



SKF Double-row spherical roller bearing Cylindrical bore With sealing

Spherical roller bearings have two rows of rollers, a common sphered outer ring raceway and two inner ring raceways inclined at an angle to the bearing axis. The centre point of the sphere in the outer ring raceway is at the bearing axis. Therefore, the bearings are self-aligning and insensitive to misalignment of the shaft relative to the housing, which can be caused, for example, by shaft deflection. Spherical roller bearings are designed to accommodate heavy radial loads, as well as heavy axial loads in both directions.

The assortment of standard bearings includes basic design bearings, sealed bearings, bearings for vibratory applications.

Sealed spherical roller bearings

- Sealed spherical roller bearings are available with either a cylindrical or tapered bore to suit all mounting methods. Depending on the bearing series, the tapered bore has a taper of either 1:12 [designation suffix K] or 1:30 [designation suffix K30]. The seals, specially developed for spherical roller bearings, effectively prevent contaminants from entering into the bearing. This is not only true in operation, but also during bearing installation, resulting in long service life. Sealed spherical roller bearings have a contact seal reinforced with a sheet steel insert, fitted on both sides. They can also be supplied with a seal on only one side. The bearings can be fitted with seals made of one of the following materials:
 - Nitrile butadiene rubber (NBR), designation suffix CS or RS
 - Hydrogenated Nitrile Butadiene Rubber (HNBR), designation suffix CS5 or RS5
 - Fluoro rubber (FKM), designation suffix CS2

Characteristics

Series: 240

Bore: Cylindrical bore

With sealing: Yes

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
BS2-2205-2RS/VT143	25	52	23	CN (normal)	Steel	BS2-2205-2RSVT143-SKF
BS2-2207-2RS/VT143	35	72	28	CN (normal)	Steel	BS2-2207-2RSVT143-SKF
BS2-2208-2RS/VT143	40	80	28	CN (normal)	Steel	BS2-2208-2RSVT143-SKF
BS2-2210-2RS/VT143	50	90	28	CN (normal)	Steel	BS2-2210-2RSVT143-SKF
BS2-2216-2RS/VT143	80	140	40	CN (normal)	Steel	BS2-2216-2RSVT143-SKF

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