

Please note that some of our SKF Bearing and Accessories Product Line is for indent order only. Kindly provide us with the item designation or specifications through any of our contact details.



- Message us at our website>Contact Us.
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We will reply to you the lead time and pricing soon.

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## Angular Contact Ball Bearings

Angular contact ball bearings have inner and outer ring raceways that are displaced relative to each other in the direction of the bearing axis. This means that these bearings are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads.

Sample Designations: 3206 A, 3317 A, 7207 BECBM, 5411 A



## Bearing Accessories

To complement our bearings, SKF supplies a wide assortment of bearing accessories, such as adapter sleeves, withdrawal sleeves and lock nuts.

Sample Designations: HE 313, H 2309, OH 3144 H, H 218



## Bearing Housings

An SKF Bearing housing, together with appropriate SKF bearings constitute economic, interchangeable bearing units that meet the demand for designs that are easy to maintain.

Sample Designations: SNL series, SNLN series, SONL series, SDAF series



## CARB Toroidal Roller Bearings

CARB toroidal roller bearings have one row of long, slightly barrel-shaped symmetrical rollers and torus-shaped raceway profiles. They are non-locating bearings and accommodate exclusively radial loads. CARB bearings are often used to replace the non-locating spherical roller bearing in a locating/non-locating bearing arrangement.

Sample Designations: C 2210 KTN9, C 4024 V, C 3160, C 31/600 MB



## Cylindrical Roller Bearings

SKF cylindrical roller bearings are available in many designs, series and sizes. The main design differences are the number of roller rows and the inner/outer ring flanges as well as cage designs and materials.

In sealed bearings, the rollers are protected from contaminants, water and dust, while providing lubricant retention and contaminant exclusion. This provides lower friction and longer service life.

Sample Designations: NJ 303 ECP, NCF 2230 ECJB, NU 2306 ECP



## Cylindrical Roller Thrust Bearings

SKF cylindrical roller thrust bearings are designed to accommodate heavy axial loads and impact loads. They must not be subjected to any radial load. The bearings are very stiff and require little axial space.

Sample Designations: 89309 TN, K 89314 TN, 89456 M



## Deep Groove Ball Bearings

Deep groove ball bearings are particularly versatile. They are suitable for high and very high speeds, accommodate radial and axial loads in both directions and require little maintenance. Because deep groove ball bearings are the most widely used bearing type, they are available from SKF in many designs, variants and sizes.

Sample Designations: 6207-2z, 628 /C3, 6312-2z/c3, 6201-2RsH



## Needle Roller Bearings

SKF needle roller bearings are bearings with cylindrical rollers that are small in diameter relative to their length. The modified roller/raceway profile prevents stress peaks to extend bearing service life.

Sample Designations: K 10X14X13 TN, BK 0609, RNA 4900



## Needle Roller Thrust Bearings

SKF needle roller thrust bearings are fitted with a form-stable cage to reliably retain and guide a large number of needle rollers. Needle roller thrust bearings provide a high degree of stiffness within a minimum axial space. In applications where the faces of adjacent machine components can serve as raceways, needle roller thrust bearings take up no more space than a conventional thrust washer.

Sample Designations: AXW 50, AXK 1730, AXK 130170



## Plain Bearings

Many applications require spherical bearings that are suitable for oscillating movements and that can accommodate misalignment. Rolling bearings only partly fulfil these requirements as they are generally designed for continuous rotation and can only accommodate limited misalignment. Therefore, SKF manufactures spherical plain bearings, rod ends and bushings to provide an economical solution to these challenges.

Includes: Spherical plain bearings and rod ends, Bushings, Thrust Washers and Strips



## Self-Aligning Ball Bearings

Self-aligning ball bearings have two rows of balls, a common sphered raceway in the outer ring and two deep uninterrupted raceway grooves in the inner ring. They are available open or sealed. The bearings are insensitive to angular misalignment of the shaft relative to the housing, which can be caused, for example, by shaft deflection.

Sample Designations: 2201 ETN9, 1204 EKTN9, 2217, 1320 K



## Spherical Roller Bearings

Spherical roller bearings have two rows of symmetrical rollers, a common sphered outer ring raceway and two inner ring raceways inclined at an angle to the bearing axis. The center point of the sphere in the outer ring raceway is at the bearing axis.

Sample Designations: 22205 E, 21307 CC, 23026 CCK/W33



## Spherical Roller Thrust Bearings

SKF spherical roller thrust bearings have specially designed raceways and asymmetrical rollers. The bearings can accommodate axial loads acting in one direction and simultaneously acting radial loads. The load is transmitted between the raceways via the rollers at an angle to the bearing axis, while the flange guides the rollers.

Sample Designations: 29412 E, 29248, 294/800 EF



## Thrust Ball Bearings

SKF thrust ball bearings are manufactured as single direction or double direction thrust ball bearings. They are designed to accommodate axial loads only and must not be subjected to any radial load.

Sample Designations: 51102, 51412 M, 511/600 F



## Tapered Roller Bearings

Tapered roller bearings have tapered inner and outer ring raceways as well as tapered rollers. They are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The projection lines of the raceways meet at a common point on the bearing axis to provide a true rolling action and therefore low frictional moments during operation. The axial load carrying capacity of tapered roller bearings increases with increasing contact angle  $\alpha$ . The size of the contact angle, which is usually between  $10^\circ$  and  $30^\circ$ , is related to the calculation factor  $e$ : the larger the value of  $e$ , the larger the contact angle.

Sample Designations: 30204, 33207, 567/563, BT2B 332625



## Tapered Roller Thrust Bearings

SKF tapered roller thrust bearings are designed to accommodate heavy axial loads and peak loads. The bearings are very stiff and require little axial space.

Sample Designations: BFS-8033, BFS-8054, BFS-8052



## Insert Bearings (Y-Bearings)

Insert bearings (SKF Y-bearings) are based on sealed deep groove ball bearings in the 62 and 63 series, but have a convex outer ring and in most cases an extended inner ring with a specific locking device, enabling quick and easy mounting onto the shaft.

Sample Designations: YET 203, YSA 206/25-2F, YAR 208-2F



## Super-Precision Bearings

Super Precision Bearings are very accurate types of different bearings (ex. Cylindrical roller bearing, Angular contact bearing, etc.) designed for demanding applications such as high speeds and extreme conditions.

Machine tools and other precision applications require superior bearing performance. Extended speed capability, a high degree of running accuracy, high system rigidity, low heat generation, as well as low noise and vibration levels are just some of the challenges.

Sample Designations: N 1012 KPHA/SP, NRT 120 B, 706 ACE/HCP4A

