
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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Housing type ▼

Insert type


1000G


1000DECG


1200G


1200DECG

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36 38	SNP CNP	SNP-DEC CNP-DEC	SNP-A CNP-A	SNP-EC CNP-EC
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52	FC	FC-DEC	FC-A	FC-EC
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62	BT		BT-A	BT-EC
64 66	SLC MSC	SLC-DEC	SLC-A	SLC-EC
68 69	SCHB 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 78	LPS LPSH	LPS-DEC LPSH-DEC	LPS-A LPSH-A	LPS-EC LPSH-EC


Cast Iron
one piece





Pressed
steel
two piece





Insert type


T1000G


T1000 DECG


1000-GFS


1000DECGFS


1000-KG

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

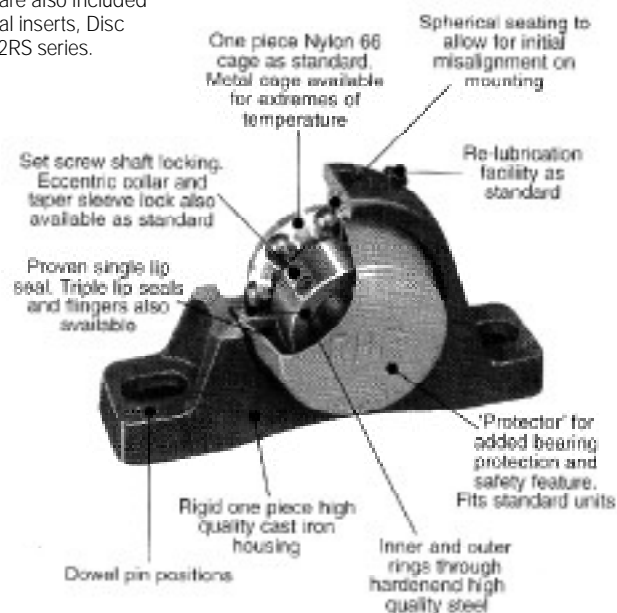
Self-Lube bearing insert

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.

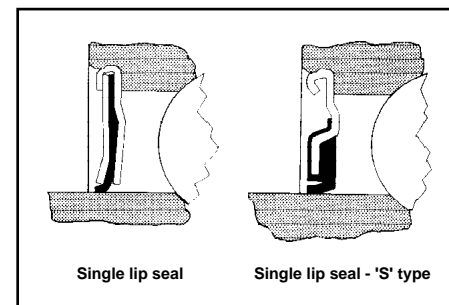


(Patented)

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.

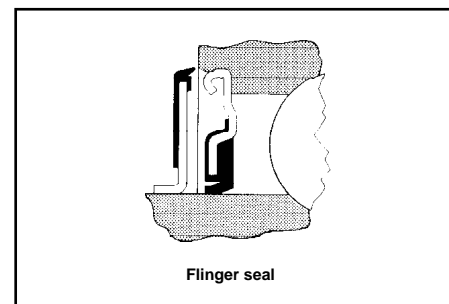


Flinger Seal

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.

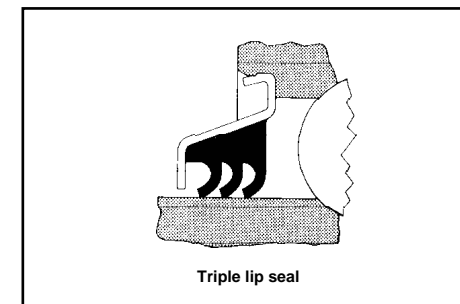
They are offered for the 1000 and 1000DEC types and are identified with the suffix FS (e.g. 1025-25GFS, NP25FS).

Please check availability.



Triple lip seal

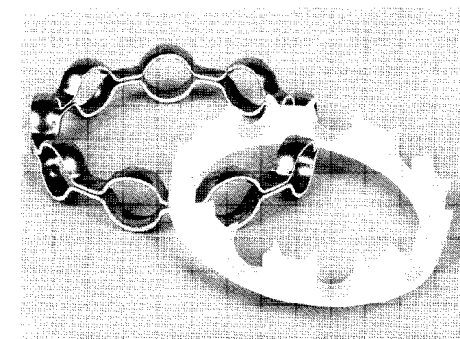
For applications with a high degree of contamination, the specially developed RHP triple lip seal is recommended. It consists of a one-piece moulded nitrile seal with three sealing lips, bonded to a protective steel outer pressing which is strongly secured in the outer ring making a highly efficient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



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

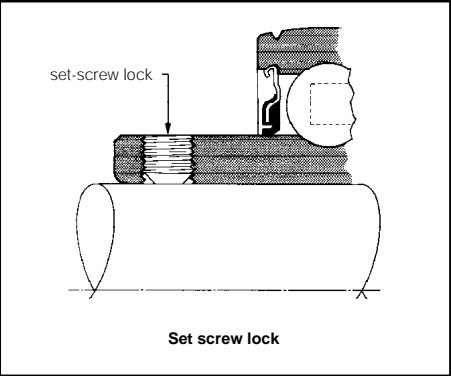
This locking arrangement consists of two knurled cup-point, self-locking, socket-head set screws fitted in the extended inner ring .

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.

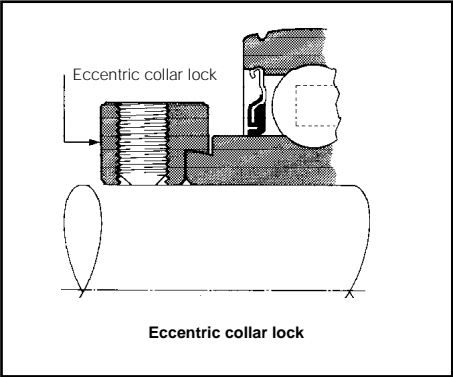
The recommended tightening torques for the set screws are given on page 14.



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.

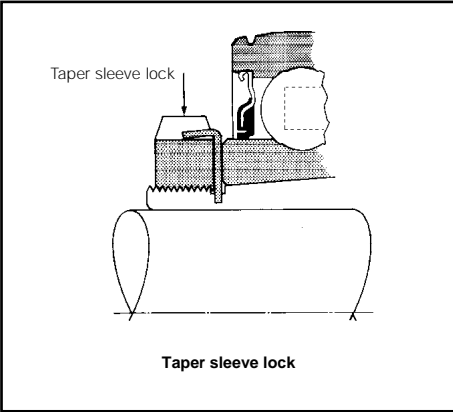


Taper sleeve lock

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.

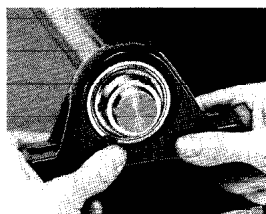
Cast iron housings should not be used on applications with heavy reversing or pulsating axial loads.

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.

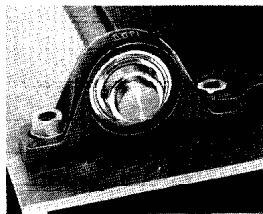
Additional notes on mounting Self-Lube adapter sleeve units

- 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.

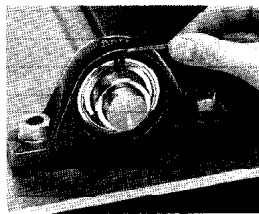
Self-Lube cast iron pillow block units



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

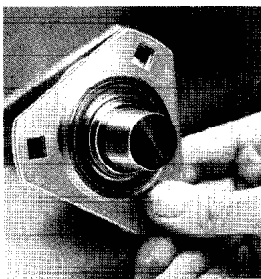


2 Bolt the unit down on to a flat surface but do not over-tighten.

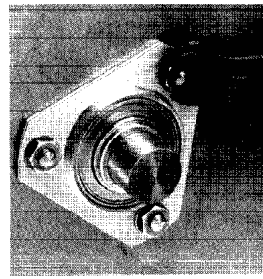


3 Tighten set screws to recommended torque.

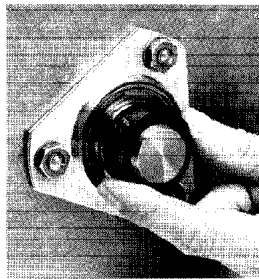
Self-Lube pressed steel flange units



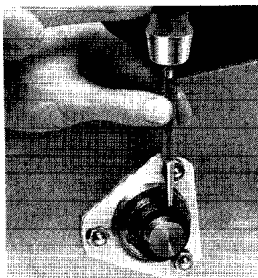
1 Assemble bearing and housing and slide onto the shaft. Do not engage collar.



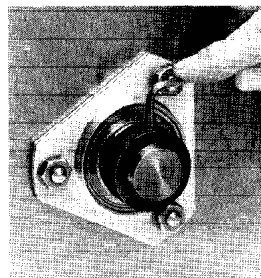
2 Lightly tighten bolts, repeat at other end of shaft and then finally tighten bolts on both sides.



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,

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

$$= \left(\frac{43500}{4680} \right)^3 \times \frac{10^6}{1500 \times 60}$$

$$= 8923 \text{ hours}$$

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:

$$P_r = 3881 \times 1,7$$

$$= 6598N$$

From page 17:

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

$$= \left(\frac{29100}{6598} \right)^3 \times \frac{10^6}{60 \times 300}$$

$$= 4766 \text{ hours}$$

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:

$$0,45 \times 17900 = 8055N$$

$$0,25 \times 17900 = 4475N$$

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.

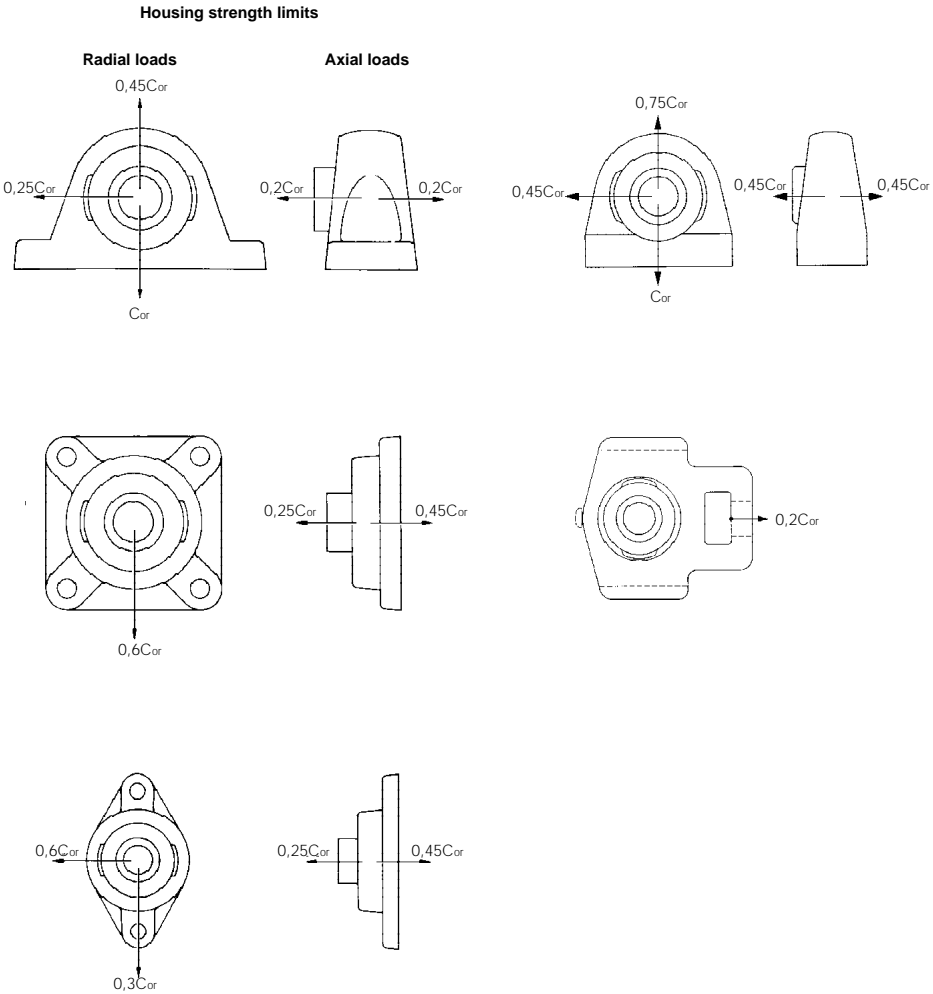
Life estimation for ball bearings for different $\frac{C_r}{P_r}$ ratios and speeds

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		Housing tolerance ISO N7		Housing tolerance ISO H7		Housing tolerance ISO N7	
	0,001mm units high	low	0-0001 inch units high	low	0,001mm units high	low	0-0001 inch units 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		Shaft tolerance				Max. speed		Shaft tolerance				Max. speed		Shaft tolerance						
	mm	inches	rev/ min	ISO h6		0-001mm		0-0001inch		rev/ min	ISO h7		0-001mm		0-0001inch		rev/ min	speedISO h9		0,001mm		0-0001inch	
				units	high	low	units	high	low			units	high	low	units	high	low		high	low	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	33/16-37/16	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.

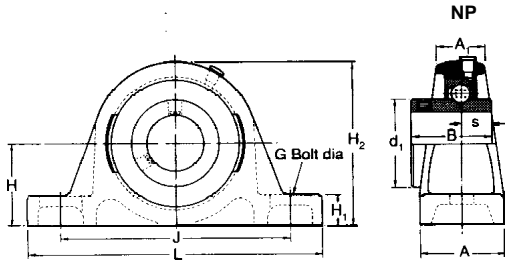
Whenever taper adapter sleeve locking arrangements are used the light loads column of shaft tolerances can be adopted.

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

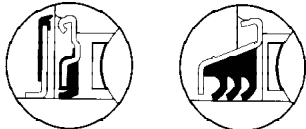
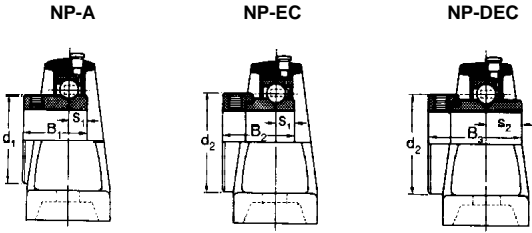
Bearing unit reference	Housing tolerance	
	Stationary housing	Rotating housing
SLC MSC	ISO H7	ISO N7
FC MFC	ISO H7	

NP SERIES



Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions				bolt centres Jmax Jmin	
								L	H	H ₁	H ₂		
mm	inches							mm					
inches													
12 15 16 17	1/2 5/8	NP12 NP15 NP16 NP17		NP12EC NP15EC NP16EC NP17EC		1017	1	126,5	30,20	14,2	57,2	100,5	85,5
		NP1 1/2		NP1 1/2EC				4-980	1-189	-559	2-252	3-957	3-366
		NP5/8		NP5/8EC									
20	3/4	NP20 NP3/4	NP20A NP3/4A	NP20EC NP3/4EC	NP20DEC NP3/4DEC	1020	2	127,0	33,30	14,0	65,2	100,5	88,5
								5-000	1-311	-551	2-567	3-957	3-484
25	7/8 15/16 1	NP25 NP7/8 NP15/16 NP1	NP25A NP7/8A NP15/16A NP1A	NP25EC NP7/8EC NP15/16EC NP1EC	NP25DEC NP7/8DEC NP15/16DEC NP1DEC	1025	3	139,0	36,50	16,0	71,0	112,7	96,8
								5-472	1-437	-630	2-795	4-437	3-811
30	1 1/8 1 3/16 1 1/4	NP30 NP1 1/8 NP13/16 NP1 1/4R	NP30A NP1 1/8A NP13/16A NP1 1/4AR	NP30EC NP1 1/8EC NP13/16EC NP1 1/4ECR	NP30DEC NP1 1/8DEC NP13/16DEC NP1 1/4DEC R	1030	4	160,5	42,90	17,7	82,7	129,5	108,5
								6-319	1-689	-697	3-256	5-098	4-272
35	1 1/4 1 3/8 1 7/16	NP35 NP1 1/4 NP13/8 NP17/16	NP35A NP1 1/4A NP13/8A NP17/16A	NP35EC NP1 1/4EC NP13/8EC NP17/16EC	NP35DEC NP1 1/4DEC NP13/8 DEC NP17/16DEC	1035	5	166,0	47,60	17,5	93,0	136,5	121,5
								6-535	1-874	-689	3-661	5-374	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	49,20	18,5	98,5	148,0	127,0
								7-106	1-937	-728	3-878	5-827	5-000
45	15/8 1 11/16 1 3/4	NP45 NP15/8 NP1 11/16 NP13/4	NP45A NP15/8A NP1 11/16A NP13/4A	NP45EC NP15/8EC NP1 11/16EC NP13/4EC	NP45DEC NP15/8DEC NP1 11/16DEC NP13/4DEC	1045	7	190,5	54,00	20,0	108,0	154,5	140,5
								7-500	2-126	-787	4-252	6-083	5-531
50	17/8 1 15/16 2	NP50 NP17/8 NP1 15/16 NP2R	NP50A NP17/8A NP1 15/16A	NP50EC NP17/8EC NP1 15/16EC	NP50DEC NP17/8DEC NP1 15/16DEC	1050	8	206,0	57,20	21,0	115,2	163,0	154,0
								8-110	2-252	-827	4-535	6-417	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	63,50	24,8	129,5	178,5	162,5
								8-641	2-500	-976	5-098	7-028	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	69,90	26,3	142,3	201,0	176,0
								9-449	2-752	1-035	5-602	7-913	6-929

Please check availability

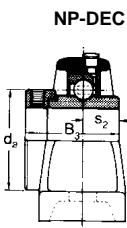
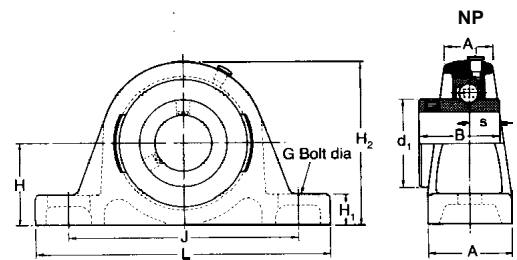


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. NP40FS.

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	Rec. max. speed	Mass (approx.)
												dynamic C _r	static C _{0r}	
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 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 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 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 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 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 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 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 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 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 13-1

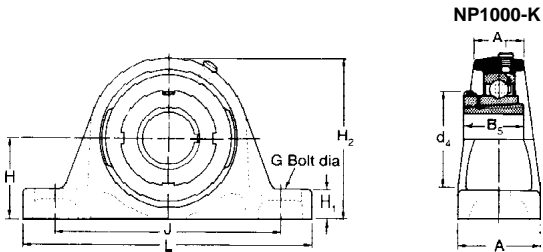
NP SERIES
(continued)



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

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

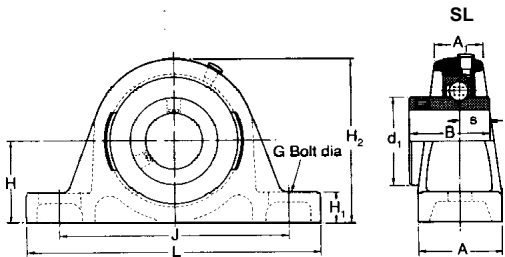
NP1000-K SERIES



Shaft diameter		RHP designation complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher	Basic bearing insert	Casting group	Dimensions			bolt centres	
							L	H	H ₁	H ₂	J max J min
mm	inches						mm	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

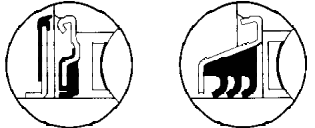
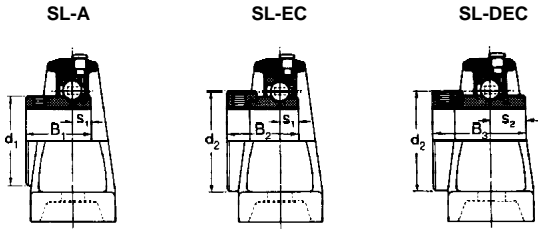
G	A	A ₁	B ₅	d ₄	ISO load ratings		Rec. max. speed	Mass (approx.)
					dynamic C _r	static C _{0r}		
mm					newtons lbf	newtons lbf	rev/min	kg lb
10	36,5	24,5	29,0	38,0	14000	7880	6250	0,7
3/8	1-437	-965	1-142	1-496	3150	1770		1-5
12	41,5	27,5	31,0	45,0	19500	11300	5300	1,3
1/2	1-634	1-083	1-220	1-772	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



Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions				bolt centres J max J min	
								L	H	H ₁	H ₂		
mm	inches							mm inches					
12		SL12		SL12EC		1017	1	119,0	26,97	11,0	54,0	91,5	85,5
15		SL15		SL15EC				4-685	1-062	-433	2-126	3-602	3-366
16		SL16		SL16EC									
17		SL17		SL17EC									
	1/2	SL17/2		SL17/2EC									
	5/8	SL17/4		SL17/4EC									
20		SL20	SL20A	SL20EC	SL20DEC	1020	2	126,5	31,75	12,5	63,7	100,5	88,5
	3/4	SL20/2	SL20/2A	SL20/2EC	SL20/2DEC			4-980	1-250	-492	2-508	3-957	3-484
25		SL25	SL25A	SL25EC	SL25DEC	1025	3	139,0	33,32	12,8	67,8	110,2	98,2
	7/8	SL25/2	SL25/2A	SL25/2EC	SL25/2DEC			5-472	1-312	-504	2-669	4-339	3-866
	15/16	SL25/4	SL25/4A	SL25/4EC	SL25/4DEC								
	1	SL1	SL1A	SL1EC	SL1DEC								
30		SL30	SL30A	SL30EC	SL30DEC	1030	4	161,5	39,67	14,5	79,5	130,0	109,0
	1 1/8	SL30/2	SL30/2A	SL30/2EC	SL30/2DEC			6-358	1-562	-571	3-130	5-118	4-291
	1 3/16	SL30/4	SL30/4A	SL30/4EC	SL30/4DEC								
	1 1/4	SL30/8	SL30/8A	SL30/8EC	SL30/8DEC								
35		SL35	SL35A	SL35EC	SL35DEC	1035	5	166,0	46,02	16,0	91,5	136,5	121,5
	1 3/8	SL35/2	SL35/2A	SL35/2EC	SL35/2DEC			6-535	1-812	-630	3-602	5-374	4-783
	1 7/16	SL35/4	SL35/4A	SL35/4EC	SL35/4DEC								
40		SL40	SL40A	SL40EC	SL40DEC	1040	6	180,5	49,20	18,5	98,5	148,0	127,0
	1 1/2	SL40/2	SL40/2A	SL40/2EC	SL40/2DEC			7-106	1-937	-728	3-878	5-827	5-000
45		SL45	SL45A	SL45EC	SL45DEC	1045	7	197,5	52,37	18,4	106,4	161,5	141,5
	1 5/8	SL45/2	SL45/2A	SL45/2EC	SL45/2DEC			7-776	2-062	-724	4-189	6-358	5-571
	1 11/16	SL45/4	SL45/4A	SL45/4EC	SL45/4DEC								
	1 3/4	SL45/8	SL45/8A	SL45/8EC	SL45/8DEC								
50		SL50	SL50A	SL50EC	SL50DEC	1050	8	214,0	55,55	19,3	114,0	177,0	151,0
	1 7/8	SL50/2	SL50/2A	SL50/2EC	SL50/2DEC			8-425	2-187	-760	4-488	6-969	5-945
	1 15/16	SL50/4	SL50/4A	SL50/4EC	SL50/4DEC								
	2	SL2R											
55		SL55		SL55DEC		1055	9	219,5	61,90	23,2	128,0	178,5	162,5
	2 1/8	SL55/2		SL55/2DEC				8-641	2-437	-913	5-039	7-028	6-398
	2 3/16	SL55/4		SL55/4DEC									
60		SL60		SL60DEC		1060	10	240,0	68,25	24,6	140,6	201,0	176,0
	2 1/4	SL60/2		SL60/2DEC				9-449	2-687	-969	5-535	7-913	6-929
	2 3/8	SL60/4		SL60/4DEC									
	2 7/16	SL60/8		SL60/8DEC									
		SL60/16		SL60/16DEC									
65		SL65R		SL65RDEC		1065	10/65	250,0	68,25	24,6	142,6	205,00	176,00
	2 1/2	SL65/2		SL65/2DEC				9-843	2-687	-969	5-614	8-071	6-929
65		SL65		SL65DEC		1075	11	286,0	82,55	28,0	165,5	241,5	200,5
70		SL70		SL70DEC				11-260	3-250	11-024	6-516	9-508	7-894
75		SL75		SL75DEC									
	2 11/16	SL75/2		SL75/2DEC									
	2 3/4	SL75/4		SL75/4DEC									
	2 7/8	SL75/8		SL75/8DEC									
	2 15/16	SL75/16		SL75/16DEC									

Please check availability

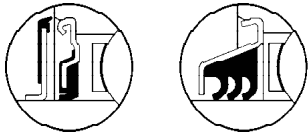
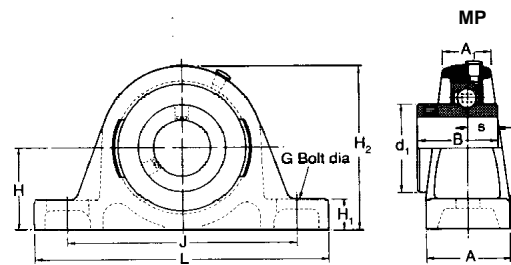


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SL1 1/4FS.

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. TSL1 1/4.

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	20,5	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	9550	4760	7000	0,5
		1-181	-807	1-078	-	1-124	-	-455	-258	-	-953	1-125	2150	1070		1-0
10	3/8	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
		1-260	-886	1-219	1-015	1-217	1-717	-502	-298	-674	1-122	1-311	2880	1480		1-4
10	3/8	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
		1-417	-965	1-343	1-077	1-217	1-748	-564	-298	-689	1-339	1-500	3150	1770		1-5
12	1/2	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
		1-614	1-083	1-500	1-229	1-405	1-906	-627	-356	-721	1-575	1-750	4380	2540		2-9
12	1/2	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
		1-752	1-201	1-688	1-374	1-531	2-015	-690	-376	-744	1-838	2-188	5780	3440		3-8
12	1/2	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
		2-008	1-358	1-938	1-621	1-718	2-218	-752	-435	-845	2-075	2-374	6540	4020		4-6
12	1/2	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
		2-126	1-378	1-938	1-621	1-718	2-218	-752	-435	-845	2-256	2-500	7310	4610		6-7
12	1/2	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
		2-165	1-417	2-031	1-714	1-718	2-469	-752	-435	-970	2-449	2-750	7870	5220		7-6
16	5/8	60,0	39,5	55,55	-	-	71,44	22,28	-	27,82	68,81	76,20	43500	29200	3100	4,0
		2-362	1-555	2-187	-	-	2-813	-877	-	1-095	2-709	3-000	9780	6560		8-8
16	5/8	70,0	46,0	65,07	-	-	77,82	25,45	-	31,02	75,34	84,12	52500	35900	2800	6,1
		2-756	1-811	2-562	-	-	3-064	1-002	-	1-221	2-966	3-312	11800	8070		13-4
16	5/8	70,0	45,0	65,07	-	-	77,82	25,45	-	31,02	82,40	87,33	57500	40000	2600	6,2
		2-756	1,772	2-562	-	-	3-064	1-002	-	1-221	3-244	3-438	12930	8990		13-7
20	3/4	74,0	47,5	77,77	-	-	91,72	33,37	-	37,37	92,00	101,60	66000	49300	2300	11,6
		2-913	1,870	3-063	-	-	3-611	1-314	-	1-471	3-622	4-000	14840	11080		25-3

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.

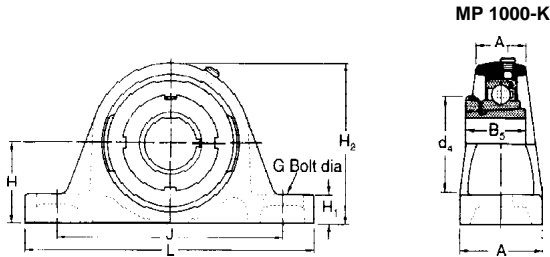
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TMP40.

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 MP13/16 MP11/4	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 MP13/8 MP17/16	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 MP11/2	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 MP11 1/16 MP13/4	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 MP17/8 MP115/16 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 MP23/16	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		MP60	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	2 7/16 2 1/2	MP65R MP27/16 MP21/2										
65		MP65	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
70	2 11/16 2 3/4	MP70 MP21 1/16 MP23/4										
75	2 15/16 3	MP75 MP215/16 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 MP37/16 MP31/4	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		MP85	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
90	3 7/16 3 1/2	MP90 MP37/16 MP31/2										
95		MP95	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
100	3 15/16 4	MP100 MP315/16 MP4										

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

MP1000-K SERIES

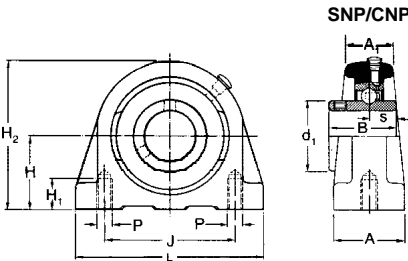


Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions				bolt centres	
		complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher			L	H	H ₁	H ₂	J _{max}	J _{min}
mm	inches						mm inches					
25	1 ⁵ / ₁₆ 1	MP1030-25K	H306	MP1030K	1030	1	160,5	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									

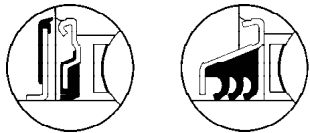
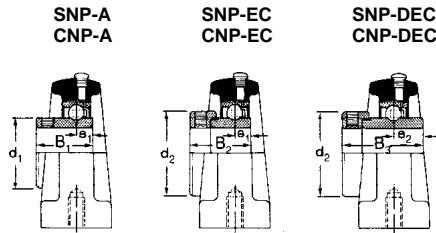
					ISO load ratings		Rec. max. speed	Mass (approx.)
G	A	A ₁	B _s	d ₄	dynamic C _r	static C _{0r}		
mm inches					newtons lbf	newtons lbf	rev/ min	kg lb
12 1/2	41,5 1-634	27,5 1-083	31,0 1-220	45,0 1-772	19500 4380	11300 2540	5300	1,3 2-9
12 1/2	44,5 1-752	30,5 1-201	35,0 1-378	52,0 2-047	25700 5780	15300 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	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							
35	1 1/4 1 3/8 1 7/16	SNP1 ¹ / ₄ R	SNP1 ¹ / ₄ AR	SNP1 ¹ / ₄ ECR	SNP1 ¹ / ₄ DEC	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 ¹³ / ₁₆	SNP ¹³ / ₁₆ A	SNP ¹³ / ₁₆ EC	SNP ¹³ / ₁₆ DEC							
40	1 1/2	SNP1 ⁷ / ₁₆	SNP1 ⁷ / ₁₆ A	SNP1 ⁷ / ₁₆ EC	SNP1 ⁷ / ₁₆ DEC	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	SNP40	SNP40A	SNP40EC	SNP40DEC	1045	7	127,0	54,00	19,5	110,0	95,3
		SNP ¹ / ₂	SNP ¹ / ₂ A	SNP ¹ / ₂ EC	SNP ¹ / ₂ 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	SNP45	SNP45A	SNP45EC	SNP45DEC	1050	8	135,0	57,2	23,5	115,0	101,6
		SNP ⁵ / ₈	SNP ⁵ / ₈ A	SNP ⁵ / ₈ EC	SNP ⁵ / ₈ DEC			5-315	2-252	-925	4-528	4-000
		SNP ¹¹ / ₁₆	SNP ¹¹ / ₁₆ A	SNP ¹¹ / ₁₆ EC	SNP ¹¹ / ₁₆ DEC							
55	2 2 1/8 2 3/16	SNP50	SNP50A	SNP50EC	SNP50DEC	1055	9	154,0	63,50	26,5	130,0	118,0
		SNP ¹ / ₂	SNP ¹ / ₂ A	SNP ¹ / ₂ EC	SNP ¹ / ₂ DEC			6-063	2-500	1-043	5-118	4-646
		SNP ³ / ₄	SNP ³ / ₄ A	SNP ³ / ₄ EC	SNP ³ / ₄ DEC							
60	2 1/4 2 3/8 2 7/16	SNP55	SNP55A	SNP55EC	SNP55DEC	1060	10	154,0	69,90	26,5	141,5	118,0
		SNP ³ / ₄	SNP ³ / ₄ A	SNP ³ / ₄ EC	SNP ³ / ₄ DEC			6-063	2-752	1-043	5-571	4-646
		SNP ⁷ / ₈	SNP ⁷ / ₈ A	SNP ⁷ / ₈ EC	SNP ⁷ / ₈ DEC							

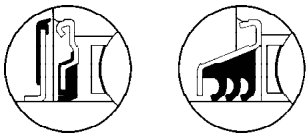
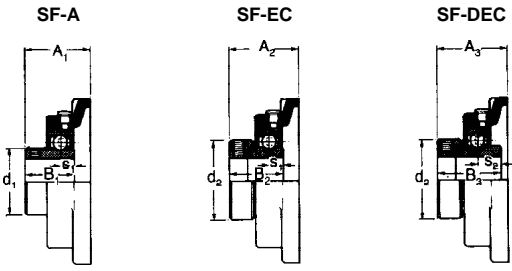
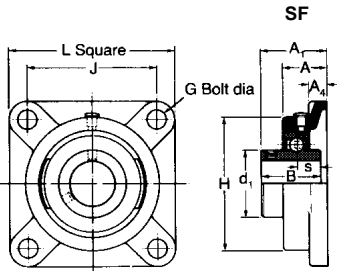


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SNP25FS.

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.

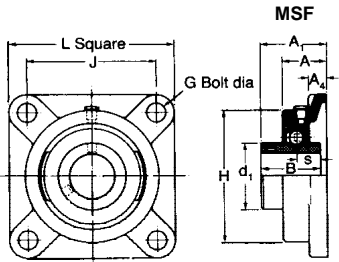
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSF7/8.

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	SF7/8DEC	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	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

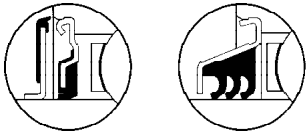
Please check availability

MSF SERIES



Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions							B
					L	H	J	G	A	A ₁	A ₄	
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	12,7 -500	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	12,7 -500	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	12,7 -500	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	14,3 -563	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	14,3 -563	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	17,5 -689	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	17,5 -689	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	18,0 -709	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	23,0 -960	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	23,0 -906	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	26,0 1-024	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	26 1-024	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	32,0 1-260	117,48 4-625
Please check availability												

Please check availability

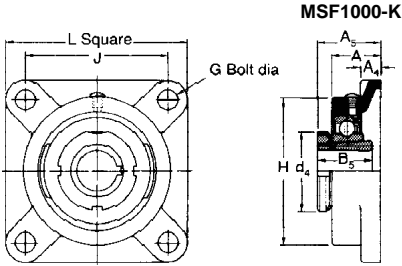


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSF35FS.

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.

s	d1	ISO load ratings		Rec. max. speed	Mass (approx.)
		dynamic Cr	static Cor		
mm		newtons	newtons	rev/min	kg
inches		lbf	lbf		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

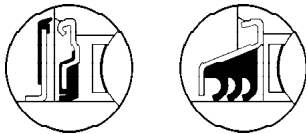
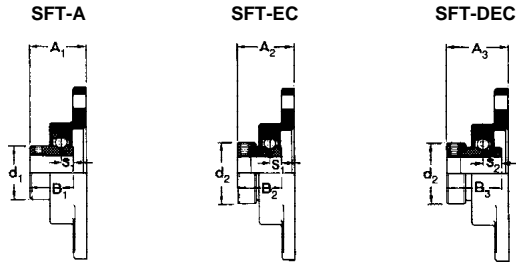
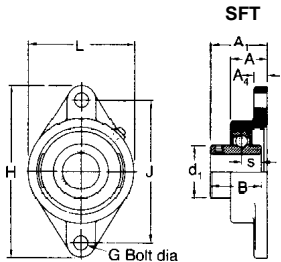
MSF1000-K SERIES



Shaft diameter	RHP designation complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher	Basic bearing insert	Casting group	Dimensions					
						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 flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SFT1FS.

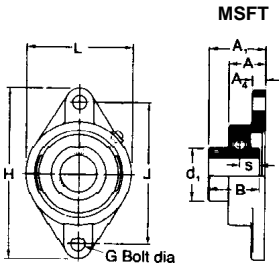
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSFT1

Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions				
						L	H	J	G	A A1
mm inches						mm inches				
12		SFT12		SFT12EC		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						
	1/2	SFT1 1/2		SFT1 1/2 EC						
	5/8	SFT1 5/8		SFT1 5/8 EC						
20		SFT20	SFT20A	SFT20EC	SFT20DEC	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	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	82,6	141,3	116,50	10	29,8 42,21
	1 1/8	SFT1 1/8		SFT1 1/8 EC	SFT1 1/8 DEC	3.252	5.563	4.687	7/16	1.173 1.662
	1 3/16	SFT1 3/16		SFT1 3/16 EC	SFT1 3/16 DEC					
	1 1/4	SFT1 1/4	SFT1 1/4 AR	SFT1 1/4 ECR	SFT1 1/4 DEC					
35		SFT35	SFT35A	SFT35EC	SFT35DEC	95,5	155,5	130,00	12	31,4 46,41
	1 1/4	SFT1 1/4	SFT1 1/4 A	SFT1 1/4 EC	SFT1 1/4 DEC	3.760	6.122	5.118	1/2	1.236 1.827
	1 3/8	SFT1 3/8		SFT1 3/8 EC	SFT1 3/8 DEC					
	1 7/16	SFT1 7/16		SFT1 7/16 EC	SFT1 7/16 DEC					
40		SFT40	SFT40A	SFT40EC	SFT40DEC	101,6	171,4	143,50	12	34,9 54,18
	1 1/2	SFT1 1/2	SFT1 1/2 A	SFT1 1/2 EC	SFT1 1/2 DEC	4.000	6.748	5.650	1/2	1.374 2.133
45		SFT45	SFT45A	SFT45EC	SFT45DEC	111,1	179,4	148,50	16	35,3 54,18
	1 5/8	SFT1 5/8		SFT1 5/8 EC	SFT1 5/8 DEC	4.374	7.063	5.846	5/8	1.390 2.133
	1 11/16	SFT1 11/16		SFT1 11/16 EC	SFT1 11/16 DEC					
	1 3/4	SFT1 3/4	SFT1 3/4 A	SFT1 3/4 EC	SFT1 3/4 DEC					
50		SFT50	SFT50A	SFT50EC	SFT50DEC	115,9	188,9	157,00	16	39,7 60,53
	1 7/8	SFT1 7/8		SFT1 7/8 EC	SFT1 7/8 DEC	4.563	7.437	6.181	5/8	1.563 2.283
	1 15/16	SFT1 15/16		SFT1 15/16 EC	SFT1 15/16 DEC					
	2	SFT2R								
55		SFT55			SFT55DEC	127,0	215,9	184,00	16	43,7 64,31
	2	SFT2			SFT2DEC	5.000	8.500	7.244	5/8	1.720 2.532
	2 1/8	SFT2 1/8			SFT2 1/8 DEC					
	2 3/16	SFT2 3/16			SFT2 3/16 DEC					
60		SFT60			SFT60DEC	138,1	235,0	202,00	16	47,6 73,69
	2 1/4	SFT2 1/4			SFT2 1/4 DEC	5.437	9.252	7.953	5/8	1.874 2.901
	2 3/8	SFT2 3/8			SFT2 3/8 DEC					
	2 7/16	SFT2 7/16			SFT2 7/16 DEC					

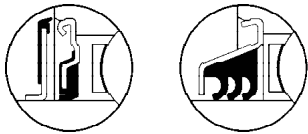
Please check availability

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 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	0,4
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								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		

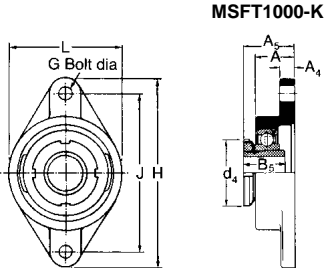


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSFT1 1/2FS.

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

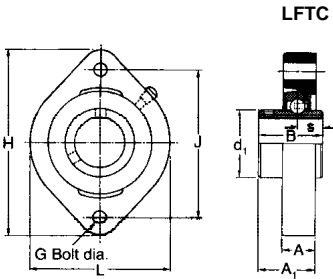
MSFT1000-K SERIES



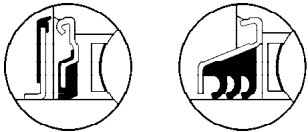
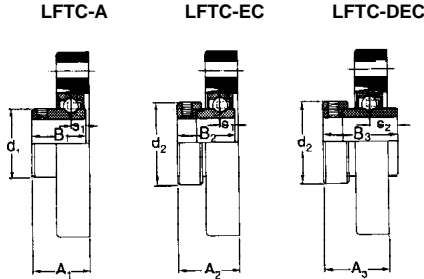
Shaft diameter	RHP designation complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher	Basic bearing insert	Casting group	Dimensions					
						L	H	J	G	A	A4
mm inches						mm inches					
20 3/4	MSFT1025-20K MSFT1025-3/4K	H305 HE3053/4	MSFT1025K	1025	SFT3	68,3 2-689	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

A5	B5	d4	ISO load ratings		Rec. max. speed	Mass (approx.)
			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 1/2		LFTC1 1/2		LFTC1 1/2EC						
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 1/4L	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						

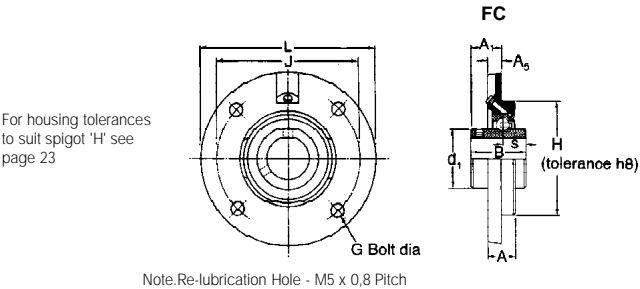


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. LFTC7/8FS.

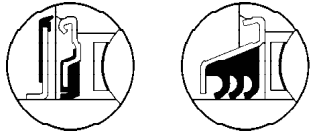
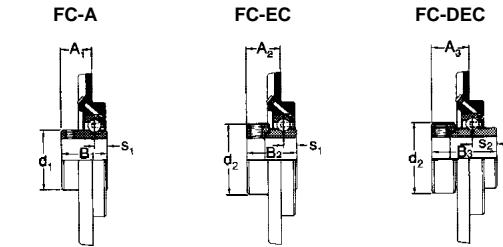
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TLFTC7/8

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											newtons	newtons	rev/min	kg
inches											lbf	lbf		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 1 1/16 1	FC25 FC7/8 FC1 1/16 FC1	FC25A FC1A	FC25EC FC7/8EC FC1 1/16EC FC1EC	FC25DEC FC7/8DEC FC1 1/16DEC 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 1/4	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

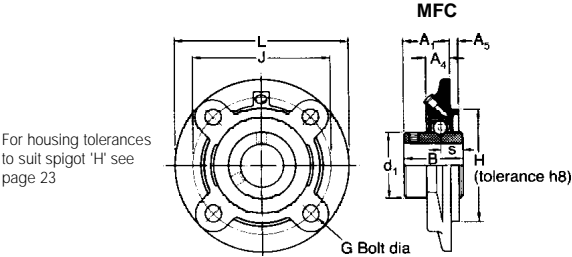


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. FC40FS.

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.

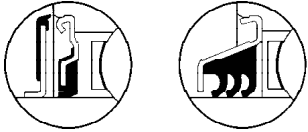
A ₂	A ₃	A ₅	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings dynamic C _r	static C _{0r}	Rec. max. speed	Mass (approx.)
mm inches												newtons lbf	newtons lbf	rev/ min	kg lb
21,45 -844	24,57 -967	8,0 -315	30,96 1-219	25,77 1-015	30,92 1-217	43,62 1-717	12,75 -502	7,56 -298	17,12 -674	28,50 1-122	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	MFC25	1030	1	111,1	76,20	92,08	8	33,32	21,0	6,4	38,10
	1 1/4	MFC1			4.374	3.000	3.625	5/16	1.312	.827	.252	1.500
30	1 3/16	MFC30	1035	2	127,0	85,72	104,78	10	33,32	19,0	6,4	42,88
	1 1/4	MFC1 3/16			5.000	3.375	4.125	3/8	1.312	.748	.252	1.688
35		MFC35	1040	3	133,4	92,07	111,12	10	38,10	19,0	6,4	49,23
40	1 3/8	MFC40			5.252	3.625	4.375	3/8	1.500	.748	.252	1.938
	1 7/16	MFC1 3/8										
	1 1/2	MFC1 7/16										
		MFC1 1/2										
45	1 11/16	MFC45	1050	4	155,6	107,95	130,18	10	39,67	19,0	6,4	51,59
	1 3/4	MFC1 11/16			6.126	4.250	5.125	7/16	1.562	.748	.252	2.031
	2	MFC1 3/4										
		MFC2R										
50	1 7/8	MFC50	1055	5	161,9	114,30	136,52	10	36,97	19,0	6,4	55,55
	1 15/16	MFC1 7/8			6.374	4.500	5.375	7/16	1.562	.748	.252	2.187
	2	MFC1 15/16										
		MFC2										
55	2 3/16	MFC55	1060	6	181,0	127,00	152,40	12	42,85	15,9	9,5	65,07
	2 1/4	MFC2 3/16			7.126	5.000	6.000	1/2	1.687	.626	.374	2.562
		MFC2 1/4										
60		MFC60	1070	7	193,7	139,70	165,10	12	46,02	15,9	12,7	74,63
65	2 7/16	MFC65R			7.626	5.500	6.500	1/2	1.812	.626	.500	2.938
	2 1/2	MFC2 7/16										
		MFC2 1/2										
65		MFC65	1075	8	222,2	161,92	190,50	16	50,80	21,0	12,7	77,77
70	2 11/16	MFC70			8.748	6.375	7.500	5/8	2.000	.827	.500	3.062
	2 3/4	MFC2 11/16										
		MFC2 3/4										
75		MFC75	1080	9	222,2	161,92	190,50	16	50,80	16,7	12,7	82,55
80	2 15/16	MFC80			8.748	6.375	7.500	5/8	2.000	.657	.500	3.250
	3	MFC2 15/16										
	3 1/4	MFC3										
		MFC3 1/4										
85		MFC85	1090	10	260,4	187,32	219,08	20	67,46	29,4	12,7	96,04
90	3 7/16	MFC90			10.252	7.375	8.625	3/4	2.656	1.157	.500	3.781
	3 1/2	MFC3 7/16										
		MFC3 1/2										
95		MFC95	3095	11	298,4	228,60	260,35	20	88,90	46,0	12,7	117,48
100	3 15/16	MFC100			11.748	9.000	10.250	3/4	3.500	1.811	.500	4.625
	4	MFC3 15/16										
		MFC4										

Please check availability

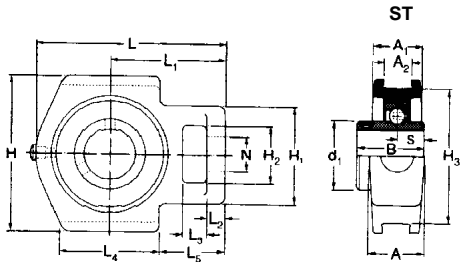


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MFC30FS.

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.

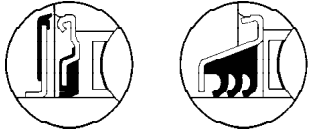
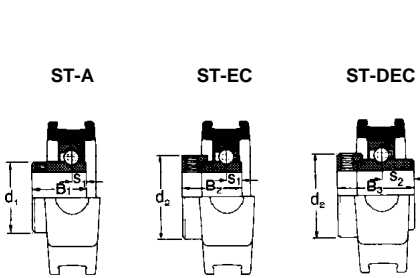
s	d1	ISO load ratings		Rec. max. speed	Mass (approx.)
		dynamic Cr	static Cor		
mm inches		newtons lbf	newtons lbf	rev/ min	kg lb
25 1	40,00 1.575	19500 4380	11300 2540	5300	1,4 3.0
30 1 3/16	46,69 1.838	25700 5780	15300 3440	4500	1,5 3.4
35 1 1/4	52,70 2.075	29100 6540	17900 4020	4000	1,9 4.2
45 1 11/16	62,20 2.449	35000 7870	23200 5220	3400	2,7 6.0
50 1 3/4	68,81 2.709	43500 9780	29200 6560	3100	3,0 6.6
55 2 3/16	75,34 2.966	52500 11800	35900 8070	2800	3,4 7.6
60 2 1/4	87,00 3.425	62000 13940	44000 9890	2450	4,5 10.0
65 2 7/16	92,00 3.622	66000 14840	49300 11080	2300	5,9 13.0
70 2 1/2	98,50 3.878	72500 16300	53000 11910	2150	5,4 12.0
75 2 15/16	111,66 4.396	96000 21580	71500 16070	1900	9,8 21.5
85 3 1/4	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 ST3/4	ST20A ST3/4A	ST20EC ST3/4EC	ST20DEC ST3/4DEC	1020	2	96,5 3-760	62,0 2-441	11,5 -453	16,0 -630	50,5 1-988	36,5 1-437	88,5 3-484	58,5 2-303
25	7/8 15/16	ST25 ST7/8 ST15/16	ST25A	ST25EC ST7/8EC ST15/16EC	ST25DEC ST7/8DEC ST15/16DEC	1025	3	98,0 3-858	62,0 2-441	11,5 -453	16,0 -630	50,5 1-988	36,5 1-437	88,5 3-484	58,5 2-303
30	1 1/8 1 3/16 1 1/4	ST30 ST11/8 ST13/16 ST11/4R	ST30A	ST30EC ST11/8EC ST13/16EC ST11/4ECR	ST30DEC ST11/8DEC ST13/16DEC ST11/4DECR	1030	4	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
35	1 1/4 1 3/8 1 7/16	ST35 ST11/4 ST13/8 ST17/16	ST35A ST11/4A	ST35EC ST11/4EC ST13/8EC ST17/16EC	ST35DEC ST11/4DEC ST13/8DEC ST17/16DEC	1035	5	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
40	1 1/2	ST40 ST11/2	ST40A ST11/2A	ST40EC ST11/2EC	ST40DEC ST11/2DEC	1040	6	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
45	1 5/8 1 11/16 1 3/4	ST45 ST15/8 ST111/16 ST13/4	ST45A	ST45EC ST15/8EC ST111/16EC ST13/4EC	ST45DEC ST15/8DEC ST111/16DEC ST13/4DEC	1045	7	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
50	1 7/8 1 15/16 2	ST50 ST17/8 ST115/16 ST2R	ST50A	ST50EC ST17/8EC ST115/16EC	ST50DEC ST17/8DEC ST115/16DEC	1050	8	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
55	2 2 1/8 2 3/16	ST55 ST2 ST21/8 ST23/16			ST55DEC ST2DEC ST21/8DEC ST23/16DEC	1055	9	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
60	2 1/4 2 3/8 2 7/16	ST60 ST23/4 ST23/8 ST27/16			ST60DEC ST23/4DEC ST23/8DEC ST27/16DEC	1060	10	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
65		ST65			ST65DEC	1070	11	222,5	137,5	21,5	32,0	120,5	77,0	166,5	113,0
70	2 1/2 2 11/16	ST70 ST21/2 ST211/16			ST70DEC ST21/2DEC ST211/16DEC			8-760	5-413	-846	1-260	4-744	3-031	6-555	4-449
75	2 3/4 2 7/8 2 15/16	ST75 ST23/4 ST27/8 ST215/16			ST75DEC ST23/4DEC ST27/8DEC ST215/16DEC	1075	12	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
80	3 3 3/16	ST80 ST3 ST33/16				1080	13	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
85	3 1/4 3 3/8 3 7/16	ST85 ST31/4 ST33/8 ST37/16				1085	14	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
Please check availability															

Please check availability

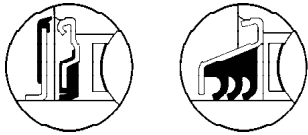
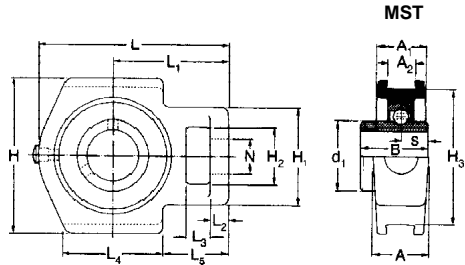


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. ST45FS.

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.

																ISO load ratings		Rec. max. speed	Mass (approx.)
H2	H3	N	A	A1	A2	B	B1	B2	B3	S	S1	S2	d1	d2	dynamic Cr	static Cor			
mm inches																newtons lbf	newtons lbf	rev/ min	kg lb
32,0 1-260	76,0 2-992	22,5 -886	36,0 1-417	27,5 1-083	13,50 -531	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 6250	0,8 1-8	
32,0 1-260	76,0 2-992	22,5 -886	36,0 1-417	27,5 1-083	13,50 -531	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 6250	1,0 2-2	
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	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 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	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 4500	1,6 3-5	
49,5 1-949	101,0 3-976	29,0 -949	49,5 1-949	37,0 1-457	17,50 -689	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 3700	2,7 6-0	
49,5 1-949	101,0 3-976	29,0 -949	49,5 1-949	37,0 1-457	17,50 -689	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 3700	2,8 6-2	
49,5 1-949	101,0 3-976	29,0 -949	49,5 1-949	37,0 1-457	17,50 -689	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 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	-	-	71,44 2-813	22,28 -877	-	27,82 1-095	68,81 2-709	76,20 3-000	43500 9780	29200 6560	3100 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	-	-	77,82 3-064	25,45 1-002	-	31,02 1-221	75,34 2-996	84,12 3-312	52500 11800	35900 8070	2800 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	-	-	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 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	-	-	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 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 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 2000	13,7 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.

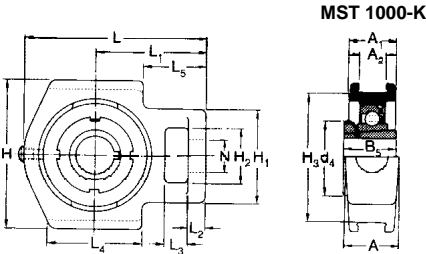
Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions							
					L	L ₁	L ₂	L ₃	L ₄	L ₅	H	H ₁
mm	inches				mm inches							
25	1	MST25 MST1	1030	1	115,5 4-547	71,7 2-823	12,5 -492	16,5 -650	64,5 2-539	43,0 1-693	101,5 3-996	64,5 2-539
30	1 3/16 1 1/4	MST30 MST1 3/16 **	1035	2	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	ISO load 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

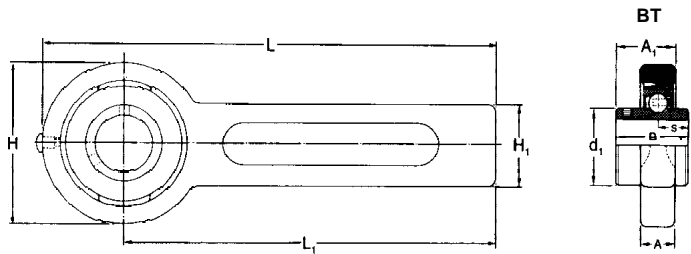
MST 1000-K SERIES



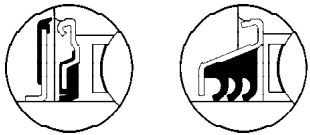
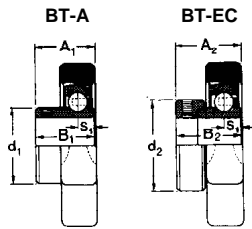
Shaft diameter		RHP designation complete unit	sleeve, nut & lockwasher assembly only	unit without sleeve, nut & lockwasher	Basic bearing insert	Casting group	Dimensions					
							L	L1	L2	L3	L4	L5
mm	inches						mm inches					
20	3/4	MST1025-20K MST1025-3/4K	H305 HE305-3/4	MST1025K	1025	ST3	98,0 3-858	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	Bs	d4	ISO load ratings		Rec. max. speed	Mass (approx.)
										dynamic	static		
mm										Cr	Cor	rev/min	kg
inches										lbf	lbf		lb
88,5	58,5	32,0	76,0	22,5	36,0	27,5	13,50	29,0	38,0	14000	7880	6250	1,0
3-484	2-303	1-260	2-992	-886	1-417	1-083	-531	1-142	1-496	3150	1770		2-2
101,5	64,5	37,5	89,0	22,5	36,5	30,0	13,50	31,0	45,0	19500	11300	5300	1,6
3-996	2-539	1-476	3-504	-886	1-437	1-181	-531	1-220	1-772	4380	2540		3-5
101,5	64,5	37,5	89,0	22,5	36,5	30,0	13,50	35,0	52,0	25700	15300	4500	1,6
3-996	2-539	1-476	3-504	-886	1-437	1-181	-531	1-378	2-047	5780	3440		3-5
118,0	82,5	49,5	101,0	29,0	49,5	37,0	17,50	36,0	58,0	29100	17900	4000	2,7
4-646	3-248	1-949	3-976	1-142	1-949	1-457	-689	1-417	2-283	6540	4020		6-0
118,0	82,5	49,5	101,0	29,0	49,5	37,0	17,50	39,0	65,0	32500	20500	3700	2,8
4-646	3-248	1-949	3-976	1-142	1-949	1-457	-689	1-535	2-559	7310	4610		6-2
118,0	82,5	49,5	101,0	29,0	49,5	37,0	17,50	42,0	70,0	35000	23200	3400	2,8
4-646	3-248	1-949	3-976	1-142	1-949	1-457	-689	1-654	2-756	7870	5220		6-2
146,0	101,0	64,0	130,0	35,0	63,5	46,5	27,00	45,0	75,0	43500	29200	3100	4,2
5-748	3-976	2-520	5-118	1-378	2-500	1-831	1-063	1-772	2-953	9780	6560		9-3

BT SERIES



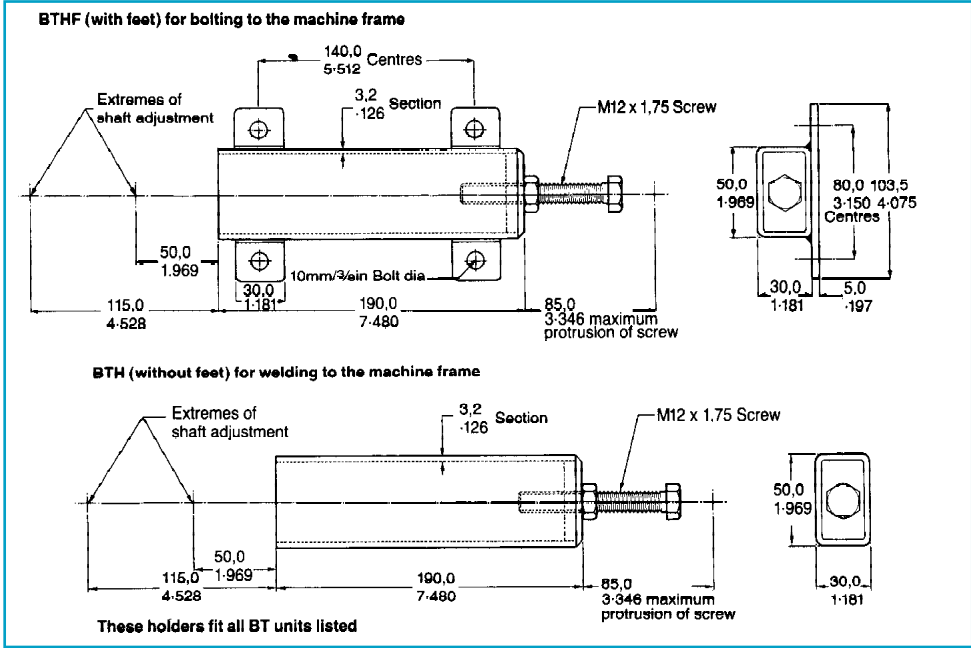
Shaft diameter		RHP designation			Basic bearing insert	Casting group	Dimensions					
							H	H ₁	L	L ₁	A	A ₁
mm	inches						mm					
							inches					
25		BT25	BT25A	BT25EC	1025	3	78,0	42,5	264,0	225,0	22,0	30,57
	7/8	BT7/8		BT7/8EC			3-071	1-673	10-394	8-858	0-866	1-204
	15/16	BT15/16		BT15/16EC								
	1	BT1	BT1A	BT1EC								
30		BT30L			1035	5	98,0	42,5	274,0	225,0	22,0	36,13
		BT35	BT35A	BT35EC			3-858	1-673	10-787	8-858	0-866	1-422
	13/16	BT13/16L										
	1 1/4	BT1 1/4	BT1 1/4A	BT1 1/4EC								
	1 3/8	BT1 3/8		BT1 3/8EC								
	1 7/16	BT1 7/16		BT1 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. BT35FS.

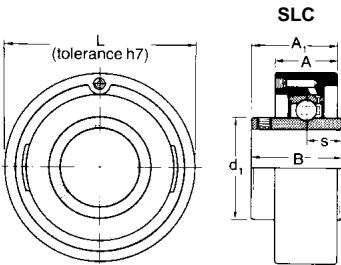
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TBT35.

A ₂	B	B ₁	B ₂	s	s ₁	d ₁	d ₂	ISO load ratings dynamic C _r	ISO load ratings static C _{0r}	Rec. max. speed	Mass (approx.)
mm inches								newtons lbf	newtons lbf	rev/ min	kg lb
34,2 1.346	34,11 1.343	27,35 1.077	30,92 1.217	14,32 .564	7,56 .298	34,01 1.339	38,10 1.500	14000 3150	7880 1770	6250	1,8 4.0
40,2 1.583	42,88 1.688	34,90 1.374	38,88 1.531	17,53 .690	9,55 .376	46,69 1.838	55,58 2.188	25700 5780	15300 3440	4500	2,3 5.0



Please check availability

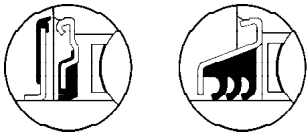
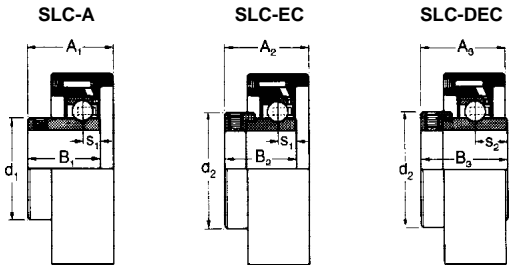
SLC SERIES



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

Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions					
								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 8/16		SLC5 8/16EC									
20		SLC20	SLC20A	SLC20EC	SLC20DEC	1020	2	74,637	22,22	29,39	34,54	37,67	30,96
	3/4	SLC3 3/4	SLC3 3/4A	SLC3 3/4EC	SLC3 3/4DEC			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 8/16		SLC7 8/16EC	SLC7 8/16DEC			3-1260	1-031	1-297	1-438	1-577	1-343
	15/16	SLC1 5/8		SLC1 5/8EC	SLC1 5/8DEC								
	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								
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

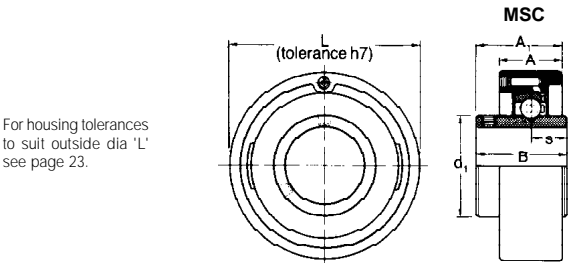


Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLC25FS.

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.

									ISO load ratings		Rec. max. speed	Mass (approx.)
B1	B2	B3	s	s1	s2	d1	d2	dynamic Cr	static Cor			
mm inches									newtons lbf	newtons lbf	rev/min	kg 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	

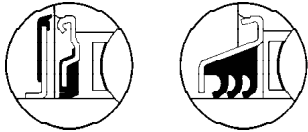
MSC SERIES



Shaft diameter		RHP designation	Basic insert	Casting bearing	Dimensions group L		A	A1	B	s	d1
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	
35	1	MSC1	1035	2	98,450	30,96	40,87	42,88	17,53	46,69	
	1 3/16	**			3-8760	1-219	1-609	1-688	-690	1-838	
	1 1/4	MSC1 3/16									
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	
	1 7/16	MSC1 7/16									
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	
	1 7/8	MSC1 7/8			4-9385	1-594	2-109	2-187	-877	2-709	
	1 15/16	MSC1 5/16									
	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	
	2 7/16	MSC2 7/16									
	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 5/16			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	
	3 7/16	MSC3 7/16			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 5/16									
	4	MSC4									

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

Please check availability



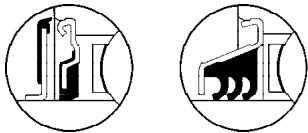
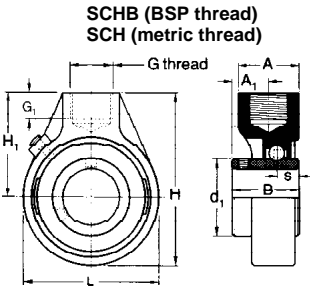
Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS' e.g. MSC1 3/16FS.

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. TMSMC1 3/16.

ISO load ratings		Rec. max. speed	Mass (approx.)
dynamic Cr	static Cor	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

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

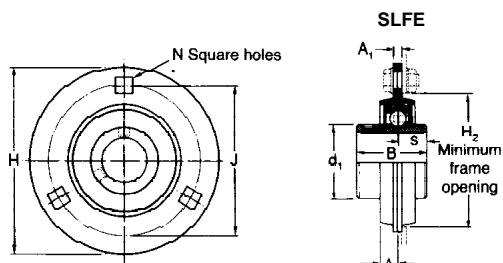
Shaft diameter		RHP designation		Basic bearing insert	Casting group	Dimensions		G1	L	H	H1	A
		BSP thread	metric thread			G (BSP)	G (metric)					
mm	inches							mm				
								inches				
20	3/4	SCHB20 SCHB3/4	SCH20 SCH3/4	1020	0	1/2	M16 x 2,00	19,0 -748	67,0 2-638	91,6 3-606	57,2 2-252	34,0 1-339
25		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									
		SCHB2 15/16	SCH2 15/16									
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									

Please check availability

				ISO load ratings		Rec. max. speed	Mass (approx.)
A1	B	s	d1	dynamic Cr	static Cor		
mm				newtons	newtons	rev/ min	kg
inches				lbf	lbf		lb
18,26	30,96	12,75	28,50	12800	6580	6700	0,8
719	1-219	502	1-122	2880	1480		1-8
22,22	38,10	15,93	40,00	19500	11300	5300	1,2
875	1-500	627	1-575	4380	2540		2-7
25,40	42,88	17,53	46,69	25700	15300	4500	1,5
1-000	1-688	690	1-838	5780	3440		3-2
27,79	49,23	19,10	52,70	29100	17900	4000	1,6
1-094	1-938	752	2-075	6540	4020		3-6
27,79	51,59	19,10	62,20	35000	23200	3400	2,2
1-094	2-031	752	2-449	7870	5220		4-8
30,94	65,07	25,45	75,34	52500	35900	2800	3,5
1-218	2-562	1-002	2-966	11800	8070		7-7
30,94	65,07	25,45	75,34	57500	40000	2660	3,4
1-218	2-562	1-002	2-966	12930	8990		7-5
34,94	77,77	33,37	92,00	66000	49300	2300	6,8
1-376	3-062	1-314	3-622	14840	11080		14-9
41,29	82,55	33,37	98,50	72500	53000	2150	8,1
1-626	3-250	1-314	3-878	16300	11910		17-8

SLFE SERIES (ISO)

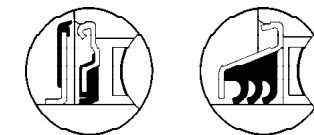
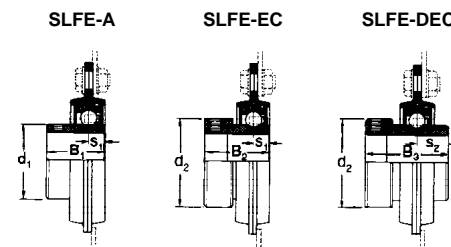
Housings of groups 6 to 10 inclusive have four bolt holes



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		SLFE12EC		1017	1	81,0	49,0	63,5	7,1	6,7	4,0
		SLFE15		SLFE15EC				3-189	1-929	2-500	-280	-264	-157
		SLFE16		SLFE16EC									
		SLFE17		SLFE17EC									
		SLFE1 1/2		SLFE1 1/2EC									
		SLFE5/8		SLFE5/8EC									
20	3/4	SLFE20	SLFE20A	SLFE20EC	SLFE20DEC	1020	2	90,5	55,0	71,5	8,7	7,7	4,0
		SLFE3/4	SLFE3/4A	SLFE3/4EC	SLFE3/4DEC			3-563	2-165	2-815	-343	-303	-157
25	7/8 15/16 1	SLFE25	SLFE25A	SLFE25EC	SLFE25DEC	1025	3	95,2	60,0	76,0	8,7	8,7	4,0
		SLFE7/8		SLFE7/8EC	SLFE7/8DEC			3-748	2-362	2-992	-343	-343	-157
		SLFE15/16		SLFE15/16EC	SLFE15/16DEC								
		SLFE1	SLFE1A	SLFE1EC	SLFE1DEC								
30	1 1/8 1 3/16 1 1/4	SLFE30	SLFE30A	SLFE30EC	SLFE30DEC	1030	4	112,7	71,0	90,5	10,5	9,0	5,0
		SLFE1 1/8		SLFE1 1/8EC	SLFE1 1/8DEC			4-437	2-795	3-563	-413	-354	-197
		SLFE13/16		SLFE13/16EC	SLFE13/16DEC								
		SLFE1 1/4	SLFE1 1/4A	SLFE1 1/4EC	SLFE1 1/4DEC								
	1 1/4	SLFE1 1/4L	SLFE1 1/4AL	SLFE1 1/4ECL	SLFE1 1/4DECL	1035	5	122,2	81,0	100,0	10,5	10,0	5,0
35		SLFE35	SLFE35A	SLFE35EC	SLFE35DEC			4-811	3-189	3-937	-413	-394	-197
	1 3/8	SLFE13/8		SLFE13/8EC	SLFE13/8 DEC								
	17/16	SLFE17/16		SLFE17/16EC	SLFE17/16DEC								
40	1 1/2	SLFE40	SLFE40A	SLFE40EC	SLFE40DEC	1040	6	147,8	91,0	119,0	13,5	10,0	7,0
		SLFE1 1/2	SLFE1 1/2A	SLFE1 1/2EC	SLFE1 1/2DEC			5-819	3-583	4-685	-531	-394	-276
45	1 5/8 1 11/16 1 3/4	SLFE45	SLFE45A	SLFE45EC	SLFE45DEC	1045	7	149,2	97,00	120,5	13,5	10,0	7,0
		SLFE15/8		SLFE15/8EC	SLFE15/8DEC			5-874	3-819	4-744	-531	-394	-276
		SLFE11 1/16		SLFE11 1/16EC	SLFE11 1/16DEC								
		SLFE13/4	SLFE13/4A	SLFE13/4EC	SLFE13/4DEC								
50	17/8 1 15/16 2	SLFE50	SLFE50A	SLFE50EC	SLFE50DEC	1050	8	155,6	102,0	127,0	13,5	10,5	8,0
		SLFE17/8		SLFE17/8EC	SLFE17/8DEC			6-126	4-016	5-000	-531	-413	-315
		SLFE115/16		SLFE115/16EC	SLFE115/16DEC								
		SLFE2R											
55	2 2 1/8 2 3/16	SLFE55			SLFE55DEC	1055	9	166,6	113,0	138,0	13,5	10,7	8,0
		SLFE2			SLFE2DEC			6-559	4-449	5-433	-531	-421	-315
		SLFE21/8			SLFE21/8DEC								
		SLFE23/16			SLFE23/16DEC								
60	2 1/4 2 7/16	SLFE60			SLFE60DEC	1060	10	176,2	122,0	147,6	13,5	11,9	8,0
		SLFE21/4			SLFE21/4DEC			6-937	4-803	5-811	-531	-469	-315
		SLFE27/16			SLFE27/16DEC								

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. SLFE25FS.

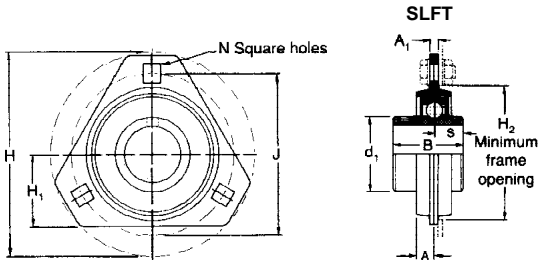
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLFE25.

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

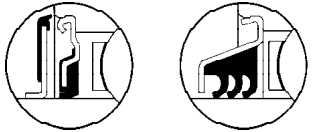
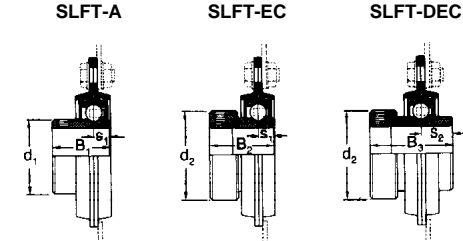
A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

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	SLFT7 ⁷ / ₈		SLFT7 ⁷ / ₈ EC	SLFT7 ⁷ / ₈ DEC			3-748	1-346	2-362	2-992	-343	-343
	15/16	SLFT1 ¹⁵ / ₁₆		SLFT1 ¹⁵ / ₁₆ EC	SLFT1 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 1/8	SLFT1 ¹ / ₈		SLFT1 ¹ / ₈ EC	SLFT1 ¹ / ₈ DEC			4-437	1-583	2-795	3-563	-413	-354
	1 3/16	SLFT1 ³ / ₁₆		SLFT1 ³ / ₁₆ EC	SLFT1 ³ / ₁₆ DEC								
	1 1/4	SLFT1 ¹ / ₄	SLFT1 ¹ / ₄ A	SLFT1 ¹ / ₄ EC	SLFT1 ¹ / ₄ DEC								
35		SLFT1 ¹ / ₄ LSLFT1 ¹ / ₄ AL		SLFT1 ¹ / ₄ ECL	SLFT1 ¹ / ₄ DECL	1035	5	122,2	44,2	81,0	100,0	10,5	10,0
	1 3/8	SLFT35	SLFT35A	SLFT35EC	SLFT35DEC			4-811	1-740	3-189	3-937	-413	-394
	1 3/8	SLFT1 ³ / ₈		SLFT1 ³ / ₈ EC	SLFT1 ³ / ₈ DEC								
	1 7/16	SLFT1 ⁷ / ₁₆		SLFT1 ⁷ / ₁₆ EC	SLFT1 ⁷ / ₁₆ DEC								



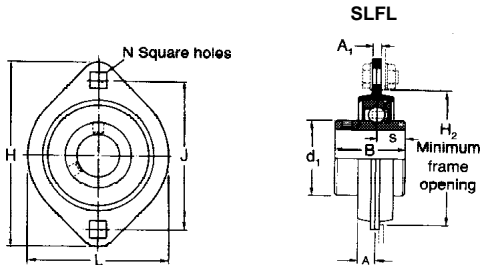
Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. SLFT35FS.

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.

											Max. radial housing load	Rec.max. speed	Mass (approx.)
A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂				
mm inches											newtons lbf	rev/ min	kg lb
4,0 -157	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	0,3 0-7
5,0 -197	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	0,5 1-1
5,0 -197	42,88 1-688	34,90 1-374	38,88 1-531	51,18 2-016	17,53 -690	9,55 -376	18,89 -744	46,69 1-838	55,58 2-188	6250 1400		2000	0,7 1-5

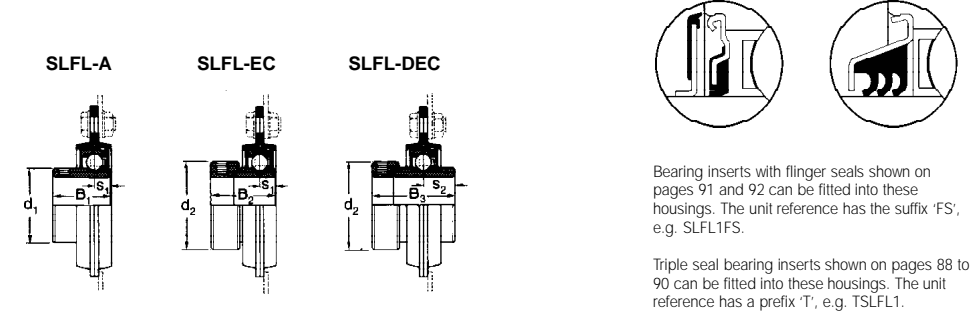
A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

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	2-280	2-264
16		SLFL16		SLFL16EC									
17		SLFL17		SLFL17EC									
	1/2	SLFL1/2		SLFL1/2EC									
	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	3-343	3-303
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	3-343	3-343
	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	4-113	3-354
	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	4-433	3-394
	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	5-547	4-409



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. SLFL1FS.

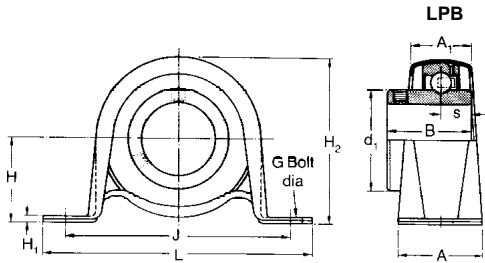
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TSLFL1.

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										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			

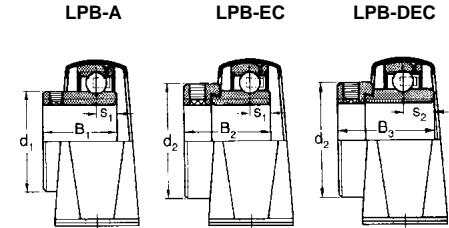
A modified version of these units is available if a Protector is to be fitted, see page 102 for details.

LPB SERIES (ISO)

Note: these units are not re-greaseable.

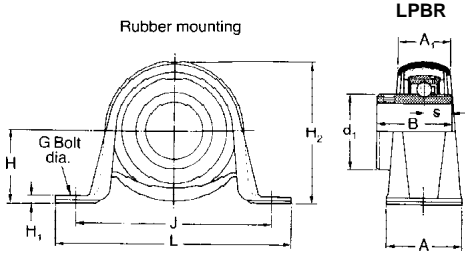


Shaft diameter		RHP designation				Basic bearing insert	Housing group	Dimensions					
								L	H	H ₁	H ₂	J	G
mm	inches							mm	inches				
12		LPB12		LPB12EC		1017	1	85,7	22,2	2,4	43,2	68,0	8
15		LPB15		LPB15EC				3-374	-874	-094	1-701	2-677	5/16
16		LPB16		LPB16EC									
17		LPB17		LPB17EC									
	1/2	LPB1½		LPB1½EC									
	5/8	LPB5/8		LPB5/8EC									
20		LPB20	LPB20A	LPB20EC	LPB20DEC	1020	2	98,4	25,4	2,4	49,9	76,0	8
	¾	LPB¾	LPB¾A	LPB¾EC	LPB¾DEC			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	LPB7/8		LPB7/8EC	LPB7/8DEC			4-252	1-126	-110	2-197	3-386	¾
	15/16	LPB15/16		LPB15/16EC	LPB15/16DEC								
	1	LPB1	LPB1A	LPB1EC	LPB1DEC								
30		LPB30	LPB30A	LPB30EC	LPB30DEC	1030	4	117,5	33,3	3,6	65,7	95,0	10
	1 1/8	LPB1 1/8		LPB1 1/8EC	LPB1 1/8DEC			4-626	1-311	-142	2-587	3-740	¾
	1 3/16	LPB1 3/16		LPB1 3/16EC	LPB1 3/16DEC								
	1 1/4	LPB1 1/4	LPB1 1/4A	LPB1 1/4EC	LPB1 1/4DEC								
	1 1/4	LPB1 1/4L	LPB1 1/4AL	LPB1 1/4ECL	LPB1 1/4DECL	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	¾
	1 3/8	LPB1 3/8		LPB1 3/8EC	LPB1 3/8DEC								
	1 7/16	LPB1 7/16		LPB1 7/16EC	LPB1 7/16DEC								



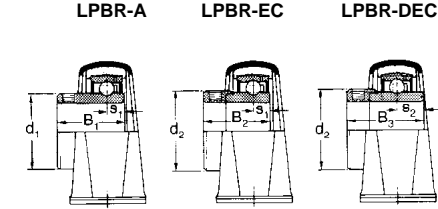
A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	Max. radial downward radial load	Rec. max speed	Mass (approx.)
mm inches											newtons lbf	rev/min	kg lb
25,4	15,9	27,38	-	28,54	-	11,55	6,55	-	24,21	28,58	1330	3000	0,2
1-000	-626	1-078	-	1-124	-	-455	-258	-	-953	1-125	300		0-4
31,7	21,6	30,96	25,77	30,92	43,62	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



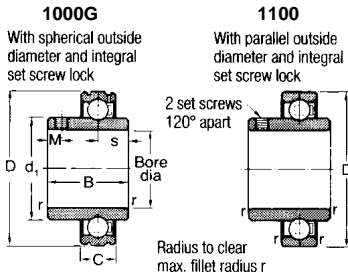
Note: these units are not re-greaseable.

Shaft diameter		RHP designation				Basic bearing insert	Housing group	Dimensions					
								L	H	H ₁	H ₂	J	G
mm	inches							mm inches					
12		LPBR12		LPBR12EC		1017	2	98,4	25,4	2,4	49,9	76,0	8
15		LPBR15		LPBR15EC				3-874	1-000	-094	1-965	2-992	5/16
16		LPBR16		LPBR16EC									
17		LPBR17		LPBR17EC									
	1/2	LPBR1/2		LPBR1/2EC									
	5/8	LPBR5/8		LPBR5/8EC									
20		LPBR20	LPBR20A	LPBR20EC	LPBR20DEC	1020	3	108,0	28,6	2,8	55,8	86,0	10
	3/4	LPBR3/4	LPBR3/4A	LPBR3/4EC	LPBR3/4DEC			4-252	1-126	-110	2-197	3-386	3/8
25		LPBR25	LPBR25A	LPBR25EC	LPBR25DEC	1025	4	117,5	33,3	3,6	65,7	95,0	10
	7/8	LPBR7/8		LPBR7/8EC	LPBR7/8DEC			4-626	1-311	-142	2-587	3-740	3/8
	15/16	LPBR15/16		LPBR15/16EC	LPBR15/16DEC								
	1	LPBR1	LPBR1A	LPBR1EC	LPBR1DEC								
30		LPBR30	LPBR30A	LPBR30EC	LPBR30DEC	1030	5	128,6	39,7	4,4	77,5	106,0	10
	1 1/8	LPBR1 1/8		LPBR1 1/8EC	LPBR1 1/8DEC			5-063	1-563	-173	3-051	4-173	3/8
	1 3/16	LPBR1 3/16		LPBR1 3/16ECL	LPBR1 3/16DEC								
	1 1/4	LPBR1 1/4	LPBR1 1/4A	LPBR1 1/4EC	LPBR1 1/4DEC								



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											newtons	rev/ min	kg
inches											lbf		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 AND 1100 SERIES (ISO)

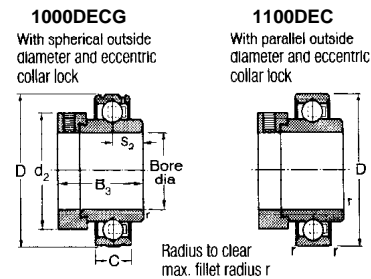


Shaft diameter	RHP designation		Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
	1000G series	1100 series	D	C	B	s	d ₁	M	r	dynamic C _r	static C _{0r}		
mm inches			mm inches							newtons lbf	newtons lbf	rev/min	kg lb
12	1017-12G	1117-12	40,000	12,00	27,38	11,55	24,21	5,35	0,60	9550	4760	7000	0,09
15	1017-15G	1117-15	1-5748	-472	1-078	-455	-953	-211	-024	2150	1070		-20
16	1017-16G	1117-16											
17	1017-17G	1117-17											
1 1/2	1017-1 1/2G	1117-1 1/2											
5/8	1017-5/8G	1117-5/8											
20	1020-20G	1120-20	47,000	14,00	30,96	12,75	28,50	5,00	1,00	12800	6580	6700	0,13
	1020-3/4G	1120-3/4	1-8504	-551	1-219	-502	1-122	-197	-039	2880	1480		-28
25	1025-25G	1125-25	52,000	15,00	34,11	14,32	34,01	5,35	1,00	14000	7880	6250	0,17
7/8	1025-7/8G	1125-7/8	2-0472	-591	1-343	-564	1-339	-211	-039	3150	1770		-38
1 5/16	1025-1 5/16G	1125-1 5/16											
1	1025-1G	1125-1											
25	1030-25G	1130-25	62,000	16,00	38,10	15,93	40,00	5,85	1,00	19500	11300	5300	0,37
30	1030-30G	1130-30	2-4409	-630	1-500	-627	1-575	-230	-039	4380	2540		-81
1	1030-1G	1130-1											
1 1/8	1030-1 1/8G	1130-1 1/8											
1 3/16	1030-1 3/16G	1130-1 3/16											
1 1/4	1030-1 1/4G	1130-1 1/4											
30	1035-30G	1135-30	72,000	17,00	42,88	17,53	46,69	7,35	1,00	25700	15300	4500	0,51
35	1035-35G	1135-35	2-8346	-669	1-688	-690	1-838	-289	-039	5780	3440		1-12
1 3/16	1035-1 3/16G	1135-1 3/16											
1 1/4	1035-1 1/4G	1135-1 1/4											
1 5/16	1035-1 5/16G	1135-1 5/16											
1 3/8	1035-1 3/8G	1135-1 3/8											
1 7/16	1035-1 7/16G	1135-1 7/16											
35	1040-35G	1140-35	80,000	18,00	49,23	19,10	52,70	7,95	1,00	29100	17900	4000	0,64
40	1040-40G	1140-40	3-1496	-709	1-938	-752	2-075	-313	-039	6540	4020		1-41
1 3/8	1040-1 3/8G	1140-1 3/8											
1 7/16	1040-1 7/16G	1140-1 7/16											
1 1/2	1040-1 1/2G	1140-1 1/2											
40	1045-40G	1145-40	85,000	19,00	49,23	19,10	57,30	7,95	1,00	32500	20500	3700	0,73
45	1045-45G	1145-45	3-3465	-748	1-938	-752	2-256	-313	-039	7310	4610		1-62
1 1/2	1045-1 1/2G	1145-1 1/2											
1 5/8	1045-1 5/8G	1145-1 5/8											
1 11/16	1045-1 11/16G	1145-1 11/16											
1 3/4	1045-1 3/4G	1145-1 3/4											
45	1050-45G	1150-45	90,000	20,00	51,59	19,10	62,20	8,95	1,00	35000	23200	3400	0,91
50	1050-50G	1150-50	3-5433	-787	2-031	-752	2-449	-352	-039	7870	5220		2-00
1 11/16	1050-1 11/16G	1150-1 11/16											
1 3/4	1050-1 3/4G	1150-1 3/4											
1 7/8	1050-1 7/8G	1150-1 7/8											
1 5/16	1050-1 5/16G	1150-1 5/16											
2	1050-2G	1150-2											
50	1055-50G	1155-50	100,000	21,00	55,55	22,28	68,81	9,55	1,50	43500	29200	3100	1,12
55	1055-55G	1155-55	3-9370	-827	2-187	-877	2-709	-376	-059	9780	6560		2-47
1 7/8	1055-1 7/8G	1155-1 7/8											
1 5/16	1055-1 5/16G	1155-1 5/16											
2	1055-2G	1155-2											
2 1/8	1055-2 1/8G	1155-2 1/8											
2 3/16	1055-2 3/16G	1155-2 3/16											

Please check availability

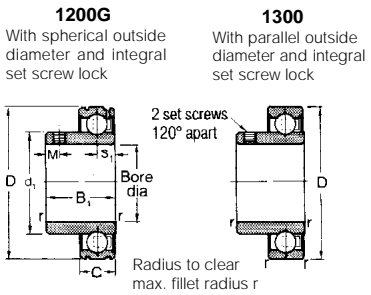
Shaft diameter	RHP designation		Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
	1000G series	1100 series	D	C	B	s	d ₁	M	r	dynamic C _r	static C _{0r}		
mm inches			mm inches							newtons lbf	newtons lbf	rev/min	kg lb
55	1060-55G	1160-55	110,000	22,00	65,07	25,45	75,34	9,55	1,50	52500	35900	2800	1,47
60	1060-60G	1160-60	4-3307	-866	2-562	1-002	2-966	-376	-059	11800	8070		3-25
2 3/16	1060-2 3/16G	1160-2 3/16											
2 1/4	1060-2 1/4G	1160-2 1/4											
2 3/8	1060-2 3/8G	1160-2 3/8											
2 7/16	1060-2 7/16G	1160-2 7/16											
60	1065-60G	1165-60	120,000	23,00	65,07	25,45	82,40	9,55	1,50	57500	40000	2600	2,02
65	1065-65G	1165-65	4-7244	-906	2-562	1-002	3-244	-376	-059	12930	8990		4-45
2 1/2	1065-2 1/2G	1165-2 1/2											
60	1070-60G	1170-60	125,000	24,00	74,63	30,23	87,00	12,15	1,50	62000	44000	2450	2,27
65	1070-65G	1170-65	4-9213	-945	2-938	1-190	3-425	-478	-059	13940	9890		5-00
70	1070-70G	1170-70											
2 7/16	1070-2 7/16G	1170-2 7/16											
2 1/2	1070-2 1/2G	1170-2 1/2											
2 5/8	1070-2 5/8G	1170-2 5/8											
2 11/16	1070-2 11/16G	1170-2 11/16											
65	1075-65G	1175-65	130,000	25,00	77,77	33,37	92,00	12,75	1,50	66000	49300	2300	2,61
70	1075-70G	1175-70	5-1181	-984	3-062	1-314	3-622	-502	-059	14840	11080		5-75
75	1075-75G	1175-75											
2 11/16	1075-2 11/16G	1175-2 11/16											
2 3/4	1075-2 3/4G	1175-2 3/4											
2 7/8	1075-2 7/8G	1175-2 7/8											
2 5/16	1075-2 5/16G	1175-2 5/16											
3	1075-3G	1175-3											
75	1080-75G	1180-75	140,000	26,00	82,55	33,37	98,50	11,15	2,00	72500	53000	2150	3,23
80	1080-80G	1180-80	5-5118	1-024	3-250	1-314	3-878	-439	-079	16300	11910		7-12
2 5/16	1080-2 5/16G	1180-2 5/16											
3	1080-3G	1180-3											
3 3/16	1080-3 3/16G	1180-3 3/16											
3 1/4	1080-3 1/4G	1180-3 1/4											
80	1085-80G	1185-80	150,000	28,00	85,72	34,18	106,02	11,95	2,00	83500	63800	2000	3,74
85	1085-85G	1185-85	5-9055	1-102	3-375	1-346	4-174	-470	-079	18770	14340		8-25
3 3/16	1085-3 3/16G	1185-3 3/16											
3 1/4	1085-3 1/4G	1185-3 1/4											
3 3/8	1085-3 3/8G	1185-3 3/8											
3 7/16	1085-3 7/16G	1185-3 7/16											
85	1090-85G	1190-85	160,000	30,00	96,04	39,73	111,66	11,95	2,00	96000	71500	1900	4,99
90	1090-90G	1190-90	6-2992	1-181	3-781	1-564	4-396	-470	-079	21580	16070		11-00
3 7/16	1090-3 7/16G	1190-3 7/16											
3 1/2	1090-3 1/2G	1190-3 1/2											
95	3095-95G		200,000	45,00	117,48	49,27	130,43	19,05	2,50	143000	110000	1600	9,53
100	3095-100G		7-8740	1-772	4-625	1-940	5-135	-750	-098	32150	24730		21-00
3 15/16	3095-3 15/16G												
4	3095-4G												

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 1 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 15/16	1050-50DECG 1050-1 7/8DECG 1050-1 15/16DECG	1150-50DEC 1150-1 7/8DEC 1150-1 15/16DEC	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 3/16	1055-55DECG 1055-2DECG 1055-2 1/8DECG 1055-2 3/16DECG	1155-55DEC 1155-2DEC 1155-2 1/8DEC 1155-2 3/16DEC	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 1/2 2 5/8 2 11/16	1075-70DECG 1075-2 1/2DECG 1075-2 5/8DECG 1075-2 11/16DECG	1175-70DEC 1175-2 1/2DEC 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 70 2 3/4 75 2 7/8 2 15/16	1075-65DECG 1075-70DECG 1075-75DECG 1075-2 11/16DECG 1075-2 3/4DECG 1075-2 7/8DECG 1075-2 15/16DECG	1175-65DEC 1175-70DEC 1175-75DEC 1175-2 11/16DEC 1175-2 3/4DEC 1175-2 7/8DEC 1175-2 15/16DEC	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

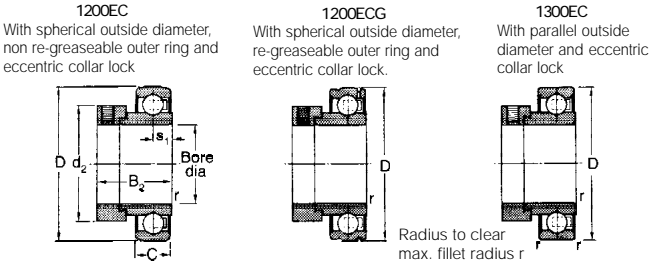
1200G AND 1300 SERIES



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 inches							newtons lbf	newtons lbf	rev/min	kg lb
20 3/4	1220-20G 1220-3/4G	1320-20 1320-3/4	47,000 1-8504	14,00 -551	25,77 1-015	7,56 -298	28,50 1-122	5,35 -211	1,00 -039	12800 2880	6580 1480	7450	0,10 -22
25 1	1225-25G 1225-1G	1325-25 1325-1	52,000 2-0472	15,00 -591	27,35 1-077	7,56 -298	34,01 1-339	5,35 -211	1,00 -039	14000 3150	7880 1770	6250	0,13 -29
30 1 1/4	1230-30G 1230-1 1/4G	1330-30 1330-1 1/4	62,000 2-4409	16,00 -630	31,21 1-229	9,04 -356	40,00 1-575	5,85 -230	1,00 -039	19500 4380	11300 2540	5300	0,32 -71
35 1 1/4	1235-35G 1235-1 1/4G	1335-35 1335-1 1/4	72,000 2-8346	17,00 -669	34,90 1-374	9,55 -376	46,69 1-838	7,35 -289	1,00 -039	25700 5780	15300 3440	4500	0,43 -95
40 1 1/2	1240-40G 1240-1 1/2G	1340-40 1340-1 1/2	80,000 3-1496	18,00 -709	41,18 1-621	11,05 -435	52,70 2-075	7,95 -313	1,00 -039	29100 6540	17900 4020	4000	0,54 1-19
45 1 3/4	1245-45G 1245-1 3/4G	1345-45 1345-1 3/4	85,000 3-3465	19,00 -748	41,18 1-621	11,05 -435	57,30 2-256	7,95 -313	1,00 -039	32500 7310	20500 4610	3700	0,61 1-34
50	1250-50G	1350-50	90,000 3-5433	20,00 -787	43,54 1-714	11,05 -435	62,20 2-449	8,95 -352	1,00 -039	35000 7870	23200 5220	3400	0,76 1-68

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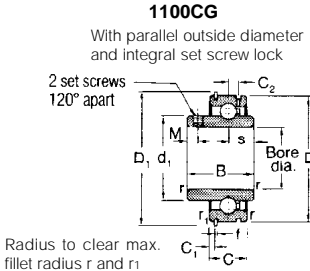
1200EC AND 1200ECG SERIES (ISO)
1300EC SERIES



Shaft diameter	RHP designation			Dimensions						ISO load ratings		Rec. max. speed	Mass (approx.)	
	1200EC series	1200ECG series	1300EC series	D	C	B ₂	s ₁	d ₂	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 5/16		1250-1 5/16EC	1250-1 5/16ECG	1350-1 5/16EC										
2		1250-2EC	1250-2ECG	1350-2EC										

Please check availability.

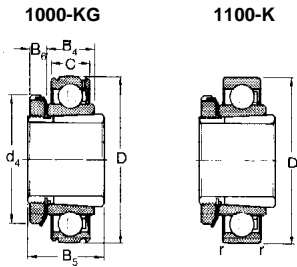
1100CG SERIES



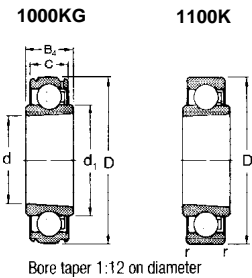
Shaft diameter	RHP designation 1100CG series	Dimensions														ISO load ratings		Rec. max. speed	Mass (approx.)
		D	D ₁	C	C ₁	C ₂	B	s	d ₁	f	M	r	r ₁	dynamic C _r	static C _{0r}				
mm	inches	mm	inches											newtons lbf	newtons lbf	rev/ min	kg lb		
20	3/4	1120-20CG 1120-3/4CG	47,000 1-8504	52,68 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	7/8 1 1/16 1	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	1 1/8 1 3/16	1130-30CG 1130-1 1/8CG 1130-13/16CG	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	1 1/4 1 3/8 1 7/16	1135-35CG 1135-1 1/4CG 1135-13/8CG 1135-17/16CG	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	1 1/2	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	1 5/8 1 11/16 1 3/4	1145-45CG 1145-15/8CG 1145-11/16CG 1145-13/4CG	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 1 5/16		1150-17/8CG 1150-115/16CG	90,000 3-5433	96,49 3-799	28,58 1-125	3,18 -125	6,72 -265	51,59 2-031	19,10 -752	62,20 2-449	2,46 -097	8,95 -352	1,00 -039	1,00 -039	35000 7870	23200 5220	3400	1,10 2-43	

Please check availability.

1000-KG AND 1100-K SERIES

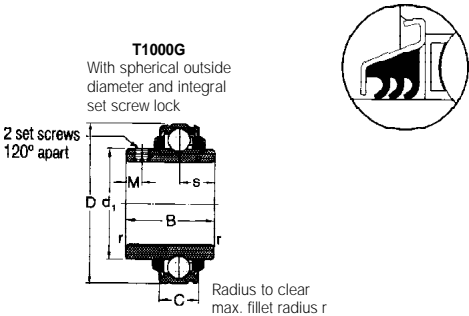


Shaft diameter		RHP designation		sleeve, nut & lockwasher assembly only	bearing insert without sleeve, nut & lockwasher	Dimensions						
		1000-KG series	1100-K series			D	C	B ₄	B ₅	B ₆	d	
mm	inches					mm						inches
20	3/4	1025-20KG	1125-20K	H305	1025KG	52,000	15,00	19,00	29,00	8,00	25,000	
		1025-3/4KG	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								



d ₁ d ₄ r			ISO load ratings		Rec. max. speed	Mass (approx.)
			dynamic C _r	static C _{0r}		
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

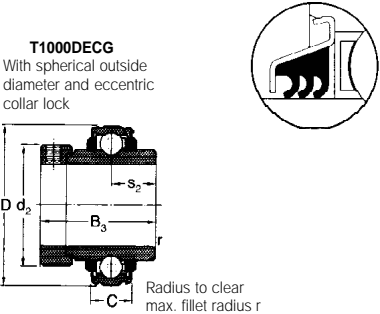


Shaft diameter	RHP designation	Dimensions							ISO load ratings		Rec. max. speed	Mass (approx.)
		D	C	B	s	d ₁	M	r	dynamic C _r	static C _{0r}		
mm inches		mm inches							newtons lbf	newtons lbf	rev/min	kg lb
25 7/8 1 15/16	T1025-25G T1025-7/8G T1025-15/16G T1025-1G	52,000 2.0472	15,00 .591	34,11 1.343	14,32 .564	34,01 1.339	5,35 .211	1,00 .039	14000 3150	7880 1770	1000	0,17 .38
25 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 lbf	rev/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

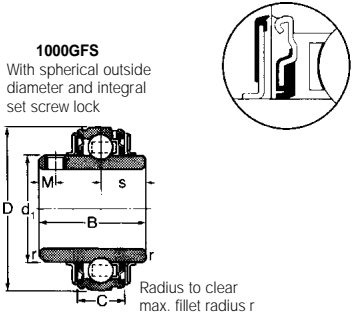
T1000DECG SERIES



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 5/16	T1050-50DECG T1050-1 7/8DECG T1050-1 5/16DECG	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 7/16	T1060-60DECG T1060-2 1/4DECG T1060-2 7/16DECG	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.

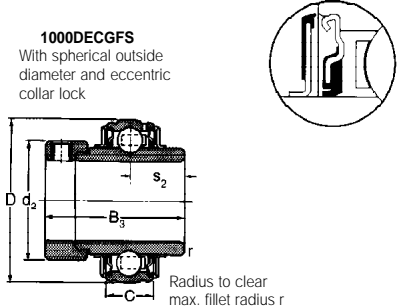
1000GFS SERIES



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 5/16 2	1050-45GFS 1050-50GFS 1050-1 11/16GFS 1050-1 3/4GFS 1050-1 7/8GFS 1050-1 5/16GFS 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 5/16 2 2 1/8 2 3/16	1055-50GFS 1055-55GFS 1055-1 7/8GFS 1055-1 5/16GFS 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.

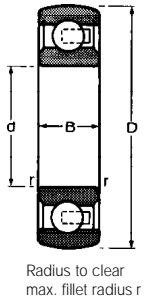
1000DECGFS SERIES



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/ min	kg lb	
25	7/8 15/16 1	1025-25DECGFS 1025-7/8DECGFS 1025-15/16DECGFS 1025-1DECGFS	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	1030-30DECGFS 1030-1 1/8DECGFS 1030-1 3/16DECGFS 1030-1 1/4DECGFS	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 5/16 1 3/8 1 7/16	1035-35DECGFS 1035-1 1/4DECGFS 1035-1 5/16DECGFS 1035-1 3/8DECGFS 1035-1 7/16DECGFS	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	1040-40DECGFS 1040-1 1/2DECGFS	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	1045-45DECGFS 1045-1 5/8DECGFS 1045-1 11/16DECGFS 1045-1 3/4DECGFS	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	1050-50DECGFS 1050-1 7/8DECGFS 1050-1 5/16DECGFS	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 2 1/8 2 3/16	1055-55DECGFS 1055-2DECGFS 1055-2 1/8DECGFS 1055-2 3/16DECGFS	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	1060-60DECGFS 1060-2 1/4DECGFS 1060-2 3/8DECGFS 1060-2 7/16DECGFS 1060-2 1/2DECGFS	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

Please check availability.

1726200-2RS SERIES
AND 1726300-2RS SERIES



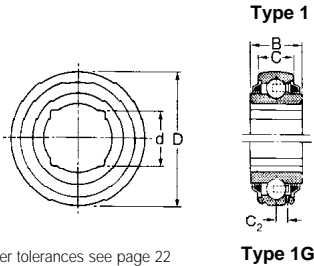
RHP designation	Dimensions				ISO load ratings		Axial load factor f ₀	Rec. max. speed	Mass (approx.)
	d	D	B	r	dynamic C _r	static C _{0r}			
	mm inches				newtons lbf	newtons lbf		rev/min	kg lb
1726203-2RS	17,000 -6693	40,000 1-5748	12,00 -472	0,60 -024	9550 2150	4760 1070	13,1	12500	0,06 0-14
1726204-2RS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

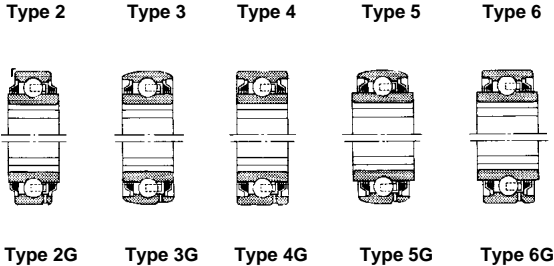
PDFN AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

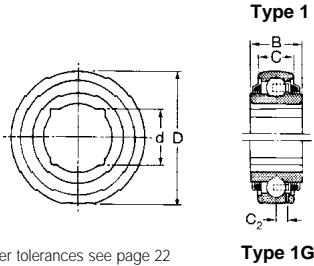
Square shaft	RHP designation		Type	Dimensions				
	spherical outside diameter	parallel outside diameter		square bore		outside diameter		
				d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
7/8	2/DNF240/7	DF140/8Y DF240/8Y 2/DF240/8 PDFNF240/8Y 1/PDNF240/8G PDF240/8Y DNF140/9 DNF240/9Y 2/DNF240/9 PDFNF240/9Y PDFNF240/9GY 1/PDNF240/9G PDF240/9Y DNF145/9Y PDFNF145/9Y PDFNF245/9Y PDFNF150/9Y	1	23,09 -909	0,20 -008	80,000 3-1496	36,51 1-438	18,00 -709
7/8	PDNF240/7Y		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		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	DF140/9Y		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	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	

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			
-	-039	6540	4020		1-39			
-	1,00	29100	1700	650	0,69			
-	-039	6540	4020		1-52			
-	1,00	29100	17900	650	0,72	W208PP6	DC208TT6	
-	-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
-244	-	6540	4020		1-75			
-	1,00	29100	17900	650	0,81	W208PP9		AS4508AD
-	-039	6540	4020		1-79			
-	-	29100	17900	650	0,59			
-	-	6540	4020		1-30			
-	-	29100	17900	650	0,58	W208PPB5	DS208TT5	AS4508BJ
-	-	6540	4020		1-28			
-	1,00	29100	17900	650	0,59			
-	-039	6540	4020		1-30			
-	-	29100	17900	650	0,58	W208PP5	DC208TT5	AS4508BH
-	-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
-244	-	6540	4020		1-66			
6,20	-	29100	17900	650	0,70	GW208PPB5	DS208TTR5	RAS4508BJ
-244	-	6540	4020		1-54			
-	1,00	29100	17900	650	0,75	WS208PP8	DC208TT8	AS4508BD
-	-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			

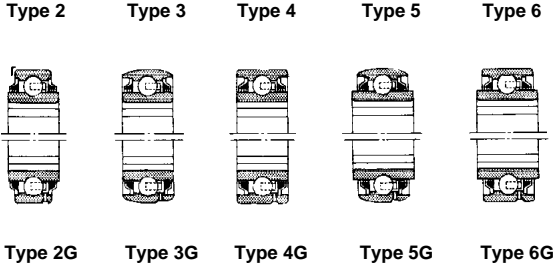
PDFN AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

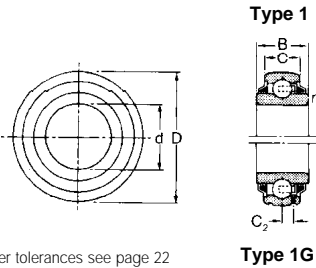
Square shaft	RHP designation		Type	Dimensions				
	spherical outside diameter	parallel outside diameter		square bore		outside diameter		
				d nominal	tolerance nominal to minus	D nominal	B	C
mm inches				mm inches				
1 1/8	PDFN150/9GY		3G	29,44	0,20	90,000	30,16	30,16
1 1/8		PDF150/9Y	4	1-159	-008	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				1-218	-008	3-3465	1-188	-866
30		DF245/9AY	2	30,94	0,20	85,000	36,51	22,00
1 1/4				1-218	-008	3-3465	1-438	-866
1 1/4	DNF145/10Y		1	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 1/4				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			

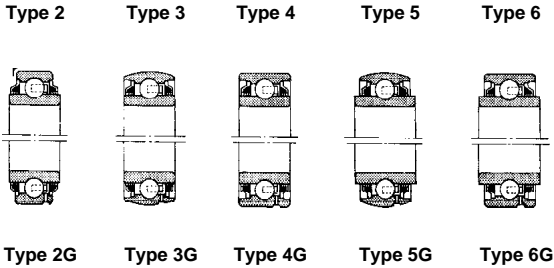
PDF AND DNF SERIES
PDF AND DF SERIES



Note: For outer ring outside diameter tolerances see page 22

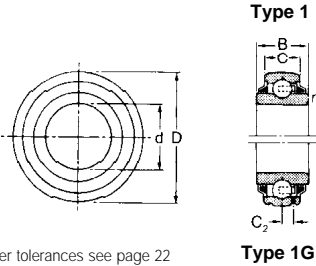
Shaft diameter	RHP designation	Type	Dimensions				
			bore diameter		outside diameter		
	spherical outside diameter	parallel outside diameter	d nominal	tolerance nominal to minus	D nominal	B	C
mm inches			mm inches				
1 3/16	2/DNF140-1 3/16	DF140-1 1/4 Y	30,176	0,013	80,000	30,16	18,00
1 3/16	PDNF-140-1 3/16 Y		1-1880	-0005	3-1496	1-188	-709
1 1/4	DNF140-1 1/4 Y		30,176	0,013	80,000	30,16	30,16
1 1/4			1-1880	-0005	3-1496	1-188	1-188
1 1/4			31,763	0,013	80,000	30,16	21,00
1 1/4			1-2505	-0005	3-1496	1-188	-827
1 1/4			31,763	0,013	80,000	30,16	21,00
1 1/4			1-2505	-0005	3-1496	1-188	-827
1 1/4	PDNF140-1 1/4 Y		31,763	0,013	80,000	30,16	30,16
1 1/4			1-2505	-0005	3-1496	1-188	1-188
1 1/2	DNF11004	36/DF140-1 1/2	38,113	0,013	80,000	42,86	21,00
1 1/2			1-5005	-0005	3-1496	1-688	-827
1 1/2			38,113	0,013	80,000	42,86	21,00
1 1/2			1-5005	-0005	3-1496	1-688	-827
1 1/2	PDNF140-1 1/2 Y		38,113	0,013	80,000	30,16	30,16
1 1/2			1-5005	-0005	3-1496	1-188	1-188
1 1/2	PDNF11016		38,113	0,013	80,000	42,86	30,16
1 1/2			1-5005	-0005	3-1496	1-688	1-188
1 1/2	28/PDNF145-1 1/2		38,990	0,250	85,000	30,16	30,16
1 1/2			1-535	-010	3-3465	1-188	1-188
1 1/2	28/PDN145-1 1/2 G	3G	38,990	0,250	85,000	30,16	30,16
40	DNF140-40GY	1G	1-535	-010	3-3465	1-188	1-188
40			40,000	0,013	80,000	30,16	21,00
40			1-5748	-0005	3-1496	1-188	-827
45	DNF145-45Y	1	45,000	0,013	85,000	30,16	22,0
45			1-7717	-0005	3-3465	1-188	-866
45	PDNF145-45Y	3	45,000	0,013	85,000	30,16	30,16
45			1-7717	-0005	3-3465	1-188	1-188
45	PDNF145-45GY	3G	45,000	0,013	85,000	30,16	30,16
45			1-7717	-0005	3-3465	1-188	1-188
45	DNF11006	1G	45,160	0,180	85,000	36,51	22,00
45			1-778	-007	3-3465	1-438	-866
1 3/4	5/PDNF150-1 3/4	3	45,340	0,250	90,000	30,16	30,16
1 3/4			1-785	-010	3-5433	1-188	1-188
1 5/16	DNF150-1 5/16 Y	1	49,225	0,013	90,000	30,16	23,00
1 5/16			1-9380	-0005	3-5433	1-188	-906
1 5/16		DF150-1 5/16 Y	49,225	0,013	90,000	30,16	23,00
1 5/16			1-9380	-0005	3-5433	1-188	-906
1 5/16	PDNF150-1 5/16 Y		49,225	0,013	90,000	30,16	30,16
1 5/16			1-9380	-0005	3-5433	1-188	1-188
1 5/16			49,225	0,013	90,000	30,16	30,16
1 5/16			1-9380	-0005	3-5433	1-188	1-188
1 5/16	PDNF150-1 5/16 GY		49,225	0,013	90,000	30,16	30,16
1 5/16			1-9380	-0005	3-5433	1-188	1-188
1 5/16			49,225	0,013	90,000	30,16	30,16
1 5/16			1-9380	-0005	3-5433	1-188	1-188
50	DNF150-50Y	1	50,000	0,013	90,000	30,16	23,00
50			1-9685	-0005	3-5433	1-188	-906
50	DNF155-50Y	1	50,000	0,013	100,000	33,34	25,00
50			1-9685	-0005	3-9730	1-312	-984

Please check availability



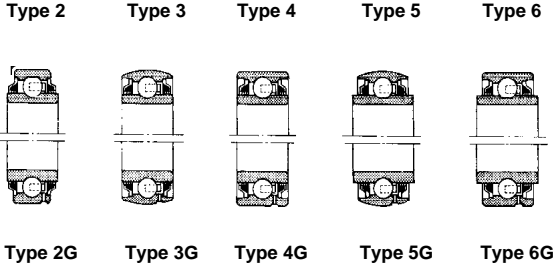
C2	r	ISO load ratings		Rec. max speed	Mass (approx.)	Interchange data		
		dynamic C _r	static C _{0r}			Fafnir	BCA	NDH
mm inches		newtons lbf	newtons lbf	rev/min	kg lb			
-	1,00	29100	17900	650	0,63	W208PPB7	DS208TT7	
-	-039	6540	4020		1-39			
-	1,00	29100	17900	650	0,71	W208PPB4	DS208TT4	
-	-039	6540	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	4610		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

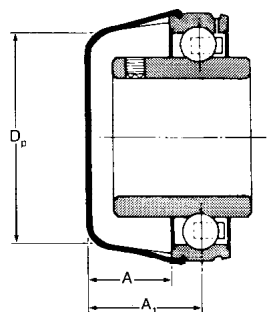


Note: For outer ring outside diameter tolerances see page 22

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			MSFT-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		
1 3/16	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 5/16	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.

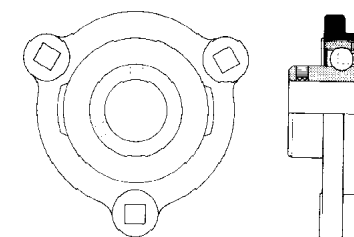
Note 1 The appropriate Protector is determined by the basic bearing insert group.

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.



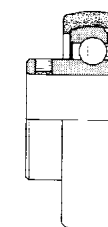
LF series

AR-A series, AR-EC series

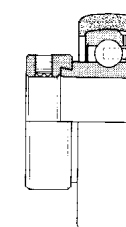
The AR series is the bearing and rubber cartridge used in the LPBR unit (Pages 78 and 79).

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

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



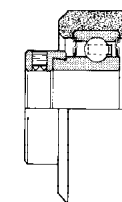
AR-A series



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

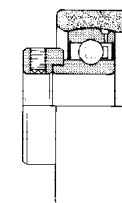
Rubber housed units suitable for the air conditioning market, two housings each with an outside diameter of 64,5mm and in bore sizes 20mm to 25mm and 3/4" to 1" are available.

Special SRC types

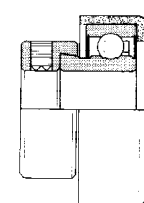
Bore sizes 20mm and 3/4".

Offered with eccentric collar lock.

(SRC11004 and SRC11005 respectively.)



SRC-EC series

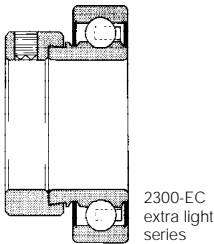


Special SRC types

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".

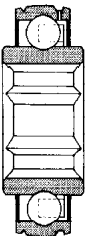


1600-G series, 1600-HG series

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.



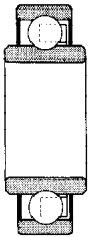
1600-G series



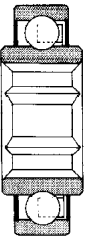
1600-HG series

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

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	11/32	0.34375 8.7312	43/64	0.671875 17.0656
	0.03125 0.7938	23/64	0.359375 9.1281	11/16	0.6875 17.4625
1/16	3/64 0.046875 1.1906		0.375 9.5250	45/64	0.703125 17.8594
	0.0625 1.5875	25/64	0.390625 9.9219	23/32	0.71875 18.2562
3/32	5/64 0.078125 1.9844	13/32	0.40625 10.3188	47/64	0.734375 18.6531
	0.09375 2.3812	27/64	0.421875 10.7156	3/4	0.75 19.0500
1/8	7/64 0.109375 2.7781		0.4375 11.1125	49/64	0.765625 19.4469
	0.125 3.1750	29/64	0.453125 11.5094	25/32	0.78125 19.8438
5/32	9/64 0.140625 3.5719	15/32	0.46875 11.9062	51/64	0.796875 20.2406
	0.15625 3.9688	31/64	0.484375 12.3031	13/16	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	27/32	0.84375 21.4312
7/32	13/64 0.203125 5.1594	17/32	0.53125 13.4938	55/64	0.859375 21.8281
	0.21875 5.5562	35/64	0.546875 13.8906	7/8	0.875 22.2250
1/4	15/64 0.234375 5.9531	9/16	0.5625 14.2875	57/64	0.890625 22.6219
	0.25 6.3500	37/64	0.578125 14.6844	29/32	0.90625 23.0188
9/32	17/64 0.265625 6.7469	19/32	0.59375 15.0812	59/64	0.921875 23.4156
	0.28125 7.1438	39/64	0.609375 15.4781	15/16	0.9375 23.8125
5/16	19/64 0.296875 7.5406	5/8	0.625 15.8750	61/64	0.953125 24.2094
	0.3125 7.9375		0.640625 16.2719	31/32	0.96875 24.6062
21/64	0.328125 8.3344	21/32	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
1/8	1/16 1.5875 26.9875	52.3875 77.7875	103.188 128.588	153.988 179.388	204.788 230.188	255.588 280.988	301.788 327.188	352.588 377.988	403.388 428.788	454.188 479.588	504.988 530.388
	3/16 3.1750 28.5750	53.9750 79.3750	104.775 130.175	155.575 180.975	206.375 231.775	257.175 282.575	307.975 333.375	358.775 384.175	409.575 434.975	460.375 485.775	511.175 536.575
1/4		6.3500 31.7500	57.1500 82.5500	107.950 133.350	158.750 184.150	209.550 234.950	260.350 285.750	311.150 336.550	361.950 387.350	412.750 438.150	463.550 488.950
	5/16 7.9375 33.3375	58.7375 84.1375	109.538 134.938	160.338 185.738	211.138 236.538	261.938 287.338	312.738 338.138	363.538 388.938	414.338 439.738	465.138 490.538	515.938 541.338
3/8		9.5250 34.9250	60.3250 85.7250	111.125 136.525	161.925 187.325	212.725 238.125	263.525 288.925	314.325 339.725	365.125 390.525	415.925 441.325	466.725 492.125
	7/16 11.1125 36.5125	61.9125 87.3125	112.712 138.112	163.512 188.912	214.312 239.712	265.112 290.512	315.912 341.312	366.712 392.112	417.512 442.912	468.312 493.712	519.112 544.512
1/2		12.7000 38.1000	63.5000 88.9000	114.300 139.700	165.100 190.500	215.900 241.300	266.700 292.100	317.500 342.900	368.300 393.700	419.100 444.500	469.900 495.300
	9/16 14.2875 39.6875	65.0875 90.4875	115.888 141.288	166.688 192.088	217.488 242.888	268.288 293.688	319.088 344.488	369.888 395.288	420.688 446.088	471.488 496.888	522.088 547.488
5/8		15.8750 41.2750	66.6750 92.0750	117.475 142.875	168.275 193.675	219.075 244.475	269.875 295.275	320.675 346.075	371.475 396.875	422.075 447.475	472.875 498.275
	11/16 17.4625 42.8625	68.2625 93.6625	119.062 144.462	169.862 195.262	220.662 246.062	271.462 296.862	322.062 347.462	372.862 398.262	423.862 449.262	474.662 499.862	524.662 550.262
3/4		19.0500 44.4500	69.8500 95.2500	120.650 146.050	171.450 196.850	222.250 247.650	273.050 298.450	323.850 349.250	374.650 399.850	425.450 450.850	476.250 501.650
	13/16 20.6375 46.0375	71.4375 96.8375	122.238 147.638	173.038 198.438	223.838 249.238	274.638 299.838	325.438 350.838	376.238 401.438	426.838 452.238	477.638 503.038	478.238 503.638
7/8		22.2250 47.6250	73.0250 98.4250	123.825 149.225	174.625 200.025	224.825 250.225	275.625 300.825	326.825 352.225	377.625 402.825	428.225 453.825	479.225 504.625
	15/16 23.8125 49.2125	74.6125 100.012	125.412 150.812	176.212 201.612	226.012 251.412	276.412 301.812	327.412 353.412	378.412 403.812	429.412 454.812	480.412 505.612	480.412 505.612

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

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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