ DEC								



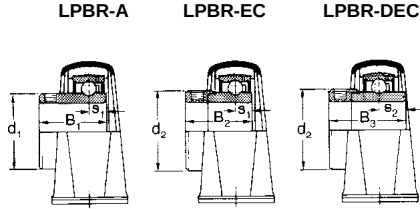
A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	Max. radial downward radial load	Rec. max speed	Mass (approx.)
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	newtons	rev/min	kg
inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	lbf	min	lb
25,4	15,9	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	1330	3000	0,2
1-000	-626	1-078	-	1-124	-	-455	-258	-	-953	1-125	300		0-4
31,7	21,6	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	1570	3000	0,2
1-248	-850	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	350		0-5
31,7	21,6	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	1780	2500	0,3
1-248	-850	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	400		0-7
37,5	25,5	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	2670	2500	0,5
1-476	1-004	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	600		1-1
41,0	28,4	42,88	34,90	38,88	51,18	17,53	9,55	18,89	46,69	55,58	3560	2000	0,9
1-614	1-118	1-688	1-374	1-531	2-015	-690	-376	-744	1-838	2-188	800		1-9

LPBR SERIES



Note: these units are not re-greaseable.

Shaft diameter		RHP designation		Basic bearing insert	Housing group	Dimensions				
						L	H	H ₁	H ₂	J
mm inches						mm inches				
12		LPBR12	LPBR12EC	1017	2	98,4	25,4	2,4	49,9	76,0
15		LPBR15	LPBR15EC			3-874	1-000	-094	1-965	2-992
16		LPBR16	LPBR16EC							8
17		LPBR17	LPBR17EC							5/16
	1/2	LPBR1/2	LPBR1/2EC							
	5/8	LPBR5/8	LPBR5/8EC	1020	3	108,0	28,6	2,8	55,8	86,0
20		LPBR20	LPBR20EC			4-252	1-126	-110	2-197	3-386
	3/4	LPBR3/4	LPBR3/4EC							3/8
		LPBR20A	LPBR20AEC							
		LPBR20DEC	LPBR20DEC							
25		LPBR25	LPBR25EC	1025	4	117,5	33,3	3,6	65,7	95,0
	7/8	LPBR7/8	LPBR7/8EC			4-626	1-311	-142	2-587	3-740
	15/16	LPBR15/16	LPBR15/16EC							3/8
	1	LPBR1	LPBR1EC							
		LPBR1A	LPBR1AEC							
30		LPBR30	LPBR30EC	1030	5	128,6	39,7	4,4	77,5	106,0
	1 1/8	LPBR1 1/8	LPBR1 1/8EC			5-063	1-563	-173	3-051	4-173
	1 3/16	LPBR1 3/16	LPBR1 3/16EC							3/8
	1 1/4	LPBR1 1/4	LPBR1 1/4EC							
		LPBR1 1/4A	LPBR1 1/4AEC							



A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	Max. downward radial load	Rec. max. speed	Mass (approx.)
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	newtons	rev/min	kg
inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	lbf	min	lb
31,7	21,6	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	890	3000	0,2
1-248	-850	1-078	-	1-124	-	-455	-258	-	-953	1-125	200		0.5
31,7	21,6	30,96	25,77	30,92	43,62	12,75	7,56	17,12	28,50	33,30	1110	3000	0,3
1-248	-850	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	250		0.7
37,5	25,5	34,11	27,35	30,92	44,40	14,32	7,56	17,49	34,01	38,10	1330	2500	0,5
1-476	1-004	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	300		1.1
41,0	28,4	38,10	31,21	35,68	48,42	15,93	9,04	18,32	40,00	44,45	1560	2500	0,9
1-614	1-118	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	350		1.9

1000G
With spherical outside diameter and integral set screw lock

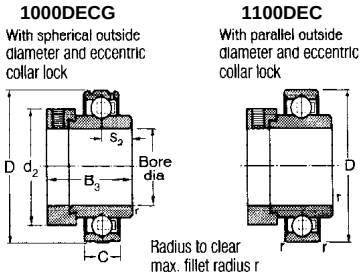
1100
With parallel outside diameter and integral set screw lock

2 set screws 120° apart

Radius to clear max. fillet radius r

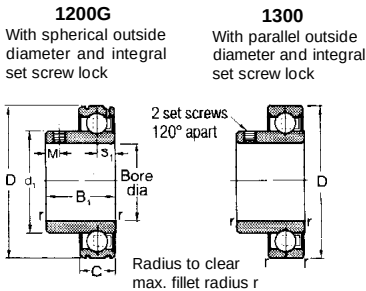
Please check availability81

1000DECG AND 1100DEC SERIES (ISO)



Shaft diameter	RHP designation		Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)
	1000DECG series	1100DEC series	D	C	B ₃	s ₂	d ₂	r	dynamic C _r	static C _{0r}		
mm inches			mm inches						newtons lbf	newtons lbf	rev/min	kg lb
20 3/4	1020-20DECG 1020-3/4DECG	1120-20DEC 1120-3/4DEC	47,000 1-8504	14,00 -551	43,62 1-717	17,12 -674	33,30 1-311	1,00 -039	12800 2880	6580 1480	7450	0,20 -44
25 7/8 15/16 1	1025-25DECG 1025-7/8DECG 1025-15/16DECG 1025-1DEC	1125-25DEC 1125-7/8DEC 1125-15/16DEC 1125-1DEC	52,000 2-0472	15,00 -591	44,40 1-748	17,49 -689	38,10 1-500	1,00 -039	14000 3150	7880 1770	6250	0,26 -57
30 1 1/8 1 3/16 1 1/4	1030-30DECG 1030-1 1/8DECG 1030-1 3/16DECG 1030-1 1/4DECG	1130-30DEC 1130-1 1/8DEC 1130-1 3/16DEC 1130-1 1/4DEC	62,000 2-4409	16,00 -630	48,42 1-906	18,32 -721	44,45 1-750	1,00 -039	19500 4380	11300 2540	5300	0,53 1-17
35 1 1/4 1 3/8 1 7/16	1035-35DECG 1035-1 1/4DECG 1035-1 3/8DECG 1035-1 7/16DECG	1135-35DEC 1135-1 1/4DEC 1135-1 3/8DEC 1135-1 7/16DEC	72,000 2-8346	17,00 -669	51,18 2-015	18,89 -744	55,58 2-188	1,00 -039	25700 5780	15300 3440	4500	0,70 1-54
40 1 1/2	1040-40DECG 1040-1 1/2DECG	1140-40DEC 1140-1 1/2DEC	80,000 3-1496	18,00 -709	56,34 2-218	21,46 -845	60,30 2-374	1,00 -039	29100 6540	17900 4020	4000	0,82 1-81
45 1 5/8 1 11/16 1 3/4	1045-45DECG 1045-1 5/8DECG 1045-1 11/16DECG 1045-1 3/4DECG	1145-45DEC 1145-1 5/8DEC 1145-1 11/16DEC 1145-1 3/4DEC	85,000 3-3465	19,00 -748	56,34 2-218	21,46 -845	63,50 2-500	1,00 -039	32500 7310	20500 4610	3700	1,08 2-38
50 1 7/8 1 5/16	1050-50DECG 1050-1 7/8DECG 1050-1 5/16DECG	1150-50DEC 1150-1 7/8DEC 1150-1 5/16DEC	90,000 3-5433	20,00 -787	62,70 2-469	24,65 -970	69,85 2-750	1,00 -039	35000 7870	23200 5220	3400	1,19 2-62
55 2 1/8 2 1/16	1055-55DECG 1055-2DECG 1055-1 5/8DECG 1055-2 1/16DECG	1155-55DEC 1155-2DEC 1155-1 5/8DEC 1155-2 1/16DEC	100,000 3-9370	21,00 -827	71,44 2-813	27,82 1-095	76,20 3-000	1,50 -059	43500 9780	29200 6560	3100	1,40 3-09
60 2 1/4 2 3/8 2 7/16 2 1/2	1060-60DECG 1060-2 1/4DECG 1060-2 3/8DECG 1060-2 7/16DECG 1065-2 1/2DECG	1160-60DEC 1160-2 1/4DEC 1160-2 3/8DEC 1160-2 7/16DEC 1165-2 1/2DEC	110,000 4-3307	22,00 -866	77,82 3-064	31,02 1-221	84,12 3-312	1,50 -059	52500 11800	35900 8070	2800	1,72 3-79
65 2 1/2 2 5/8 2 11/16	1070-65DECG 1070-2 1/2DECG 1070-2 5/8DECG 1070-2 11/16DECG	1170-65DEC 1170-2 1/2DEC 1170-2 5/8DEC 1170-2 11/16DEC	120,000 4-7244	23,00 -906	77,82 3-064	31,02 1-221	87,33 3-438	1,50 -059	57500 12930	40000 8990	2600	2,21 4-87
70 2 5/8 2 11/16	1075-65DECG 1075-2 5/8DECG 1075-2 11/16DECG	1175-65DEC 1175-2 5/8DEC 1175-2 11/16DEC	125,000 4-9213	24,00 -945	85,36 3-361	34,19 1-346	96,82 3-812	1,50 -059	62000 13940	44000 9890	2450	2,56 5-64
65 2 11/16 2 3/4 2 7/8 2 5/16	1075-65DECG 1075-2 11/16DECG 1075-2 3/4DECG 1075-2 7/8DECG 1075-2 5/16DECG	1175-65DEC 1175-2 11/16DEC 1175-2 3/4DEC 1175-2 7/8DEC 1175-2 5/16DEC	130,000 5-1181	25,00 -984	91,72 3-611	37,37 1-471	101,60 4-000	1,50 -059	66000 14840	49300 11080	2300	2,94 6-48

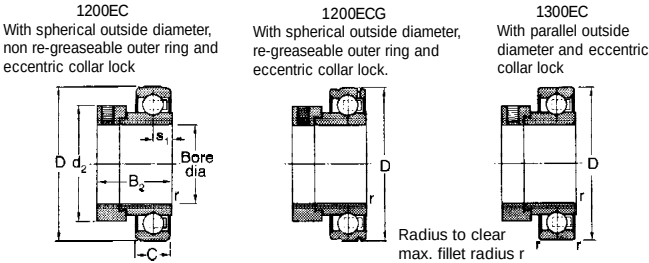
1200G AND 1300 SERIES



Shaft diameter		RHP designation		Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)	
		1200G series	1300 series	D	C	B ₁	s ₁	d ₁	M	r	dynamic C _r			static C _{0r}
mm	inches			mm							newtons	newtons	rev/min	kg
				inches							lbf	lbf		lb
20	3/4	1220-20G	1320-20	47,000	14,00	25,77	7,56	28,50	5,35	1,00	12800	6580	7450	0,10
		1220-3/4G	1320-3/4	1-8504	-551	1-015	-298	1-122	-211	-039	2880	1480		
25	1	1225-25G	1325-25	52,000	15,00	27,35	7,56	34,01	5,35	1,00	14000	7880	6250	0,13
		1225-1G	1325-1	2-0472	-591	1-077	-298	1-339	-211	-039	3150	1770		
30	1 1/4	1230-30G	1330-30	62,000	16,00	31,21	9,04	40,00	5,85	1,00	19500	11300	5300	0,32
		1230-1 1/4G	1330-1 1/4	2-4409	-630	1-229	-356	1-575	-230	-039	4380	2540		
35	1 1/4	1235-35G	1335-35	72,000	17,00	34,90	9,55	46,69	7,35	1,00	25700	15300	4500	0,43
		1235-1 1/4G	1335-1 1/4	2-8346	-669	1-374	-376	1-838	-289	-039	5780	3440		
40	1 1/2	1240-40G	1340-40	80,000	18,00	41,18	11,05	52,70	7,95	1,00	29100	17900	4000	0,54
		1240-1 1/2G	1340-1 1/2	3-1496	-709	1-621	-435	2-075	-313	-039	6540	4020		
45	1 3/4	1245-45G	1345-45	85,000	19,00	41,18	11,05	57,30	7,95	1,00	32500	20500	3700	0,61
		1245-1 3/4G	1345-1 3/4	3-3465	-748	1-621	-435	2-256	-313	-039	7310	4610		
50		1250-50G	1350-50	90,000	20,00	43,54	11,05	62,20	8,95	1,00	35000	23200	3400	0,76
				3-5433	-787	1-714	-435	2-449	-352	-039	7870	5220		

Please check availability.

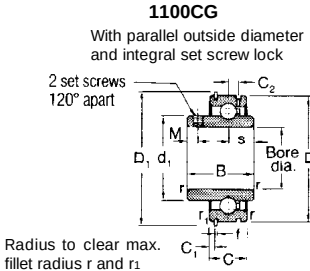
1200EC AND 1200ECG SERIES (ISO)
1300EC SERIES



Shaft diameter	RHP designation			Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
	1200EC series	1200ECG series	1300EC series	D	C	B2	s1	d2	r		dynamic C _r	static C _{0r}		
mm inches				mm inches							newtons lbf	newtons lbf	rev/min	kg lb
12	1217-12EC	1217-12ECG	1317-12EC	40,000	12,00	28,54	6,55	28,58	0,60	9550	4760	7000	0,15	
15	1217-15EC	1217-15ECG	1317-15EC	1-5748	-472	1-124	-258	1-125	-024	2150	1070			-33
16	1217-16EC	1217-16ECG	1317-16EC											
17	1217-17EC	1217-17ECG	1317-17EC											
1/2	1217-1/2EC	1217-1/2ECG	1317-1/2EC											
5/8	1217-5/8EC	1217-5/8ECG	1317-5/8EC											
20	1220-20EC	1220-20ECG	1320-20EC	47,000	14,00	30,92	7,56	33,30	1,00	12800	6580	6700	0,16	
3/4	1220-3/4EC	1220-3/4ECG	1320-3/4EC	1-8504	-551	1-217	-298	1-311	-039	2880	1480			-35
25	1225-25EC	1225-25ECG	1325-25EC	52,000	15,00	30,92	7,56	38,10	1,00	14000	7880	6250	0,23	
7/8	1225-7/8EC	1225-7/8ECG	1325-7/8EC	2-0472	-591	1-217	-298	1-500	-039	3150	1770			5-1
15/16	1225-15/16EC	1225-15/16ECG	1325-15/16EC											
1	1225-1EC	1225-1ECG	1325-1EC											
30	1230-30EC	1230-30ECG	1330-30EC	62,000	16,00	35,68	9,04	44,45	1,00	19500	11300	5300	0,40	
1 1/8	1230-1 1/8EC	1230-1 1/8ECG	1330-1 1/8EC	2-4409	-630	1-405	-356	1-750	-039	4380	2540			-88
1 3/16	1230-1 3/16EC	1230-1 3/16ECG	1330-1 3/16EC											
1 1/4	1230-1 1/4EC	1230-1 1/4ECG	1330-1 1/4EC											
35	1235-35EC	1235-35ECG	1335-35EC	72,000	17,00	38,88	9,55	55,58	1,00	25700	15300	4500	0,58	
1 1/4	1235-1 1/4EC	1235-1 1/4ECG	1335-1 1/4EC	2-8346	-669	1-531	-376	2-188	-039	5780	3440			1-28
1 3/8	1235-1 3/8EC	1235-1 3/8ECG	1335-1 3/8EC											
1 7/16	1235-1 7/16EC	1235-1 7/16ECG	1335-1 7/16EC											
40	1240-40EC	1240-40ECG	1340-40EC	80,000	18,00	43,64	11,05	60,30	1,00	29100	17900	4000	0,73	
1 1/2	1240-1 1/2EC	1240-1 1/2ECG	1340-1 1/2EC	3-1496	-709	1-718	-435	2-374	-039	6540	4020			1-61
45	1245-45EC	1245-45ECG	1345-45EC	85,000	19,00	43,64	11,05	63,50	1,00	32500	20500	3700	0,87	
1 5/8	1245-1 5/8EC	1245-1 5/8ECG	1345-1 5/8EC	3-3465	-748	1-718	-435	2-500	-039	7310	4610			1-92
1 11/16	1245-1 11/16EC	1245-1 11/16ECG	1345-1 11/16EC											
1 3/4	1245-1 3/4EC	1245-1 3/4ECG	1345-1 3/4EC											
50	1250-50EC	1250-50ECG	1350-50EC	90,000	20,00	43,64	11,05	69,84	1,00	35000	23200	3400	0,98	
1 7/8	1250-1 7/8EC	1250-1 7/8ECG	1350-1 7/8EC	3-5433	-787	1-718	-435	2-750	-039	7870	5220			2-16
1 15/16	1250-1 15/16EC	1250-1 15/16ECG	1350-1 15/16EC											
2	1250-2EC	1250-2ECG	1350-2EC											

Please check availability.

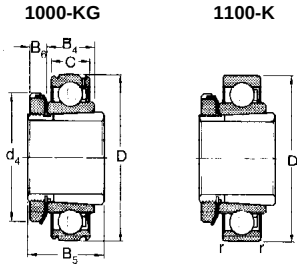
1100CG SERIES



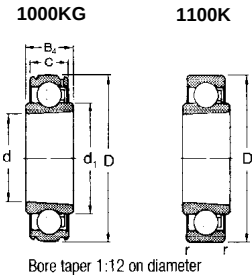
Shaft diameter	RHP designation 1100CG series	Dimensions														ISO load ratings		Rec. max. speed	Mass (approx.)
		D	D1	C	C1	C2	B	s	d1	f	M	r	r1			dynamic C _r	static C _{0r}		
mm inches		mm inches														newtons lbf	newtons lbf	rev/min	kg lb
20	1120-20CG 1120-3/4CG	47,000 1-8504	52,68 2-074	15,88 -625	2,39 -094	4,17 -164	30,96 1-219	12,75 -502	28,50 1-122	1,12 -044	5,35 -211	1,00 -039	0,50 -020	12800 2880	6580 1480	6700	0,23 -50		
25	1125-25CG 1125-7/8CG 1125-15/16CG 1125-1CG	52,000 2-0472	57,81 2-276	19,05 -750	2,39 -094	4,39 -173	34,11 1-343	14,32 -564	34,01 1-339	1,12 -044	5,35 -211	1,00 -039	0,50 -020	14000 3150	7880 1770	6250	0,31 -68		
30	1130-30CG 1130-1 1/8CG 1130-1 3/16CG	62,000 2-4409	67,69 2-665	22,22 -875	3,18 -125	5,10 -201	38,10 1-500	15,93 -627	40,00 1-575	1,70 -067	5,85 -230	1,00 -039	0,50 -020	19500 4380	11300 2540	5300	0,42 -93		
35	1135-35CG 1135-1 1/4CG 1135-1 3/8CG 1135-1 7/16CG	72,000 2-8346	78,51 3-091	23,81 -937	3,18 -125	5,61 -221	42,88 1-688	17,53 -690	46,69 1-838	1,70 -067	7,35 -289	1,00 -039	1,00 -039	25700 5780	15300 3440	4500	0,61 1-35		
40	1140-40CG 1140-1 1/2CG	80,000 3-1496	86,51 3-406	27,78 1-094	3,18 -125	6,22 -245	49,23 1-938	19,10 -752	52,70 2-075	1,70 -067	7,95 -313	1,00 -039	1,00 -039	29100 6540	17900 4020	4000	0,91 2-00		
45	1145-45CG 1145-1 5/8CG 1145-1 11/16CG 1145-1 3/4CG	85,000 3-3465	91,51 3-603	27,78 1-094	3,18 -125	6,52 -257	49,23 1-938	19,10 -752	57,30 2-256	1,70 -067	7,95 -313	1,00 -039	1,00 -039	32500 7310	20500 4610	3700	1,05 2-31		
1 7/8	1150-1 7/8CG	90,000	96,49	28,58	3,18	6,72	51,59	19,10	62,20	2,46	8,95	1,00	1,00	35000	23200	3400	1,10		
1 15/16	1150-1 15/16CG	3-5433	3-799	1-125	-125	-265	2-031	-752	2-449	-097	-352	-039	-039	7870	5220				

Please check availability.

1000-KG AND 1100-K SERIES

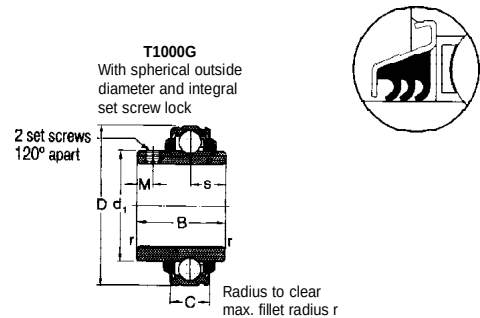


Shaft diameter		RHP designation				Dimensions					
		1000-KG series	1100-K series	sleeve,nut & lockwasher assembly only	bearing insert without sleeve, nut & lockwasher	D	C	B ₄	B ₅	B ₆	d
mm	inches					mm	inches				
20	3/4	1025-20KG	1125-20K	H305	1025KG	52,000	15,00	19,00	29,00	8,00	25,000
		1025-3/4KG	1125-3/4K	HE305-3/4		2-0472	·591	·748	1-142	·315	·9843
25	15/16 1	1030-25KG	1130-25K	H306	1030KG	62,000	16,00	20,00	31,00	8,00	30,000
		1030-15/16KG	1130-15/16K	HE306-15/16		2-4409	·630	·787	1-220	·315	1-1811
		1030-1KG	1130-1K	HE306-1							
30	1 1/8 1 3/16	1035-30KG	1135-30K	H307	1035KG	72,000	17,00	21,00	35,00	9,00	35,000
		1035-1 1/8KG	1135-1 1/8K	HE307-1 1/8		2-8346	·669	·827	1-378	·354	1-3780
		1035-1 3/16KG	1135-1 3/16K	HE307-1 3/16							
35	1 1/4 1 3/8	1040-35KG	1140-35K	H308	1040KG	80,000	18,00	22,00	36,00	10,00	40,000
		1040-1 1/4KG	1140-1 1/4K	HE308-1 1/4		3-1496	·709	·866	1-417	·394	1-5748
		1040-1 3/8KG	1140-1 3/8 K	HE308-1 3/8							
40	1 7/16 1 1/2	1045-40KG	1145-40K	H309	1045KG	85,000	19,00	23,00	39,00	11,00	45,000
		1045-1 7/16KG	1145-1 7/16K	HE309-1 7/16		3-3465	·748	·906	1-535	·433	1-7717
		1045-1 1/2KG	1145-1 1/2K	HE309-1 1/2							
45	1 11/16 1 3/4	1050-45kG	1150-45K	H310	1050KG	90,000	20,00	24,00	42,00	12,00	50,000
		1050-1 11/16KG	1150-1 11/16K	HE310-1 11/16		3-5433	·787	·945	1-654	·472	1-9685
		1050-1 3/4KG	1150-1 3/4K	HE310-1 3/4							
50	1 15/16 2	1055-50KG	1155-50K	H311	1055KG	100,000	21,00	25,00	45,00	12,00	55,000
		1055-1 15/16KG	1155-1 15/16K	HE311-1 15/16		3-9370	·827	·984	1-772	·472	2-1654
		1055-2KG	1155-2K	HE311-2							



			ISO load ratings		Rec. max. speed	Mass (approx.)
d1	d4	r	dynamic Cr	static Cor		
mm			newtons lbf	newtons lbf	rev/min	kg lb
inches						
34,01 1-339	38,00 1-496	1,00 -039	14000 3150	7880 1770	6250	0,20 0-44
40,000 1-575	45,00 1-772	1,00 -039	19500 4380	11300 2540	5300	0,30 0-67
46,69 1-838	52,00 2-047	1,00 -039	25700 5780	15300 3440	4500	0,42 0-92
52,70 2-075	58,00 2-283	1,00 -039	29100 6540	17900 4020	4000	0,54 1-19
57,30 2-256	65,00 2-559	1,00 -039	32500 7310	20500 4610	3700	0,64 1-42
62,20 2-449	70,00 2-756	1,00 0-39	35000 7870	23200 5220	3400	0,75 1-65
68,81 2-709	75,00 2-953	1,50 -059	43500 9780	29200 6560	3100	0,95 2-10

T1000G SERIES

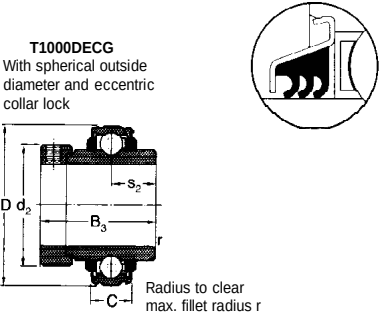


Shaft diameter	RHP designation	Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
		D	C	B	s	d ₁	M	r	dynamic C _r	static C _{0r}		
mm inches		mm inches							newtons lbf	newtons rev/ lbf min		kg lb
25 7/8 15/16 1	T1025-25G T1025-7/8G T1025-15/16G T1025-1G	52,000 2.0472	15,00 .591	34,11 1.343	14,32 .564	34,01 1.339	5,35 .211	1,00 .039	14000 3150	7880 1770	1000	0,17 .38
25 30 7/8 1 1 1/8 1 3/16 1 1/4	T1030-25G T1030-30G T1030-7/8G T1030-1G T1030-1 1/8G T1030-1 3/16G T1030-1 1/4G	62,000 2.4409	18,00 .709	38,10 1.500	15,93 .627	40,00 1.575	5,85 .230	1,0 .039	19500 4380	11300 2540	850	0,37 .81
30 35 1 3/16 1 1/4 1 3/8 1 7/16	T1035-30G T1035-35G T1035-1 3/16G T1035-1 1/4G T1035-1 3/8G T1035-1 7/16G	72,000 2.8346	19,00 .748	42,88 1.688	17,53 .690	46,69 1.838	7,35 .289	1,00 .039	25700 5780	15300 3440	750	0,51 1.12
35 40 1 3/8 1 7/16 1 1/2	T1040-35G T1040-40G T1040-1 3/8G T1040-1 7/16G T1040-1 1/2G	80,000 3.1496	21,00 .827	49,23 1.938	19,10 .752	52,70 2.075	7,95 .313	1,00 .039	29100 6540	17900 4020	650	0,64 1.41
40 45 1 1/2 1 5/8 1 11/16 1 3/4	T1045-40G T1045-45G T1045-1 1/2G T1045-1 5/8G T1045-1 11/16G T1045-1 3/4G	85,000 3.3465	22,00 .866	49,23 1.938	19,10 .752	57,30 2.256	7,95 .313	1,00 .039	32500 7310	20500 4610	600	0,73 1.62
45 50 1 11/16 1 3/4 1 7/8 1 15/16 2	T1050-45G T1050-50G T1050-1 11/16G T1050-1 3/4G T1050-1 7/8G T1050-1 15/16G T1050-2G	90,000 3.5433	23,00 .906	51,59 2.031	19,10 .752	62,20 2.449	8,95 .352	1,00 .039	35000 7870	23200 5220	550	0,91 2.00
50 55 1 7/8 1 15/16 2 2 1/8 2 3/16	T1055-50G T1055-55G T1055-1 7/8G T1055-1 15/16G T1055-2G T1055-2 1/8G T1055-2 3/16G	100,000 3.9370	25,00 .984	55,55 2.187	22,28 .877	68,81 2.709	9,55 .376	1,50 .059	43500 9780	29200 6560	500	1,12 2.47

Please check availability.

Shaft diameter	RHP designation	Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
		D	C	B	s	d ₁	M	r	dynamic C _r	static C _{0r}		
mm inches		mm inches							newtons lbf	newtons rev/ lbf min		kg lb
55 60 2 3/16 2 1/4 2 3/8 2 7/16	T1060-55G T1060-60G T1060-2 3/16G T1060-2 1/4G T1060-2 3/8G T1060-2 7/16G	110,000 4.3307	25,00 .984	65,07 2.562	25,45 1.002	75,34 2.966	9,55 .376	1,50 .059	52500 11800	35900 8070	450	1,50 3.30
60 65 70 2 7/16 2 1/2 2 5/8 2 11/16	T1070-60G T1070-65G T1070-70G T1070-2 7/16G T1070-2 1/2G T1070-2 5/8G T1070-2 11/16G	125,000 4.9213	28,00 1.102	74,63 2.938	30,23 1.190	87,00 3.425	12,15 .478	1,50 .059	62000 13940	44000 9890	400	2,30 5.07
75 80 2 15/16 3	T1080-75G T1080-80G T1080-2 15/16G T1080-3G	140,000 5.5118	30,00 1.181	82,55 3.250	33,37 1.314	98,50 3.878	11,15 .439	2,00 .079	72500 16300	53000 11910	345	3,27 7.20

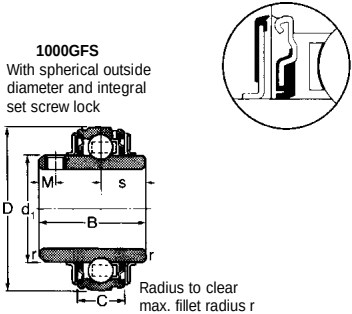
T1000DECG SERIES



Shaft diameter	RHP designation	Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)
		D	C	B ₃	s ₂	d ₂	r	dynamic C _r	static C _{or}		
mm inches		mm inches						newtons lbf	newtons lbf	rev/min	kg lb
25 7/8 15/16 1	T1025-25DECG T1025-7/8DECG T1025-15/16DECG T1025-1DECG	52,000 2-0472	15,00 -591	44,40 1-748	17,49 -689	38,10 1-500	1,00 -039	14000 3150	7880 1770	1000	0,26 -57
30 1 1/8 1 3/16 1 1/4	T1030-30DECG T1030-1 1/8DECG T1030-1 3/16DECG T1030-1 1/4DECG	62,000 2-4409	18,00 -709	48,42 1-906	18,32 -721	44,45 1-750	1,00 -039	19500 4380	11300 2540	850	0,53 1-17
35 1 1/4 1 3/8 1 7/16	T1035-35DECG T1035-1 1/4DECG T1035-1 3/8DECG T1035-1 7/16DECG	72,000 2-8346	19,00 -748	51,18 2-015	18,89 -744	55,58 2-188	1,00 -039	25700 5780	15300 3440	750	0,70 1-54
40 1 1/2	T1040-40DECG T1040-1 1/2DECG	80,000 3-1496	21,00 -827	56,34 2-218	21,46 -845	60,30 2-374	1,00 -039	29100 6540	17900 4020	650	0,82 1-81
45 1 5/8 1 11/16 1 3/4	T1045-45DECG T1045-1 5/8DECG T1045-1 11/16DECG T1045-1 3/4DECG	85,00 3-3465	22,00 -866	56,34 2-218	21,46 -845	63,50 2-500	1,00 -039	32500 7310	20500 4610	600	1,08 2-38
50 1 7/8 1 15/16	T1050-50DECG T1050-1 7/8DECG T1050-1 15/16DECG	90,000 3-5433	23,00 -906	62,70 2-469	24,65 -970	69,85 2-750	1,00 -039	35000 7870	23200 5220	550	1,19 2-62
55 2 2 1/8 2 3/16	T1055-55DECG T1055-2DECG T1055-2 1/8DECG T1055-2 3/16DECG	100,000 3-9370	25,00 -984	71,44 2-813	27,82 1-095	76,20 3-000	1,50 -059	43500 9780	29200 6560	500	1,40 3-09
60 2 1/4 2 1/16	T1060-60DECG T1060-2 1/4DECG T1060-2 1/16DECG	110,000 4-3307	25,00 -984	77,82 3-064	31,02 1-221	84,12 3-312	1,5 -059	52500 11800	35900 8070	450	1,81 4-00
65 70	T1070-65DECG T1070-70DECG	125,000 4-9213	28,00 1-102	85,36 3-361	34,19 1-346	96,82 3-812	1,5 -059	62000 13940	44000 9890	400	2,49 5-50
80	T1080-80DECG	140,000 5-5118	30,00 1-181	99,95 3-935	40,53 1-596	111,12 4-375	2,0 -079	72500 16300	53000 11910	350	3,54 7-80

Please check availability.

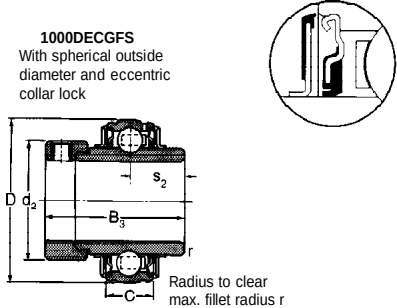
1000GFS SERIES



Shaft diameter	RHP designation	Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)
		D	C	B	s	d ₁	M	dynamic C _r	static C _{or}		
mm inches		mm inches						newtons lbf	newtons lbf	rev/min	kg lb
25 7/8 15/16 1	1025-25GFS 1025-7/8GFS 1025-15/16GFS 1025-1GFS	52,000 2-0472	15,00 -591	34,11 1-343	14,32 -564	34,01 1-339	5,35 -211	14000 3150	7880 1770	6250	0,17 -38
25 30 7/8 1 1 1/8 1 3/16 1 1/4	1030-25GFS 1030-30GFS 1030-7/8GFS 1030-1GFS 1030-1 1/8GFS 1030-1 3/16GFS 1030-1 1/4GFS	62,000 2-4409	16,00 -630	38,10 1-500	15,93 -627	40,00 1-575	5,85 -230	19500 4380	11300 2540	5300	0,37 -81
30 35 1 3/16 1 1/4 1 5/16 1 3/8 1 7/16	1035-30GFS 1035-35GFS 1035-1 3/16GFS 1035-1 1/4GFS 1035-1 5/16GFS 1035-1 3/8GFS 1035-1 7/16GFS	72,000 2-8346	17,00 -669	42,88 1-688	17,53 -690	46,69 1-838	7,35 -289	25700 5780	15300 3440	4500	0,51 1-12
35 40 1 3/8 1 7/16 1 1/2	1040-35GFS 1040-40GFS 1040-1 3/8GFS 1040-1 7/16GFS 1040-1 1/2GFS	80,000 3-1496	18,00 -709	49,23 1-938	19,10 -752	52,70 2-075	7,95 -313	29100 6540	17900 4020	4000	0,64 1-41
40 45 1 1/2 1 5/8 1 11/16 1 3/4	1045-40GFS 1045-45GFS 1045-1 1/2GF 1045-1 5/8GFS 1045-1 11/16GFS 1045-1 3/4GFS	85,000 3-3465	19,00 -748	49,23 1-938	19,10 -752	57,30 2-256	7,95 -313	32500 7310	20500 4610	3700	0,73 1-62
45 50 1 11/16 1 3/4 1 7/8 1 15/16 2	1050-45GFS 1050-50GFS 1050-1 11/16GFS 1050-1 3/4GFS 1050-1 7/8GFS 1050-1 15/16GFS 1050-2GFS	90,000 3-5433	20,00 -787	51,59 2-031	19,10 -752	62,20 2-449	8,95 -352	35000 7870	23200 5220	3400	0,91 2-00
50 55 1 7/8 1 15/16 2 2 1/8 2 3/16	1055-50GFS 1055-55GFS 1055-1 7/8GFS 1055-1 15/16GFS 1055-2GFS 1055-2 1/8GFS 1055-2 3/16GFS	100,000 3-9370	21,00 -827	55,55 2-187	22,28 -877	68,81 2-709	9,55 -376	43500 9780	29200 6560	3100	1,12 2-47
55 60 2 3/16 2 1/4 2 3/8 2 7/16	1060-55GFS 1060-60GFS 1060-2 3/16GFS 1060-2 1/4GFS 1060-2 3/8GFS 1060-2 7/16GFS	110,000 4-3307	22,00 -866	65,07 2-562	25,45 1-002	75,34 2-966	9,55 -376	52500 11800	35900 8070	2800	1,47 3-25

Please check availability.

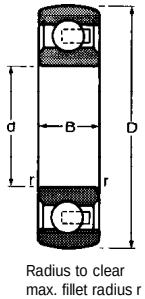
1000DECGFS SERIES



Shaft diameter	RHP designation	Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)	
		D	C	B ₃	s ₂	d ₂	r	dynamic C _r	static C _{0r}			
mm	inches	mm	inches					newtons lbf	newtonsrev/ lbf min		kg lb	
25	7/8	1025-25DECGFS	52,000	15,00	44,40	17,49	38,10	1,00	14000	7880	6250	0,26
	15/16	1025-7/8DECGFS	2-0472	-591	1-748	-689	1-500	-039	3150	1770		-57
	1	1025-15/16DECGFS										
		1025-1DECGFS										
30	1 1/8	1030-30DECGFS	62,000	16,00	48,42	18,32	44,45	1,00	19500	11300	5300	0,53
	1 3/16	1030-1 1/8DECGFS	2-4409	-630	1-906	-721	1-750	-039	4380	2540		1-17
	1 3/8	1030-1 3/16DECGFS										
	1 1/4	1030-1 1/4DECGFS										
35	1 1/4	1035-35DECGFS	72,000	17,00	51,18	18,89	55,58	1,00	25700	15300	4500	0,70
	1 5/16	1035-1 1/4DECGFS	2-8346	-669	2-015	-744	2-188	-039	5780	3440		1-54
	1 5/8	1035-1 5/16DECGFS										
	1 7/16	1035-1 3/8DECGFS										
		1035-1 7/16DECGFS										
40	1 1/2	1040-40DECGFS	80,000	18,00	56,34	21,46	60,30	1,00	29100	17900	4000	0,82
		1040-1 1/2DECGFS	3-1496	-709	2-218	-845	2-374	-039	6540	4020		1-81
45	1 5/8	1045-45DECGFS	85,000	19,00	56,34	21,46	63,50	1,00	32500	20500	3700	1,08
	1 11/16	1045-1 5/8DECGFS	3-3465	-748	2-218	-845	2-500	-039	7310	4610		2-38
	1 3/4	1045-1 11/16DECGFS										
		1045-1 3/4DECGFS										
50	1 7/8	1050-50DECGFS	90,000	20,00	62,70	24,65	69,85	1,00	35000	23200	3400	1,19
	1 5/16	1050-1 7/8DECGFS	3-5433	-787	2-469	-970	2-750	-039	7870	5220		2-62
		1050-1 5/16DECGFS										
55	2	1055-55DECGFS	100,000	21,00	71,44	27,82	76,20	1,50	43500	29200	3100	1,40
	2 1/8	1055-2DECGFS	3-9370	-827	2-813	1-095	3-000	-059	9780	6560		3-09
	2 3/16	1055-2 1/8DECGFS										
		1055-2 3/16DECGFS										
60	2 1/4	1060-60DECGFS	110,000	22,00	77,82	31,02	84,12	1,50	52500	35900	2800	1,72
	2 3/8	1060-2 1/4DECGFS	4-3307	-866	3-064	1-221	3-312	-059	11800	8070		3-79
	2 7/16	1060-2 3/8DECGFS										
	2 1/2	1060-2 7/16DECGFS										
		1060-2 1/2DECGFS										

Please check availability.

1726200-2RS SERIES
AND 1726300-2RS SERIES



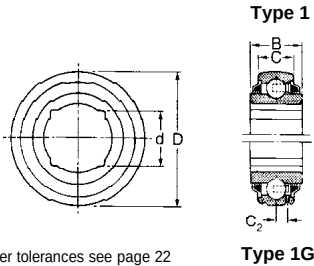
RHP designation	Dimensions				ISO load ratings		Axial load factor f ₀	Rec. max. speed	Mass (approx.)
	d	D	B	r	dynamic C _r	static C _{0r}			
	mm inches				newtons lbf	newtons lbf		rev/min	kg lb
1726203-2RS	17,000	40,000	12,00	0,60	9550	4760	13,1	12500	0,06
	-6693	1-5748	-472	-024	2150	1070			0-14
1726204-2RS	20,000	47,000	14,00	1,00	12800	6580	13,1	14000	0,10
	-7874	1-8504	-551	-039	2880	1480			0-22
1726205-2RS	25,000	52,000	15,00	1,00	14000	7880	13,9	9800	0,12
	-9843	2-0472	-591	-039	3150	1770			0-27
1726206-2RS	30,000	62,000	16,00	1,00	19500	11300	13,8	8200	0,20
	1-1811	2-4409	-630	-039	4380	2540			0-43
1726207-2RS	35,000	72,000	17,00	1,00	25700	15300	13,8	7100	0,28
	1-3780	2-8346	-669	-039	5780	3440			0-61
1726208-2RS	40,000	80,000	18,00	1,00	29100	17400	14,0	6300	0,35
	1-5748	3-1496	-709	-039	6540	4020			0-77
1726209-2RS	45,000	85,000	19,00	1,00	32500	20500	14,1	5900	0,40
	1-7717	3-3465	-748	-039	7310	4610			0-87
1726210-2RS	50,000	90,000	20,00	1,00	35000	23200	14,4	5500	0,5
	1-9685	3-5433	-787	-039	7870	5220			1-0
1726308-2RS	40,000	90,000	23,00	1,50	40500	23900	13,2	5900	0,6
	1-5748	3-5433	-906	-059	9100	5370			1-3
1726309-2RS	45,000	100,000	25,00	1,50	53000	31700	13,0	5300	0,8
	1-7717	3-9370	-984	-059	11900	7130			1-8
1726310-2RS	50,000	110,000	27,00	2,00	62000	37900	13,0	4800	1,1
	1-9685	4-3307	1-063	-079	13940	8520			2-4

1726200-2RS series only:
These bearings can be supplied fitted into standard housings and pressings.
To obtain the unit designation add the 'bearing bore' and '-2RS' to the housing series reference, e.g. NP25-2RS.

For bore and outside dia. Tolerances see page 22.

Please check availability.

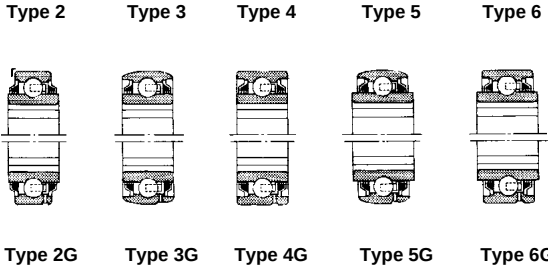
PDFN AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

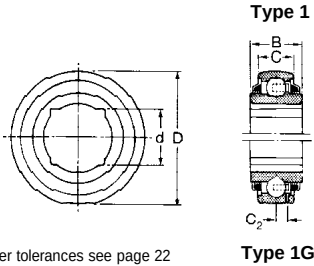
Square shaft	RHP designation		Type	Dimensions square bore		outside diameter		
	spherical outside diameter	parallel outside diameter		d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
7/8	2/DNF240/7	DF140/8Y	1	23,09 -909	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
7/8	PDFNF240/7Y		5	23,09 -909	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1	DNF140/8Y		1	26,30 1-035	0,20 -008	80,000 3-1496	30,16 1-188	21,00 -827
1	DNF240/8Y		1	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	21,00 -827
1	2/DNF240/8		1	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
1			2	26,30 1-035	0,20 -008	80,000 3-1496	30,16 1-188	21,00 -827
1	DF240/8Y		2	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	21,00 -827
1	2/DF240/8		2	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
1	PDFNF240/8Y		5	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1	1/PDNF240/8G		5G	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	24,00 -945
1	PDF240/8Y	DF140/9Y	6	26,30 1-035	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1 1/8	DNF140/9		1	29,44 1-159	0,20 -008	80,000 3-1496	30,16 1-188	21,00 -827
1 1/8	DNF240/9Y		1	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	21,00 -827
1 1/8	2/DNF240/9		1	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
1 1/8			2	29,44 1-149	0,20 -008	80,000 3-1496	30,16 1-188	21,00 -827
1 1/8	2/DF240/9		2	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
1 1/8	PDFNF240/9Y		5	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1 1/8	PDFNF240/9GY		5G	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1 1/8	1/PDNF240/9G		5G	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	24,00 -945
1 1/8	PDF240/9Y		6	29,44 1-159	0,20 -008	80,000 3-1496	36,51 1-438	30,16 1-188
1 1/8	DNF145/9Y	PDFNF145/9Y	1	29,44 1-159	0,20 -008	85,000 3-3465	30,16 1-188	22,00 -866
1 1/8	PDFNF145/9Y		3	29,44 1-159	0,20 -008	85,000 3-3465	30,16 1-188	30,16 1-188
1 1/8	PDFNF245/9Y		5	29,44 1-159	0,20 -008	85,000 3-3465	36,51 1-438	30,16 1-188
1 1/8	PDFNF150/9Y		3	29,44 1-159	0,20 -008	90,000 3-5433	30,16 1-188	30,16 1-188
1 1/8								

Please check availability



C2	r	ISO load ratings		Rec. max speed	Mass (approx.)	Interchange data		
		dynamic C _r	static C _{0r}			Fafnir	BCA	NDH
mm inches		newtons lbf	newtons lbf	rev/min	kg lb			
-	-	29100	17900	650	0,74	W208PPB13	DS208TT13	AS4508FF
-	-	6540	4020		1-62			
-	-	29100	17900	650	0,89			
-	-	6540	4020		1-96			
-	-	29100	17900	650	0,63			
-	-	6540	4020		1-39			
-	-	29100	17900	650	0,69			
-	-	6540	4020		1-52			
-	-	29100	17900	650	0,62	W208PPB6	DS208TT6	AS4508BK
-	-	6540	4020		1-37			
-	1,00	29100	17900	650	0,63			
-	0,039	6540	4020		1-39			
-	1,00	29100	1700	650	0,69			
-	0,039	6540	4020		1-52			
-	1,00	29100	17900	650	0,72	W208PP6	DC208TT6	
-	0,039	6540	4020		1-59			
-	-	29100	17900	650	0,81	W208PP9	DS208TT9	AS4508BE
-	-	6540	4020		1-79			
6,20	-	29100	17900	650	0,79	GW208PPB6	DS208TTR6	RAS4508AE
2,44	-	6540	4020		1-75			
-	1,00	29100	17900	650	0,81	W208PP9		AS4508AD
-	0,039	6540	4020		1-79			
-	-	29100	17900	650	0,59			
-	-	6540	4020		1-30			
-	0,039	6540	4020		1-30			
-	1,00	29100	17900	650	0,58	W208PP5	DC208TT5	AS4508BH
-	0,039	6540	4020		1-28			
-	-	29100	17900	650	0,75	W208PPB8	DS208TT8	AS4508EF
-	-	6540	4020		1-66			
6,20	-	29100	17900	650	0,75	GW208PPB8	DS208TTR8	RAS4508EF
2,44	-	6540	4020		1-66			
6,20	-	29100	17900	650	0,70	GW208PPB5	DS208TTR5	RAS4508BJ
2,44	-	6540	4020		1-54			
-	1,00	29100	17900	650	0,75	WS208PP8	DC208TT8	AS4508BD
-	0,039	6540	4020		1-66			
-	-	32500	20500	600	0,70			
-	-	7310	4610		1-54			
-	-	32500	20500	600	0,78			
-	-	7310	4610		1-72			
-	-	32500	20500	600	0,83			
-	-	7310	4610		1-83			
-	-	35000	23200	550	0,95	W210PPB4	DS210TT4	AS4510F
-	-	7870	5220		2-11			

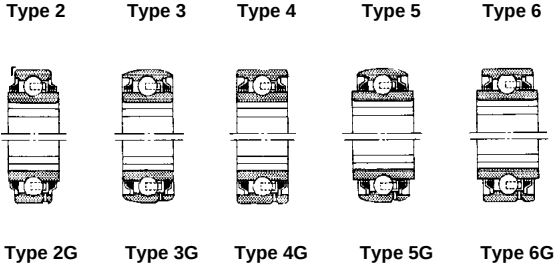
PDFN AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

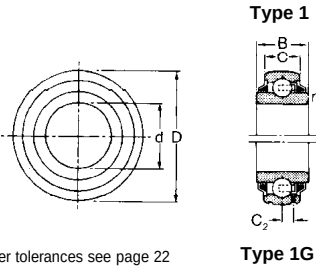
Square shaft	RHP designation		Type	Dimensions				
	spherical outside diameter	parallel outside diameter		square bore		outside diameter		
				d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
1 1/8	PDFN150/9GY		3G	29,44	0,20	90,000	30,16	30,16
1 1/8		PDF150/9Y	4	1.159	-.008	3.5433	1.188	1.188
1 1/8				29,44	0,20	90,000	30,16	30,16
1 1/8		PDF150/9GY	4G	1.159	-.008	3.5433	1.188	1.188
1 1/8	PDFN250/9Y		5	29,44	0,20	90,000	36,51	30,16
30				1.159	-.008	3.5433	1.438	1.188
30	DNF240/9AY		1	30,94	0,20	80,000	36,51	21,00
30				1.218	-.008	3.1496	1.438	-.827
30	DNF145/9AY		1	30,94	0,20	85,000	30,16	22,00
30		DF245/9AY	2	1.218	-.008	3.3465	1.188	-.866
1 1/4				30,94	0,20	85,000	36,51	22,00
1 1/4	DNF145/10Y		1	1.218	-.008	3.3465	1.438	-.866
1 1/4				32,95	0,20	85,000	30,16	22,00
1 1/4				1.297	-.008	3.3465	1.188	-.866
1 1/4	DNF245/10Y		1	32,95	0,20	85,000	36,51	22,00
1 1/4				1.297	-.008	3.3465	1.438	-.866
1 1/4	DNF245/10GY		1G	32,95	0,20	85,000	36,51	22,00
1 1/4				1.297	-.008	3.3465	1.438	-.866
1 1/4	PDFN245/10Y		5	32,95	0,20	85,000	36,51	30,16
1 1/4				1.297	-.008	3.3465	1.438	1.188
1 1/4	PDFN145/10GY		5G	32,95	0,20	85,000	36,51	30,16
1 1/4				1.297	-.008	3.3465	1.438	1.188
1 1/4		PDF245/10Y	6	32,95	0,20	85,000	36,51	30,16
1 1/4				1.297	-.008	3.3465	1.438	1.188
1 1/4	DNF155/10Y		1	32,95	0,20	100,000	33,34	25,00
1 1/2				1.297	-.008	3.9370	1.312	-.984
1 1/2	DNF155/12AY		1	39,12	0,20	100,000	33,34	25,00
1 1/2				1.540	-.008	3.9370	1.312	-.984
1 1/2	PDFN155/12Y		3	39,12	0,20	100,000	33,34	33,34
1 1/2				1.540	-.008	3.9370	1.312	1.312
1 1/2	PDFN155/12GY		3G	39,12	0,20	100,000	33,34	33,34
1 1/2				1.540	-.008	3.9370	1.312	1.312
1 1/2		PDF155/12Y	4	39,12	0,20	100,000	33,34	33,34
1 1/2				1.540	-.008	3.9370	1.312	1.312
1 1/2		PDF55/12GY	4G	39,12	0,20	100,000	33,34	33,34
1 1/2				1.540	-.008	3.9370	1.312	1.312
40	DNF155/12AY		1	41,20	0,20	100,000	33,34	25,00
40				1.622	-.008	3.9370	1.312	0.984
40		PDF155/12AY	4	41,20	0,20	100,000	33,34	33,34
40				1.622	-.008	3.9370	1.312	1.312

Please check availability



C2	r	ISO load ratings		Rec. max speed	Mass (approx.)	Interchange data		
		dynamic Cr	static Cor			Fafnir	BCA	NDH
mm inches		newtons lbf	newtons lbf	rev/ min	kg lb			
6,70	-	35000	23200	550	0,95	GW210PPB4	DS210TTR4	RAS4510F
.264	-	7870	5220		2.11			
-	1,00	35000	23200	550	0,95	W210PP4	DC210TT4	AS4510B
-.039	-	7870	5220		2.11			
6,70	1,00	35000	23200	550	0,95	GW210PP4	DC210TTR4	RAS4510B
.264	.039	7870	5220		2.11			
-	-	35000	23200	550	1,01	W210PPB6	DS210TT6	
-	-	7870	5220		2.25			
-	-	29100	17900	650	0,61			
-	-	6540	4020		1.35			
-	-	32500	20500	600	0,67			
-	-	7310	4610		1.48			
-	-	32500	20500	600	0,73			
-	-	7310	4610		1.61			
-	-	32500	20500	600	0,65			
-	-	7310	4610		1.43			
-	-	32500	20500	600	0,75	W20PPB8	DS209TT8	AS4509EF
-	-	7310	4610		1.66			
6,50	-	32500	20500	600	0,75	GW209PPB8	DS209TTR8	RAS4509EF
.256	-	7310	4610		1.66			
-	-	32500	20500	600	0,79	W209PPB5	DS209TT5	AS4509A
-	-	7310	4610		1.75			
6,50	-	32500	20500	600	0,79	GW209PPB5	DS209TTR5	RAS4509A
.256	-	7310	4610		1.75			
-	1,00	32500	20500	600	0,79		DC209TT5	AS4509AD
-	.039	7310	4610		1.75			
-	-	43500	29200	500	1,32			
-	-	9780	6560		2.90			
-	-	43500	29200	500	1,16			
-	-	9780	6560		2.56			
-	-	43500	29200	500	1,26	W211PPB3	DS211TT3	AS4511BE
-	-	9780	6560		2.79			
7,40	-	43500	29200	500	1,26	GW211PPB3	DS211TTR3	RAS4511BE
.291	-	9780	6560		2.79			
-	1,50	43500	29200	500	1,26	W211PP3	DC211TT3	AS4511BD
-	.059	9780	6560		2.79			
7,40	1,50	43500	29200	500	1,26	GW211PP3	DC211TTR3	RAS4511BD
.291	.059	9780	6560		2.79			
-	-	43500	29200	500	1,19			
-	-	9780	6560		2.62			
-	1,50	43500	29200	500	1,19			
-	.059	9780	6560		2.62			

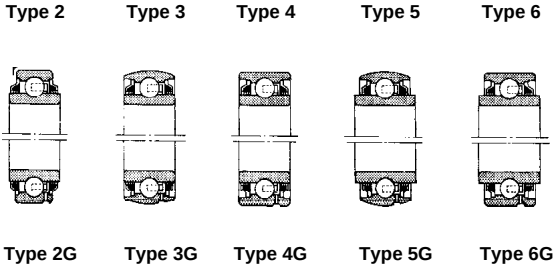
PDFN AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

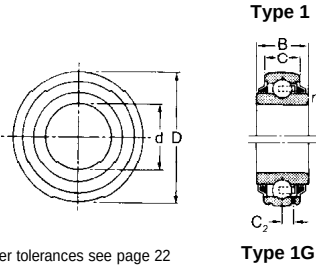
Shaft diameter	RHP designation		Type	Dimensions bore diameter		outside diameter		
	spherical outside diameter	parallel outside diameter		d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
1 ³ / ₁₆	2/DNF140-1 ³ / ₁₆	DF140-1 ¹ / ₄ Y	1	30,176 1-1880	0,013 -0005	80,000 3-1496	30,16 1-188	18,00 -709
1 ³ / ₁₆	PDFNF-140-1 ³ / ₁₆ Y		3	30,176 1-1880	0,013 -0005	80,000 3-1496	30,16 1-188	30,16 1-188
1 ¹ / ₄	DNF140-1 ¹ / ₄ Y		1	31,763 1-2505	0,013 -0005	80,000 3-1496	30,16 1-188	21,00 -827
1 ¹ / ₄			2	31,763 1-2505	0,013 -0005	80,000 3-1496	30,16 1-188	21,00 -827
1 ¹ / ₄	PDFNF140-1 ¹ / ₄ Y		3	31,763 1-2505	0,013 -0005	80,000 3-1496	30,16 1-188	30,16 1-188
1 ¹ / ₂	DNF11004		1	38,113 1-5005	0,013 -0005	80,000 3-1496	42,86 1-688	21,00 -827
1 ¹ / ₂			2	38,113 1-5005	0,013 -0005	80,000 3-1496	42,86 1-688	21,00 -827
1 ¹ / ₂	PDFNF140-1 ¹ / ₂ Y		3	38,113 1-5005	0,013 -0005	80,000 3-1496	30,16 1-188	30,16 1-188
1 ¹ / ₂	PDFNF11016		5	38,113 1-5005	0,013 -0005	80,000 3-1496	42,86 1-688	30,16 1-188
1 ¹ / ₂	28/PDNF145-1 ¹ / ₂		3	38,990 1-535	0,250 -010	85,000 3-3465	30,16 1-188	30,16 1-188
40	28/PDN145-1 ¹ / ₂ G	3G	38,990 1-535	0,250 -010	85,000 3-3465	30,16 1-188	30,16 1-188	
	DNF140-40GY	1G	40,000 1-5748	0,013 -0005	80,000 3-1496	30,16 1-188	21,00 -827	
45	DNF145-45Y	1	45,000 1-7717	0,013 -0005	85,000 3-3465	30,16 1-188	22,0 -866	
45	PDFNF145-45Y	3	45,000 1-7717	0,013 -0005	85,000 3-3465	30,16 1-188	30,16 1-188	
45	PDFNF145-45GY	3G	45,000 1-7717	0,013 -0005	85,000 3-3465	30,16 1-188	30,16 1-188	
45	DNF11006	1G	45,160 1-778	0,180 -007	85,000 3-3465	36,51 1-438	22,00 -866	
1 ³ / ₄	5/PDNF150-1 ³ / ₄	3	45,340 1-785	0,250 -010	90,000 3-5433	30,16 1-188	30,16 1-188	
1 ¹⁵ / ₁₆	DNF150-1 ¹⁵ / ₁₆ Y	1	49,225 1-9380	0,013 -0005	90,000 3-5433	30,16 1-188	23,00 -906	
1 ¹⁵ / ₁₆		2	49,225 1-9380	0,013 -0005	90,000 3-5433	30,16 1-188	23,00 -906	
1 ¹⁵ / ₁₆	PDFNF150-1 ¹⁵ / ₁₆ Y	3	49,225 1-9380	0,013 -0005	90,000 3-5433	30,16 1-188	30,16 1-188	
1 ¹⁵ / ₁₆	PDFNF150-1 ¹⁵ / ₁₆ GY	3G	49,225 1-9380	0,013 -0005	90,000 3-5433	30,16 1-188	30,16 1-188	
1 ¹⁵ / ₁₆		4	49,225 1-9380	0,013 -0005	90,000 3-5433	30,16 1-188	30,16 1-188	
50	DNF150-50Y	1	50,000 1-9685	0,013 -0005	90,000 3-5433	30,16 1-188	23,00 -906	
50	DNF155-50Y	1	50,000 1-9685	0,013 -0005	100,000 3-9730	33,34 1-312	25,00 -984	

Please check availability



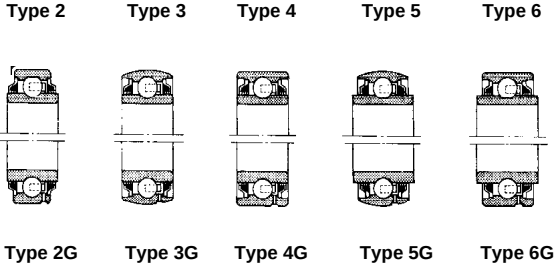
C2	r	ISO load ratings		Rec. max speed	Mass (approx.)	Interchange data		
		dynamic C _r	static C _{0r}			Fafnir	BCA	NDH
mm inches		newtons lbf	newtons lbf	rev/min	kg lb			
-	1,00	29100	17900	650	0,63	W208PPB7	DS208TT7	
-	-039	6540	4020		1-39			
-	1,00	29100	17900	650	0,71	W208PPB4	DS208TT4	
-	-039	6540	4020		1-58			
-	1,00	29100	17900	650	0,64			
-	-039	6540	4020		1-41			
-	1,00	29100	17900	650	0,64			
-	-039	6540	4020		1-41			
-	1,00	29100	17900	650	0,70			
-	-039	6540	4020		1-55			
-	1,00	29100	17900	650	0,68			
-	-039	7310	4020		1-50			
-	1,00	29100	17900	650	0,68	W208PP10	DC208TT10	
-	-039	6540	4020		1-50			
-	1,00	29100	17900	650	0,63			
-	-039	6540	4020		1-39			
-	1,00	29100	17900	650	0,72	W208PPB2	D208TT2A	
-	-039	6540	4020		1-59			
-	1,00	32500	20500	600	0,74	W209PPB4	DS209TT4	AS4509BD
-	-039	7310	4610		1-65			
6,50	1,00	32500	20500	600	0,74	GW209PPB4	DS209TTR4	RAS4509BD
-	-256	-039	7310		1-65			
6,20	1,00	29100	17900	650	0,62			
-244	-039	6540	4020		1-37			
-	1,00	32500	20500	600	0,63			
-	-039	7310	4610		1-39			
-	1,00	32500	20500	600	0,65	W209PPB2	DS209TT2	AS4509BE
-	-039	7310	4610		1-44			
6,50	1,00	32500	20500	600	0,65	GW209PPB2	DS209TTR2	RAS4509BE
-256	-039	7310	4610		1-44			
6,50	1,00	32500	20500	600	0,62	GW209PPB11	DS209TTR10	
-256	-039	7310	4610		1-37			
-	1,00	35000	23200	550	0,79	W210PPB5	DS210TT5	AS4510D
-	-039	7870	5220		1-75			
-	1,00	35000	23200	550	0,64			
-	-039	7870	5220		1-41			
-	1,00	35000	23200	550	0,64			
-	-039	7870	5220		1-41			
-	1,00	35000	23200	550	0,66	W210PPB2	DS210TT2	
-	-039	7870	5220		1-46			
6,70	1,00	35000	23200	550	0,66	GW210PPB2	DS210TTR2	
-264	-039	7870	5220		1-46			
-	1,00	35000	23200	550	0,70	W210PP2	DC210TT2	
-	-039	7870	5220		1-56			
-	1,00	35000	23200	550	0,63			
-	-039	7870	5220		1-39			
-	1,50	43500	29200	500	0,77			
-	-059	9780	6560		1-70			

PDFN AND DNF SERIES
PDF AND DF SERIES

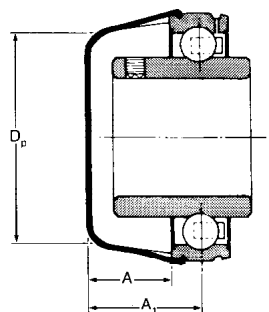


Note: For outer ring outside diameter tolerances see page 22

Shaft diameter	RHP designation		Type	Dimensions				
	spherical outside diameter	parallel outside diameter		bore diameter	outside diameter			
				d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
50	DNF155-50GY		1G	50,000	0,013	100,000	33,34	25,00
				1.9685	-.0005	3.9370	1.312	.984
23/16	DNF155-23/16Y		1	55,578	0,015	100,000	33,34	25,00
				2.1881	-.0006	3.9370	1.312	.984
23/16	PDFN155-23/16Y		3	55,578	0,015	100,000	33,34	33,34
				2.1881	-.0006	3.9370	1.312	1.312
23/16	PDFN155-23/16GY		3G	55,578	0,015	100,000	33,34	33,34
				2.1881	-.0006	3.9370	1.312	1.312
23/16		PDF155-23/16Y	4	55,578	0,015	100,000	33,34	33,34
				2.1881	-.0006	3.9370	1.312	1.312
23/16		PDF155-23/16GY	4G	55,578	0,015	100,000	33,34	33,34
				2.1881	-.0006	3.9370	1.312	1.312



C2	r	ISO load ratings		Rec. max speed	Mass (approx.)	Interchange data		
		dynamic Cr	static Cor			Fafnir	BCA	NDH
mm inches		newtons lbf	newtons lbf	rev/min	kg lb			
7,40	1,50	43500	29200	500	0,77			
.291	.059	9780	6560		1.70			
-	1,50	43500	29200	500	0,91			
-	.059	9780	6560		2.00			
-	1,50	43500	29200	500	0,96	W211PPB2	DS211TT2	
-	.059	9780	6560		2.13			
7,40	1,50	43500	29200	500	0,96	GW211PPB2	DS211TTR2	
.291	.059	9780	6560		2.13			
-	1,50	43500	29200	500	1,05	W211PP2	DS211TT2	AS4511C
-	.059	9780	6560		2.33			
7,40	1,50	43500	29200	500	1,05	GW211PP2	DC211TTR2	RAS4511C
.291	.059	9780	6560		2.33			



The Protector range

RHP designation	Dimensions			Basic bearing insert
	Dp	A	A1	
	mm			
	inches			
20P	37,0	23,0	30,0	1020
	1.457	.906	1.181	
25P	42,5	23,0	30,5	1025
	1.673	.906	1.201	
30P	50,5	26,5	34,5	1030
	1.988	1.043	1.358	
35P	60,5	28,5	37,0	1035
	2.382	1.122	1.457	
40P	67,5	30,5	39,5	1040
	2.657	1.201	1.555	
45P	72,0	30,0	39,5	1045
	2.835	1.181	1.555	
50P	76,0	32,5	42,5	1050
	2.992	1.280	1.673	
55P	85,0	37,5	48,0	1055
	3.346	1.476	1.890	
60P	94,0	40,5	51,5	1060
	3.700	1.594	2.028	

The following table shows the range of units which can be fitted with a Protector and indicates the right Protector to select.

Protectors for Self-Lube units

Bore size	Self-Lube Unit															
	NP	SFT	SNP	LFTC	FC	ST	BT	SLFEP	SLFTP	MFC	SCHB	NP-K	MP			
	NP-A	SFT-A	SNP-A	LFTC-A	FC-A	ST-A	BT-A	SLFEP-A	SLFTP-A		SCH	MP-K	MSF			
	NP-EC	SFT-EC	SNP-EC	LFTC-EC	FC-EC	ST-EC	BT-EC	SLFEP-EC	SLFTP-EC			MSF-K	MSFT			
	NP-DEC	SFT-DEC	SNP-DEC	LFTC-DEC	FC-DEC	ST-DEC		SLFEP-DEC	SLFTP-DEC			MSF-K	MST			
	SL	SLC	CNP	SLFLP								MST-K	MSC			
	SL-A	SLC-A	CNP-A	SLFLP-A												
	SL-EC	SLC-EC	CNP-EC	SLFLP-EC												
	SL-DEC	SLC-DEC	CNP-DEC	SLFLP-DEC												
	SF															
	SF-A															
	SF-EC															
	SF-DEC															
20, 3/4	20P	20P	20P	20P	20P	20P	-	20P	-	-	20P	25P	-			
25, 7/8, 15/16, 1	25P	25P	25P	25P	25P	25P	25P	25P	25P	30P	30P	30P	30P			
30, 1 1/8	30P	30P	30P	30P	30P	30P	-	30P	30P	35P	30P	35P	35P			
13/16	30P	30P	30P	30P	30P	30P	-	30P	30P	35P	35P	35P	35P			
1 1/4	35P	35P	35P	30P	35P	35P	35P	30P	30P	35P	35P	40P	35P			
35, 1 3/8	35P	35P	35P	35P	35P	35P	35P	35P	35P	40P	35P	40P	40P			
1 7/16	35P	35P	35P	35P	35P	35P	35P	35P	35P	40P	40P	45P	40P			
40, 1 1/2	40P	40P	40P	-	40P	40P	-	40P*	-	40P	40P	45P	45P			
45, 1 5/8	45P	45P	45P	-	45P	45P	-	45P*	-	50P	50P	50P	50P			
1 11/16, 1 3/4	45P	45P	45P	-	45P	45P	-	45P*	-	50P	50P	50P	50P			
50, 1 7/8, 1 15/16	50P	50P	-	-	50P	50P	-	50P*	-	55P	50P	55P	55P			
2	55P	55P	-	-	50P	55P	-	55P*	-	55P	50P	55P	55P			
55, 2 1/8, 2 3/16	55P	55P	-	-	55P	55P	-	55P*	-	60P	60P	-	60P			
2 1/4	60P	60P	-	-	60P	60P	-	60P*	-	60P	60P	-	60P			
60, 2 3/8, 2 7/16	60P	60P	-	-	60P	60P	-	60P*	-	-	60P	-	-			

*Please check availability of units.

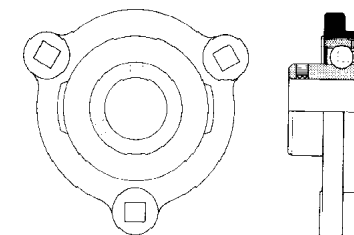
Note 1 The appropriate Protector is determined by the basic bearing insert group.

2 When a pressing from the series SLFL, SLFE or SLFT is fitted with a Protector, the unit reference includes the letter 'P', e.g. SLFEP-25EC.

LF series

A range of three bolt spheroidal graphite iron housed units, available in bore sizes 25mm to 35mm and 1" to 1 7/16".

These are non-re-greaseable.



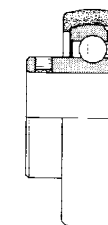
LF series

AR-A series, AR-EC series

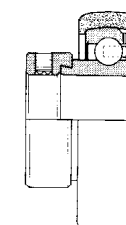
The AR series is the bearing and rubber cartridge used in the LPBR unit (Pages 78 and 79).

Available as a series for users who have their own housing.

Bore sizes 12mm to 30mm and 1/2" to 1 1/4".



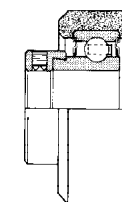
AR-A series



AR-EC series

SRM-EC series

Rubber housed units fitted with the 1120 or 1125 type inserts. Available in bore sizes 20mm, 3/4", 25mm, 7/8" and 1" with eccentric collar or set screw lock.



SRM-EC series

SRC-EC series

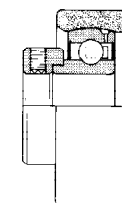
Rubber housed units suitable for the air conditioning market, two housings each with an outside diameter of 64,5mm and in bore sizes 20mm to 25mm and 3/4" to 1" are available.

Special SRC types

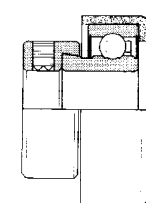
Bore sizes 20mm and 3/4".

Offered with eccentric collar lock.

(SRC11004 and SRC11005 respectively.)



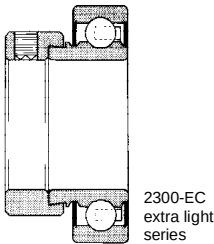
SRC-EC series



Special SRC types

Please check availability.

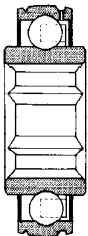
2300-EC extra light series
The 2300-EC series is an extra light bearing available in bore sizes 20mm to 30mm and 3/4" to 1 3/16".



1600-G series, 1600-HG series
A range of spherical outside diameter deep groove wide inner ring ball bearings with either round or hexagonal bores. These are re-greaseable and available in round bore sizes 20mm to 75mm and 3/4" to 2 15/16" and hexagonal bore sizes 7/8" AF to 1 1/2" AF and 22mm AF to 38mm AF. The standard Self-Lube cage and seals are fitted.

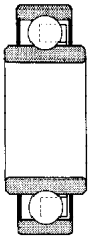


1600-G series

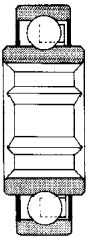


1600-HG series

1700 series, 1700-H series
As 1600-G, 1600-HG but with parallel outside diameters, although this range is not re-greaseable.



1700 series



1700-H series

Conversion factors for British and S.I. Units

Quantity	Conversions
Mass	1 lb = 0.4536 kg 1 kg = 2.205 lb
Force	1 lbf = 4.448 N 1 N = 0.2248 lbf
Torque	1 lbf ft = 1.3558 Nm 1 lbf in = 0.1130 Nm 1 Nm = 0.7376 lbf ft 1 Nm = 8.850 lbf in

Temperature conversion table

°C	°C or °F	°F	°C	°C or °F	°F	°C	°C or °F	°F	°C	°C or °F	°F	°C	°C or °F	°F	°C	°C or °F	°F	°C	°C or °F	°F
-110 to 210																				
-79	-110	-166	-46	-50	-58	-17.2	1	33.8	-13.9	7	44.6	4.4	40	104	37.7	100	212	71	160	320
-73	-100	-148	-40	-40	-40	-16.6	2	35.6	-13.3	8	46.4	9.9	50	122	43	110	230	76	170	338
-68	-90	-130	-34	-30	-22	-16.1	3	37.4	-12.7	9	48.2	15.6	60	140	49	120	248	83	180	356
-62	-80	-112	-29	-20	-4	-15.5	4	39.2	-12.2	10	50.0	21.0	70	158	54	130	266	88	190	374
-57	-70	-94	-23	-10	14	-15.0	5	41.0	-6.6	20	68.0	26.8	80	176	60	140	284	93	200	392
-55	-60	-76	-17.7	0	32	-14.4	6	42.8	-1.1	30	86.0	32.1	90	194	65	150	302	99	210	410
220 to 630																				
104	220	428	138	280	536	171	340	644	204	400	752	238	460	860	271	520	968	304	580	1076
110	230	446	143	290	554	177	350	662	210	410	770	243	470	878	276	530	986	310	590	1094
115	240	464	149	300	572	182	360	680	215	420	788	249	480	896	282	540	1004	315	600	1112
121	250	482	154	310	590	188	370	698	221	430	806	254	490	914	288	550	1022	321	610	1130
127	260	500	160	320	608	193	380	716	226	440	824	260	500	932	293	560	1040	326	620	1148
132	270	518	165	330	626	199	390	734	232	450	842	265	510	950	299	570	1058	332	630	1166
640 to 1000																				
338	640	1184	371	700	1292	404	760	1400	432	810	1490	460	860	1580	487	910	1670	515	960	1760
343	650	1202	376	710	1310	410	770	1418	438	820	1508	465	870	1598	493	920	1688	520	970	1778
349	660	1220	382	720	1328	415	780	1436	443	830	1526	471	880	1616	498	930	1706	526	980	1796
354	670	1238	387	730	1346	421	790	1454	449	840	1544	476	890	1634	504	940	1724	532	990	1814
360	680	1256	393	740	1364	426	800	1472	454	850	1562	482	900	1652	510	950	1742	538	1000	1832
365	690	1274	399	750	1382															

Explanatory Note
The bold type numbers indicate the degrees of temperature, Fahrenheit or Centigrade, whichever is required to be converted. To convert Fahrenheit to Centigrade the equivalent temperature is given on the left of the bold type. To convert Centigrade to Fahrenheit the equivalent temperature is given on the right of the bold type.

Metric/inch conversions

mm	0	10	20	30	40	50	60	70	80	90
0	inches	0.39370	0.78740	1.18110	1.57480	1.96850	2.36220	2.75590	3.14961	3.54331
1	0.03937	0.43307	0.82677	1.22047	1.61417	2.00787	2.40157	2.79528	3.18898	3.58268
2	0.07874	0.47244	0.86614	1.25984	1.65354	2.04724	2.44094	2.83464	3.22835	3.62205
3	0.11811	0.51181	0.90551	1.29921	1.69291	2.08661	2.48031	2.87402	3.26772	3.66142
4	0.15748	0.55118	0.94488	1.33858	1.73228	2.12598	2.51968	2.91338	3.30709	3.70079
5	0.19685	0.59055	0.98425	1.37795	1.77165	2.16535	2.55906	2.95276	3.34646	3.74016
6	0.23622	0.62992	1.02362	1.41732	1.81102	2.20472	2.59842	2.99212	3.38583	3.77953
7	0.27559	0.66929	1.06299	1.45669	1.85039	2.24409	2.63780	3.03150	3.42520	3.81890
8	0.31496	0.70866	1.10236	1.49606	1.88976	2.28346	2.67716	3.07087	3.46457	3.85827
9	0.35433	0.74803	1.14173	1.53543	1.92913	2.32283	2.71654	3.11024	3.50394	3.89764

mm	0	100	200	300	400	500	600	700	800	900
0	inches	3.93701	7.87402	11.8110	15.7480	19.6850	23.6220	27.5590	31.4961	34.4331
5	0.19685	4.13386	8.07087	12.0079	15.9449	19.8819	23.8189	27.7559	31.6929	35.6299
10	0.39370	4.33071	8.26772	12.2047	16.1417	20.0787	24.0157	27.9528	31.8898	35.8268
15	0.59055	4.52756	8.46457	12.4016	16.3386	20.2756	24.2126	28.1496	32.0866	36.0236
20	0.78740	4.72441	8.66142	12.5984	16.5354	20.4724	24.4094	28.3464	32.2835	36.2205
25	0.98425	4.92126	8.85827	12.7953	16.7323	20.6693	24.6063	28.5433	32.4803	36.4173
30	1.18110	5.11811	9.05512	12.9921	16.9291	20.8661	24.8031	28.7402	32.6772	36.6142
35	1.37795	5.31496	9.25197	13.1890	17.1260	21.0630	25.0000	28.9370	32.8740	36.8110
40	1.57480	5.51181	9.44882	13.3858	17.3228	21.2598	25.1968	29.1338	33.0709	37.0079
45	1.77165	5.70866	9.64567	13.5827	17.5197	21.4567	25.3937	29.3307	33.2677	37.2047
50	1.96850	5.90551	9.84252	13.7795	17.7165	21.6535	25.5906	29.5276	33.4646	37.4016
55	2.16535	6.10236	10.0394	13.9764	17.9134	21.8504	25.7874	29.7244	33.6614	37.5984
60	2.36220	6.29921	10.2362	14.1732	18.1102	22.0472	25.9842	29.9212	33.8583	37.7953
65	2.55906	6.49606	10.4331	14.3701	18.3071	22.2441	26.1811	30.1181	34.0551	37.9921
70	2.75590	6.69291	10.6299	14.5669	18.5039	22.4409	26.3780	30.3150	34.2520	38.1890
75	2.95276	6.88976	10.8268	14.7638	18.7008	22.6378	26.5748	30.5118	34.4488	38.3858
80	3.14961	7.08661	11.0236	14.9606	18.8976	22.8346	26.7716	30.7087	34.6457	38.5827
85	3.34646	7.28346	11.2205	15.1575	19.0945	23.0315	26.9685	30.9055	34.8425	38.7795
90	3.54331	7.48031	11.4173	15.3543	19.2913	23.2283	27.1654	31.1024	35.0394	38.9764
95	3.74016	7.67716	11.6142	14.5512	19.4882	23.4252	27.3622	31.2992	35.2362	39.1732

mm	inches	mm	inches	mm	inches
0,001	0.000039	0,01	0.00039	0,1	0.00394
0,002	0.000079	0,02	0.00079	0,2	0.00787
0,003	0.000118	0,03	0.00118	0,3	0.01181
0,004	0.000157	0,04	0.00157	0,4	0.01575
0,005	0.000197	0,05	0.00197	0,5	0.01968
0,006	0.000236	0,06	0.00236	0,6	0.02362
0,007	0.000276	0,07	0.00276	0,7	0.02756
0,008	0.000315	0,08	0.00315	0,8	0.03150
0,009	0.000354	0,09	0.00354	0,9	0.03543

1 METRE = 39.37 INCHES

Inch/metric conversions

inches		mm		inches		mm		inches		mm	
1/32	1/64	0.015625	0.3969	3/8	11/32	0.34375	8.7312	11/16	43/64	0.671875	17.0656
		0.03125	0.7938		23/64	0.359375	9.1281			0.6875	17.4625
	3/64	0.046875	1.1906			0.375	9.5250		45/64	0.703125	17.8594
1/16		0.0625	1.5875		25/64	0.390625	9.9219	3/4	23/32	0.71875	18.2562
	5/64	0.078125	1.9844	7/16	13/32	0.40625	10.3188		47/64	0.734375	18.6531
		0.09375	2.3812		27/64	0.421875	10.7156			0.75	19.0500
7/64	0.109375	2.7781			0.4375	11.1125	49/64	0.765625	19.4469		
1/8		0.125	3.1750		29/64	0.453125	11.5094	13/16	25/32	0.78125	19.8438
	9/64	0.140625	3.5719	1/2	15/32	0.46875	11.9062		51/64	0.796875	20.2406
		0.15625	3.9688		31/64	0.484375	12.3031			0.8125	20.6375
3/16	11/64	0.171875	4.3656				0.5	12.7000	53/64	0.828125	21.0344
		0.1875	4.7625	33/64	0.515625	13.0969	7/8	27/32	0.84375	21.4312	
	13/64	0.203125	5.1594	9/16	17/32	0.53125		13.4938	55/64	0.859375	21.8281
	0.21875	5.5562	35/64		0.546875	13.8906			0.875	22.2250	
15/64	0.234375	5.9531			0.5625	14.2875	57/64	0.890625	22.6219		
1/4		0.25	6.3500		37/64	0.578125	14.6844	15/16	29/32	0.90625	23.0188
	17/64	0.265625	6.7469	5/8	19/32	0.59375	15.0812		59/64	0.921875	23.4156
		0.28125	7.1438		39/64	0.609375	15.4781			0.9375	23.8125
5/16	19/64	0.296875	7.5406			0.625	15.8750	61/64	0.953125	24.2094	
		0.3125	7.9375	3/2	41/64	0.640625	16.2719	31/32	0.96875	24.6062	
	21/64	0.328125	8.3344			0.65625	16.6688	63/64	0.984375	25.0031	

inches	0	1	2	3	4	5	6	7	8	9	10
0	mm	25.4000	50.8000	76.2000	101.600	127.000	152.400	177.800	203.200	228.600	254.000
	1/16	1.5875	26.9875	52.3875	77.7875	103.188	128.588	153.988	179.388	204.788	230.188
	3/16	3.1750	28.5750	53.9750	79.3750	104.775	130.175	155.575	180.975	206.375	231.775
1/4		4.7625	30.1625	55.5625	80.9625	106.362	131.762	157.162	182.562	207.962	233.362
	5/16	6.3500	31.7500	57.1500	82.5500	107.950	133.350	158.750	184.150	209.550	234.950
	3/8	7.9375	33.3375	58.7375	84.1375	109.538	134.938	160.338	185.738	211.138	236.538
1/2	7/16	9.5250	34.9250	60.3250	85.7250	111.125	136.525	161.925	187.325	212.725	238.125
		11.1125	36.5125	61.9125	87.3125	112.712	138.112	163.512	188.912	214.312	239.712
	9/16	12.7000	38.1000	63.5000	88.9000	114.300	139.700	165.100	190.500	215.900	241.300
3/4	5/8	14.2875	39.6875	65.0875	90.4875	115.888	141.288	166.688	192.088	217.488	242.888
		15.8750	41.2750	66.6750	92.0750	117.475	142.875	168.275	193.675	219.075	244.475
	11/16	17.4625	42.8625	68.2625	93.6625	119.062	144.462	169.862	195.262	220.662	246.062
7/8		19.0500	44.4500	69.8500	95.2500	120.650	146.050	171.450	196.850	222.250	247.650
	13/16	20.6375	46.0375	71.4375	96.8375	122.238	147.638	173.038	198.438	223.838	249.238
	15/16	22.2250	47.6250	73.0250	98.4250	123.825	149.225	174.625	200.025	224.825	250.825
		23.8125	49.2125	74.6125	100.012	125.412	150.812	176.212	201.612	226.412	252.412

inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
0.001	0.0254	0.007	0.1778	0.04	1.016	0.1	2.54	0.7	17.78
0.002	0.0508	0.008	0.2032	0.05	1.270	0.2	5.08	0.8	20.32
0.003	0.0762	0.009	0.2286	0.06	1.524	0.3	7.62	0.9	22.86
0.004	0.1016	0.01	0.254	0.07	1.778	0.4	10.16		
0.005	0.1270	0.02	0.508	0.08	2.032	0.5	12.70		
0.006	0.1524	0.03	0.762	0.09	2.286	0.6	15.24		

1 INCH = 25.4 MILLIMETRES

[illegible]

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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Notes

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RHP *bearings*

Silver-Lube®

Corrosion resistant bearing units



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WITHSTANDS FREQUENT WASHDOWNS RESISTING

- Corrosion
- Detergents
- Chemicals



STAINLESS STEEL

- Grease nipple
- Bolt hole liners
- Set screws
- Flinger
- Seal core
- Bearing rings, cage and balls



THERMOPLASTIC MOULDED HOUSING

- No coating
- No cracking
- No peeling
- Solid base

RHP SILVER-LUBE®

- **CORROSION RESISTANT UNITS**
- **STAINLESS STEEL BEARING INSERTS**
- **EFFECTIVE, EFFICIENT SEALING**
- **APPROVED FOOD GRADE GREASE**
- **WIDE OPERATING TEMPERATURE**
- **END COVERS AVAILABLE**

INTRODUCTION

The RHP Silver-Lube® series is a range of corrosion resistant bearing units specifically for use in industries where frequent thorough washdowns are necessary, optimum hygiene standards are required and good chemical resistance is important over a wide temperature range.

The units are available in pillow block, two-bolt flange, four-bolt flange and take-up unit configurations and are capable of accommodating initial misalignment from mounting errors. In operation the units

have proven reliability in the most hostile applications.

Relubrication is possible for long trouble-free life, minimising maintenance, maximising productivity and helping maintain hygiene standards.

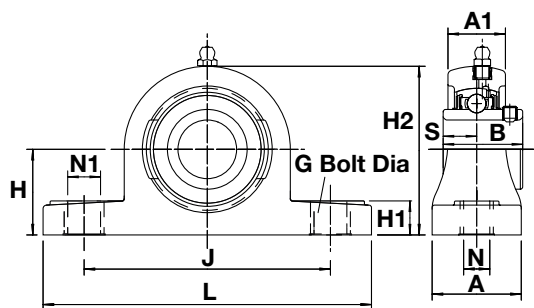
Silver-Lube® housings are made from PBT thermoplastic resin which, in addition to being non-corrodable, is resistant to detergents and a wide range of chemicals. The housings are paint and coating free which prevents chipping or flaking and have smooth surfaces to assist thorough washdowns.

Silver-Lube® bearing inserts are made from stainless steel, are provided with effective, efficient sealing arrangements and are charged with an aluminium complex, high temperature approved food grade grease, as standard.

Full technical specifications, application details and descriptions of the Silver-Lube® range are provided within this document.



FROM BOTTLING PLANTS TO FISHERIES



PNP SERIES

UNIT DIMENSIONS

Silver-Lube® mounting details are dimensionally interchangeable with the traditional RHP Self-Lube® range. However, some non-critical dimensions do differ, see tables below.

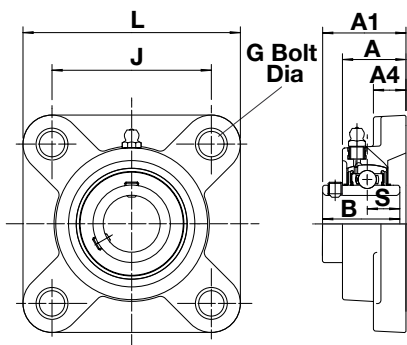
For permissible bearing speeds, please see page 14.

Table 1

PNP Silver-Lube® Pillow Blocks – Unit Dimensions

RHP DESIGNATION	SHAFT DIA.	BASIC INSERT	HOUSING GROUP	L	H	H1	H2	J	N	N1	G	A	A1	B	S	WEIGHT (kg)
PNP20CR	20	J1020	2	127.2	33.3	14.2	65.9	94.9	11.0	14.2	M10	37.8	22.5	31.0	12.7	0.27
PNP3/4CR	3/4"	J1020	2	127.2	33.3	14.2	65.9	94.9	11.0	14.2	M10	37.8	22.5	31.0	12.7	0.27
PNP25CR	25	J1025	3	140.2	36.5	14.5	71.9	104.9	11.0	14.2	M10	37.8	24.5	34.0	14.3	0.39
PNP1CR	1"	J1025	3	140.2	36.5	14.5	71.9	104.9	11.0	14.2	M10	37.8	24.5	34.0	14.3	0.39
PNP30CR	30	J1030	4	162.2	42.9	17.8	83.9	118.9	14.0	18.2	M12	45.8	27.0	38.1	15.9	0.52
PNP1.3/16CR	1.3/16"	J1030	4	162.2	42.9	17.8	83.9	118.9	14.0	18.2	M12	45.8	27.0	38.1	15.9	0.52
PNP1.1/4RCR	1.1/4"	J1030	4	162.2	42.9	17.8	83.9	118.9	14.0	18.2	M12	45.8	27.0	38.1	15.9	0.52
PNP35CR	35	J1035	5	167.2	47.6	18.0	94.9	126.9	14.0	18.2	M12	47.8	32.5	42.9	17.5	0.72
PNP1.1/4CR	1.1/4"	J1035	5	167.2	47.6	18.0	94.9	126.9	14.0	18.2	M12	47.8	32.5	42.9	17.5	0.72
PNP1.7/16CR	1.7/16"	J1035	5	167.2	47.6	18.0	94.9	126.9	14.0	18.2	M12	47.8	32.5	42.9	17.5	0.72
PNP40CR	40	J1040	6	184.2	49.2	19.5	98.9	136.8	14.0	18.2	M12	53.8	36.0	49.2	19.0	0.99
PNP1.1/2CR	1.1/2"	J1040	6	184.2	49.2	19.5	98.9	136.8	14.0	18.2	M12	53.8	36.0	49.2	19.0	0.99

All dimensions in mm except inch shaft sizes.



PSF SERIES

Table 2 PSF Silver-Lube® Four-Bolt Flange – Unit Dimensions

RHP DESIGNATION	SHAFT DIA.	BASIC INSERT	HOUSING GROUP	L	J	G	A	A1	A4	B	S	WEIGHT (kg)
PSF20CR	20	J1020	2	86.5	63.5	M10	27.8	36.3	13.4	31.0	12.7	0.28
PSF3/4CR	3/4"	J1020	2	86.5	63.5	M10	27.8	36.3	13.4	31.0	12.7	0.28
PSF25CR	25	J1025	3	95.0	70.0	M10	27.9	36.7	14.3	34.0	14.3	0.34
PSF1CR	1"	J1025	3	95.0	70.0	M10	27.9	36.7	14.3	34.0	14.3	0.34
PSF30CR	30	J1030	4	107.5	83.0	M10	31.5	41.4	14.3	38.1	15.9	0.50
PSF1.3/16CR	1.3/16"	J1030	4	107.5	83.0	M10	31.5	41.4	14.3	38.1	15.9	0.50
PSF1.1/4RCR	1.1/4"	J1030	4	107.5	83.0	M10	31.5	41.4	14.3	38.1	15.9	0.50
PSF35CR	35	J1035	5	117.5	92.0	M12	34.8	46.9	15.5	42.9	17.5	0.74
PSF1.1/4CR	1.1/4"	J1035	5	117.5	92.0	M12	34.8	46.9	15.5	42.9	17.5	0.74
PSF1.7/16CR	1.7/16"	J1035	5	117.5	92.0	M12	34.8	46.9	15.5	42.9	17.5	0.74
PSF40CR	40	J1040	6	130.5	102.0	M12	37.5	53.2	17.1	49.2	19.0	0.98
PSF1.1/2CR	1.1/2"	J1040	6	130.5	102.0	M12	37.5	53.2	17.1	49.2	19.0	0.98

All dimensions in mm except inch shaft sizes.

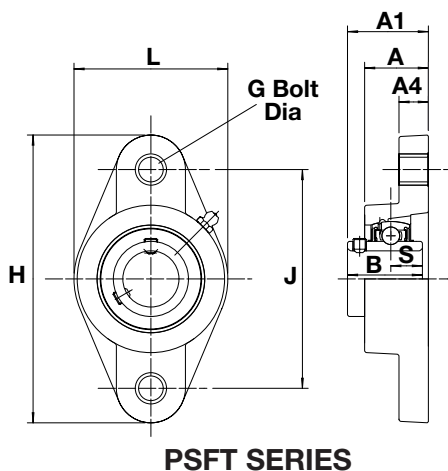


Table 3 PSFT Silver-Lube® Two-Bolt Flange – Unit Dimensions

RHP DESIGNATION	SHAFT DIA.	BASIC INSERT	HOUSING GROUP	L	H	J	G	A	A1	A4	B	S	WEIGHT (kg)
PSFT20CR	20	J1020	2	64.1	113.3	90.0	M10	26.5	33.7	11.4	31.0	12.7	0.24
PSFT3/4CR	3/4"	J1020	2	64.1	113.3	90.0	M10	26.5	33.7	11.4	31.0	12.7	0.24
PSFT25CR	25	J1025	3	68.4	130.3	99.0	M10	29.1	36.7	13.4	34.0	14.3	0.30
PSFT1CR	1"	J1025	3	68.4	130.3	99.0	M10	29.1	36.7	13.4	34.0	14.3	0.30
PSFT30CR	30	J1030	4	80.1	148.3	117.0	M10	30.5	41.2	13.4	38.1	15.9	0.44
PSFT1.3/16CR	1.3/16"	J1030	4	80.1	148.3	117.0	M10	30.5	41.2	13.4	38.1	15.9	0.44
PSFT1.1/4RCR	1.1/4"	J1030	4	80.1	148.3	117.0	M10	30.5	41.2	13.4	38.1	15.9	0.44
PSFT35CR	35	J1035	5	90.1	163.3	130.0	M12	32.8	43.4	16.1	42.9	17.5	0.64
PSFT1.1/4CR	1.1/4"	J1035	5	90.1	163.3	130.0	M12	32.8	43.4	16.1	42.9	17.5	0.64
PSFT1.7/16CR	1.7/16"	J1035	5	90.1	163.3	130.0	M12	32.8	43.4	16.1	42.9	17.5	0.64
PSFT40CR	40	J1040	6	100.1	175.3	144.0	M12	37.5	51.7	20.0	49.2	19.0	0.89
PSFT1.1/2CR	1.1/2"	J1040	6	100.1	175.3	144.0	M12	37.5	51.7	20.0	49.2	19.0	0.89

All dimensions in mm except inch shaft sizes.

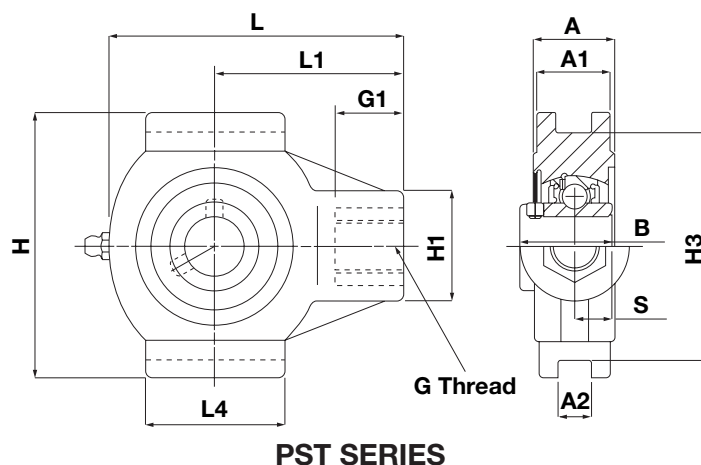


Table 4

PST Silver-Lube® Take-Up Units – Unit Dimensions

RHP DESIGNATION	SHAFT DIA.	BASIC INSERT	HOUSING GROUP	L	L1	L4	H	H1	H3	G	G1	A	A1	A2	B	S	WEIGHT (kg)
PST20CR	20	J1020	2	99.0	64.0	47.0	88.0	35.0	75.8	M16x2.00	22.5	27.5	24.5	12.2	31.0	12.7	0.32
PST3/4CR	3/4"	J1020	2	99.0	64.0	47.0	88.0	35.0	75.8	M16x2.00	22.5	27.5	24.5	12.2	31.0	12.7	0.32
PST25CR	25	J1025	3	99.0	64.0	47.0	88.0	35.0	75.8	M16x2.00	22.5	27.5	24.5	12.2	34.0	14.3	0.36
PST1CR	1"	J1025	3	99.0	64.0	47.0	88.0	35.0	75.8	M16x2.00	22.5	27.5	24.5	12.2	34.0	14.3	0.36
PST30CR	30	J1030	4	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	38.1	15.9	0.53
PST1.3/16CR	1.3/16"	J1030	4	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	38.1	15.9	0.53
PST1.1/4RCR	1.1/4"	J1030	4	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	38.1	15.9	0.53
PST35CR	35	J1035	5	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	42.9	17.5	0.74
PST1.1/4CR	1.1/4"	J1035	5	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	42.9	17.5	0.74
PST1.7/16CR	1.7/16"	J1035	5	125.0	76.0	63.0	102.0	40.0	88.8	M16x2.00	22.5	34.5	30.0	12.2	42.9	17.5	0.74
PST40CR	40	J1040	6	140.0	85.0	80.0	114.0	40.0	101.8	M16x2.00	22.5	34.0	32.0	16.2	49.2	19.0	1.00
PST1.1/2CR	1.1/2"	J1040	6	140.0	85.0	80.0	114.0	40.0	101.8	M16x2.00	22.5	34.0	32.0	16.2	49.2	19.0	1.00

All dimensions in mm except inch shaft sizes.

END COVERS

Polypropylene end covers are available to fit all Silver-Lube® housings. End covers can be used at temperatures ranging from -20°C to +90°C. They may be used as additional protection for the bearing in adverse environmental conditions as well as an aid to meeting safety requirements.

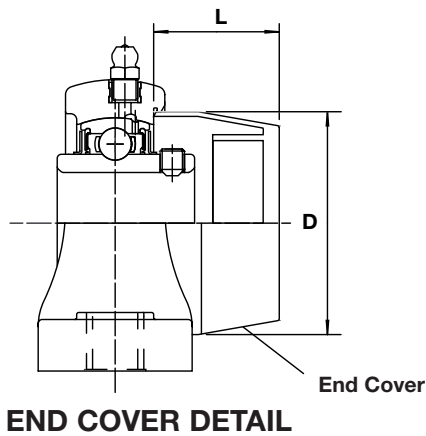


Table 5 **End Cover Dimensions**

HOUSING GROUP	END COVER REFERENCE	DIMENSION D	DIMENSION L
Group 2	P20P	50	23
Group 3	P25P	55	25
Group 4	P30P	64	30
Group 5	P35P	74	32
Group 6	P40P	84	37

All dimensions in mm.





SILVER-LUBE® HOUSINGS

Silver-Lube® housings are manufactured from highgrade PBT, a high quality thermoplastic which has excellent strength, rigidity, dimensional stability and chemical resistance.

PROPERTIES OF PBT

PROPERTY	UNITS	TEST METHOD	VALUES
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PHYSICAL

Density	g/cm ³	DIN 53479	1.53
Water Absorption(23°C)	%	DIN 53495	0.5
Mould Shrinkage	%	—	0.4
Moisture Absorption (23°)	%	DIN 53714	0.2

MECHANICAL

Tensile Yield Strength	MPa	ASTM D638	130
Elongation At Break	%	ASTM D638	3.5
Flexural Strength	MPa	ASTM D790	180
Flexural Modulus	MPa	ASTM D790	7,000
Notched IZOD Impact	J/m	ASTM D256	120

THERMAL

HDT At Load 1.8 Mpa	°C	DIN 53461	210
HDT AT Load 0.45 Mpa	°C	DIN 53461	220
Melting Point	°C	—	225
UL Flammability ("Thickness)	—	UL 94	HB
Max. Temp' In Glow Wire Test	°C	IEC 695/2/1	
2 mm thickness			750
4 mm thickness			960

ELECTRICAL

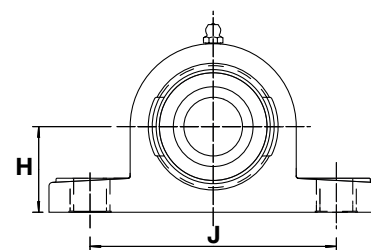
Dielectric Constant At 1 MHz	—	IEC 250	3.8
Dielectric Strength	kV/mm	VDE 0303/2	34
Volume Resistivity	ohm x cm	VDE 0303/2	>10 ¹⁵
Surface Resistivity	ohm	VDE 0303/3	>10 ¹⁵

PLASTIC HOUSING DIMENSIONAL ACCURACY

Table 6 PNP Silver-Lube® Pillow Blocks – Dimensional Accuracy

HOUSING GROUP	DEVIATIONS H	DEVIATIONS J
2	±150	±700
3	±150	±700
4	±150	±700
5	±150	±700
6	±150	±700

All dimensions in µm.

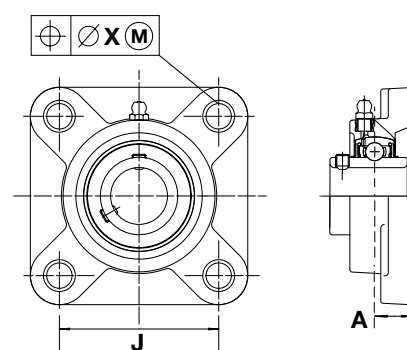


PNP SERIES

Table 7 PSF Silver-Lube® Four-Bolt Flange – Dimensional Accuracy

HOUSING GROUP	CENTRE HEIGHT A	HOLE CENTRES J	FIXING HOLE LOCATION X
2	±500	±700	200
3	±500	±700	200
4	±500	±700	200
5	±500	±700	200
6	±500	±700	200

All dimensions in µm.

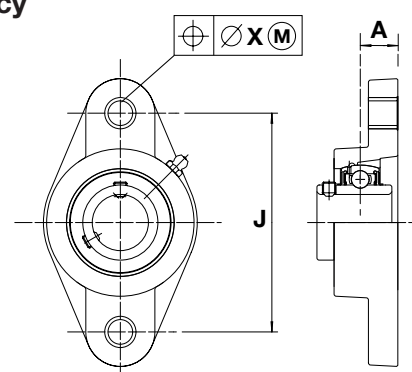


PSF SERIES

Table 8 PSFT Silver-Lube® Two-Bolt Flange – Dimensional Accuracy

HOUSING GROUP	CENTRE HEIGHT A	HOLE CENTRES J	FIXING HOLE LOCATION X
2	±500	±700	200
3	±500	±700	200
4	±500	±700	200
5	±500	±700	200
6	±500	±700	200

All dimensions in µm.

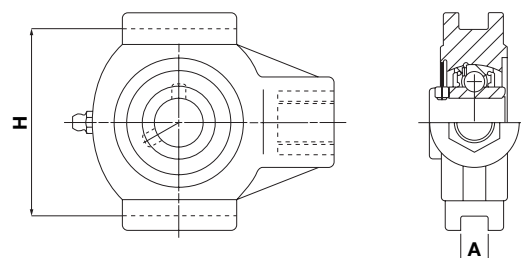


PSFT SERIES

Table 9 PST Silver-Lube® Take-Up Housings – Dimensional Accuracy

HOUSING GROUP	DEVIATIONS A	DEVIATIONS H
2	+200/0	0/-500
3	+200/0	0/-500
4	+200/0	0/-500
5	+200/0	0/-500
6	+200/0	0/-500

All dimensions in µm.



PST SERIES



HOUSING STRENGTH

Housing load carrying capacity varies depending on the application loading regime, which may be intermittent, continuous or cyclical. Maximum housing loads are given in tables 10, 11, 12 and 13. These loads must not be exceeded without prior consultation with NSK.

Published housing maximum load capacities do not allow for any reduction in housing strength caused by exposure of the housing to chemicals, water, steam, heat, ultraviolet light or any combination of these factors. If any of these factors are present in the application the designer or end-user must establish the effect of these exposures and reduce the published maximum housing load accordingly.

To maximise load carrying capacity it is recommended that washers are used with the fixing bolts. Tables 10, 11 and 12 also detail maximum fixing bolt tightening torques.

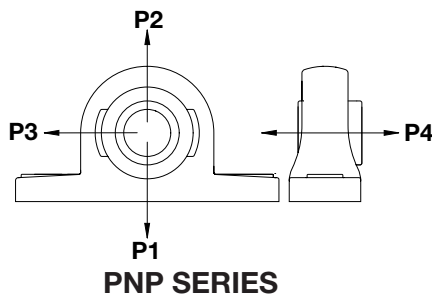


Table 10

PNP Silver-Lube® Pillow Blocks – Housing Load Capacity

RHP DESIGNATION	MAXIMUM HOUSING LOAD (N) AT 20°C												MAXIMUM FIXING BOLT TORQUE (Nm)
	P1			P2			P3			P4			
	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	
PNP20CR	3500	1700	800	2800	1400	800	2600	1300	700	1300	700	400	18
PNP3/4CR	3500	1700	800	2800	1400	800	2600	1300	700	1300	700	400	18
PNP25CR	4000	2000	1000	3100	1500	800	2600	1300	700	1700	900	500	25
PNP1CR	4000	2000	1000	3100	1500	800	2600	1300	700	1700	900	500	25
PNP30CR	5000	2500	1200	3500	1800	1000	4000	2000	1100	2600	1300	700	30
PNP1.3/16CR	5000	2500	1200	3500	1800	1000	4000	2000	1100	2600	1300	700	30
PNP1.1/4RCR	5000	2500	1200	3500	1800	1000	4000	2000	1100	2600	1300	700	30
PNP35CR	6000	3000	1500	4300	2100	1200	4100	2100	1100	3200	1600	900	35
PNP1.1/4CR	6000	3000	1500	4300	2100	1200	4100	2100	1100	3200	1600	900	35
PNP1.7/16CR	6000	3000	1500	4300	2100	1200	4100	2100	1100	3200	1600	900	35
PNP40CR	10700	5300	2900	8000	4000	2200	6800	3400	1900	5200	2600	1400	40
PNP1.1/2CR	10700	5300	2900	8000	4000	2200	6800	3400	1900	5200	2600	1400	40

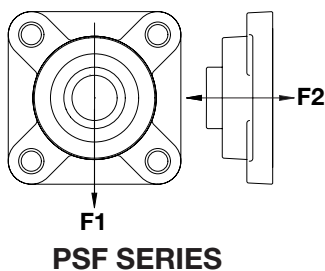
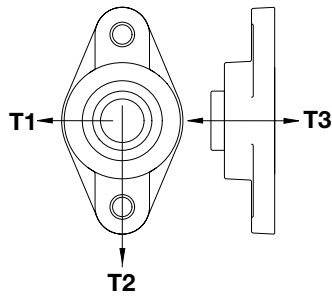


Table 11 PSF Four-Bolt Flange – Housing Load Capacity

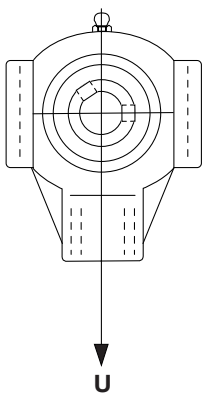
RHP DESIGNATION	MAXIMUM HOUSING LOAD (N) AT 20°C						MAXIMUM FIXING BOLT TORQUE (Nm)
	F1			F2			
	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	
PSF20CR	3100	1600	900	1300	700	400	18
PSF3/4CR	3100	1600	900	1300	700	400	18
PSF25CR	3500	1700	1000	1300	700	400	25
PSF1CR	3500	1700	1000	1300	700	400	25
PSF30CR	4600	2300	1300	2200	1100	600	30
PSF1.3/16CR	4600	2300	1300	2200	1100	600	30
PSF1.1/4RCR	4600	2300	1300	2200	1100	600	30
PSF35CR	6200	3100	1700	2600	1300	700	35
PSF1.1/4CR	6200	3100	1700	2600	1300	700	35
PSF1.7/16CR	6200	3100	1700	2600	1300	700	35
PSF40CR	6200	3100	1700	4000	2000	1100	40
PSF1.1/2CR	6200	3100	1700	4000	2000	1100	40



PSFT SERIES

Table 12 PSFT Silver-Lube® Two-Bolt Flange – Housing Load Capacity

RHP DESIGNATION	MAXIMUM HOUSING LOAD (N) AT 20°C									MAXIMUM FIXING BOLT TORQUE (Nm)
	T1			T2			T3			
	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	INTERMITTENT LOADING	CONTINUOUS LOADING	CYCLICAL LOADING	
PSFT20CR	4400	2200	1200	1900	900	500	1300	700	400	18
PSFT3/4CR	4400	2200	1200	1900	900	500	1300	700	400	18
PSFT25CR	4400	2200	1200	3000	1500	800	1400	700	400	25
PSFT1CR	4400	2200	1200	3000	1500	800	1400	700	400	25
PSFT30CR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT1.3/16CR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT1.1/4RCR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT35CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT1.1/4CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT1.7/16CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT40CR	9000	4500	2500	3900	2000	1100	3300	1600	900	40
PSFT1.1/2CR	9000	4500	2500	3900	2000	1100	3300	1600	900	40



PST SECTION

Table 13 PST Silver-Lube® Take-Up – Housing Load Capacity

RHP DESIGNATION	MAXIMUM HOUSING LOAD (N) AT 20°C		Cyclical Loading	MRFL (kN)
	Intermittent Loading	Continuous Loading		
PST20CR	5700	2800	1600	17.01
PST3/4CR	5700	2800	1600	17.01
PST25CR	5400	2700	1500	16.25
PST1CR	5400	2700	1500	16.25
PST30CR	8100	4000	2300	24.32
PST1.3/16CR	8100	4000	2300	24.32
PST1.1/4RCR	8100	4000	2300	24.32
PST35CR	7800	3900	2200	23.52
PST1.1/4CR	7800	3900	2200	23.52
PST1.7/16CR	7800	3900	2200	23.52
PST40CR	8100	4000	2300	24.26
PST1.1/2CR	8100	4000	2300	24.26

Note that there is no Maximum Fixing Bolt Torque applicable for Take-Up Units.

STATIC ELECTRICITY GENERATION

Static electricity may be generated by Silver-Lube® bearing units under certain application conditions.

Silver-Lube® bearings are therefore not recommended for use in explosive or flammable environments. If Silver-Lube® bearing units are used in flammable or explosive applications the bearing insert must be earthed.



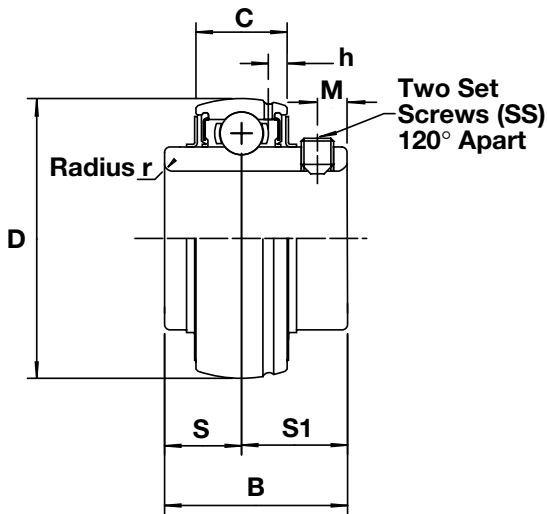
FROM FOOD TO PHARMACEUTICALS

SILVER-LUBE® BEARING INSERTS

The grease in this product is an aluminium complex food grade grease. In the event of relubricating being necessary, this type of grease is the first choice replacement. Please note that Silver-Lube® bearings were previously charged with Chevron Poly FM2 grease, which is incompatible with the current aluminium complex food grade grease.

Original Chevron greased inserts can be identified by there being only three markings on the flinger, for example: 'RHP JAPAN J1025-25GCR'. Inserts charged with an aluminium complex food grade grease can be identified by the presence of an additional letter between RHP and Japan; for example inserts are marked with a 'K' (or 'M') to give 'RHP K JAPAN J1025-25GCR'.

If an aluminium complex food grade grease is not available, it is essential that any alternative grease is USDA H1 approved and ideally chemically compatible with the original grease. If chemical compatibility cannot be assured, then it is recommended that the original grease is completely flushed out from the system before relubrication. NSK should be consulted if necessary.



INSERT DESIGNATIONS, DIMENSIONS AND WEIGHTS

Table 14

Insert Dimensions

RHP DESIGNATION	BORE DIA	D	C	B	S	S1	r	h	M	SS	Cr (N)	Cor (N)	WEIGHT (kg)
J1020-20GCR	20	47	16	31.0	12.7	18.3	1.5	4.0	5.0	M6	9910	5350	0.16
J1020-3/4GCR	3/4"	47	16	31.0	12.7	18.3	1.5	4.0	5.0	M6	9910	5350	0.16
J1025-25GCR	25	52	17	34.0	14.3	19.7	1.5	3.5	5.5	M6	10820	6300	0.20
J1025-1GCR	1"	52	17	34.0	14.3	19.7	1.0	3.5	5.5	M6	10820	6300	0.20
J1030-30GCR	30	62	19	38.1	15.9	22.2	1.5	4.5	6.0	M6	15000	9050	0.32
J1030-1.3/16GCR	1.3/16"	62	19	38.1	15.9	22.2	1.0	4.5	6.0	M6	15000	9050	0.32
J1030-1.1/4GCR	1.1/4"	62	19	38.1	15.9	22.2	1.0	4.5	6.0	M6	15000	9050	0.32
J1035-35GCR	35	72	20	42.9	17.5	25.4	2.0	4.5	6.5	M8	19820	12300	0.48
J1035-1.1/4GCR	1.1/4"	72	20	42.9	17.5	25.4	2.0	4.5	6.5	M8	19820	12300	0.48
J1035-1.7/16GCR	1.7/16"	72	20	42.9	17.5	25.4	1.5	4.5	6.5	M8	19820	12300	0.48
J1040-40GCR	40	80	21	49.2	19.0	30.2	2.0	4.5	8.0	M8	22540	14300	0.64
J1040-1.1/2GCR	1.1/2"	80	21	49.2	19.0	30.2	2.0	4.5	8.0	M8	22540	14300	0.64

All dimensions in mm except inch bores. Cr = basic dynamic load rating. Cor = basic static load rating. Contact NSK for guidance on life estimation.

COMPONENT MATERIALS

Table 15

STANDARD	BEARING RINGS	BALL	FLINGER	SET SCREW	CAGE
JIS	SUS440C	SUS440C	SUS304	SUS410	SUS304
AISI/ASTM	AISI440C	AISI440C	AISI304	AISI410	AISI304

SHAFT TOLERANCES AND PERMISSIBLE SPEEDS

Bearing insert permissible speed is dependent on shaft tolerance.

For higher speed applications an ISO h7 shaft tolerance is recommended. An ISO h9 shaft tolerance may be used for low speed applications. For more details see table 16.

Table 16

Tolerances and Speeds

BASIC BEARING INSERT	BEARING LIMITING SPEED (RPM)	ISO h7		BEARING LIMITING SPEED (RPM)	ISO h9	
		SHAFT TOLERANCE HIGH (0.001 mm UNITS)	SHAFT TOLERANCE LOW (0.001 mm UNITS)		SHAFT TOLERANCE HIGH (0.001 mm UNITS)	SHAFT TOLERANCE LOW (0.001 mm UNITS)
J1020	2900	0	-21	1490	0	-52
J1025	2600	0	-21	1300	0	-52
J1030	2180	0	-21	1090	0	-52
J1035	1870	0	-25	940	0	-62
J1040	1650	0	-25	830	0	-62



SET SCREW TIGHTENING TORQUES

Set screws for Silver-Lube® bearing inserts are manufactured from stainless steel and can fracture if overtightened. The limiting set screw torques listed below should not be exceeded.

Table 17

Tightening Torques

RHP DESIGNATION	SET SCREW	MAXIMUM TIGHTENING TORQUE (Nm)
J1020-20GCR	M6 x 7.0 LONG	4
J1020-3/4GCR	M6 x 7.0 LONG	4
J1025-25GCR	M6 x 7.0 LONG	4
J1025-1GCR	M6 x 7.0 LONG	4
J1030-30GCR	M6 x 7.0 LONG	4
J1030-1.3/16GCR	M6 x 7.0 LONG	4
J1030-1.1/4GCR	M6 x 7.0 LONG	4
J1035-35GCR	M8 x 9.0 LONG	8
J1035-1.1/4GCR	M8 x 9.0 LONG	8
J1035-1.7/16GCR	M8 x 9.0 LONG	8
J1040-40GCR	M8 x 9.0 LONG	8
J1040-1.1/2GCR	M8 x 9.0 LONG	8

BORE TOLERANCE

Silver-Lube® inner ring bore tolerances are on the plus side of the nominal bore. This enables the bearing to slip freely over standard shafting.

Table 18

Bore Tolerances

NOMINAL BORE DIAMETER d (mm)		BORE TOLERANCE (0.001 mm UNITS)	
OVER	INCLUDING	MAX	MIN
10	18	+15	0
18	30	+18	0
30	50	+21	0

In line with our policy of continuous improvement, we reserve the right to amend the details in this catalogue without prior notice.

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Printed in England Ref: SVLB/D/E/E/5.03

