



SKF Double-row spherical roller bearing Cylindrical bore for vibrating screens

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.

Spherical roller bearings for vibratory applications

For vibratory applications, SKF supplies spherical roller bearings with a cylindrical or tapered bore and surface-hardened stamped steel cages [designation suffix VA405]. These bearings have the same dimensions and performance characteristics as basic design bearings, but have C4 radial internal clearance as standard. Bearings for vibratory applications are also available with a PTFE coated cylindrical bore [designation suffix VA406]. These bearings are manufactured to VA405 specifications, with the exception of the bore. VA406 bearings are intended to accommodate rotating outer ring load in the non-locating bearing position. The PTFE coating prevents fretting corrosion between the shaft and the bearing bore. Therefore, shafts do not require special heat treatments or coatings. All bearings are equipped with an annular groove and three lubrication holes in the outer ring.

Characteristics

Series: 223

Bore: Cylindrical bore

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22310 E/VA405	50	110	40	C4	Steel	22310VA405-SKF
22313 E/VA405	65	140	48	C4	Steel	22313VA405-SKF
22314 E/VA405	70	150	51	C4	Steel	22314VA405-SKF
22315 EJA/VA405	75	160	55	C4	Steel	22315VA405-SKF
22320 EJA/VA405	100	215	73	C4	Steel	22320VA405-SKF
22322 EJA/VA405	110	240	80	C4	Steel	22322VA405-SKF
22324 CCJA/ W33VA406	120	260	86	CN [normal]	Steel	22324JVA406-SKF
22332 CCJA/ W33VA405	160	340	114	C4	Steel	22332VA405-SKF

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