



SKF Double-row spherical roller bearing Tapered 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: Tapered bore

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22311 EK/VA405	55	120	43	C4	Steel	23755726
22312 EK/VA405	60	130	46	C4	Steel	24002030
22313 EK/VA405	65	140	48	C4	Steel	23755738
22314 EK/VA405	70	150	51	C4	Steel	23755746
22315 EKJA/VA405	75	160	55	C4	Steel	23755754
22316 EKJA/VA405	80	170	58	C4	Steel	23755761
22317 EKJA/VA405	85	180	60	C4	Steel	23755768
22318 EKJA/VA405	90	190	64	C4	Steel	23755775
22319 EKJA/VA405	95	200	67	C4	Steel	23755782
22320 EKJA/VA405	100	215	73	C4	Steel	23755790
22322 EKJA/VA405	110	240	80	C4	Steel	23755797
22324 CCKJA/ W33VA405	120	260	86	C4	Steel	23755805
22326 CCKJA/ W33VA405	130	280	93	C4	Steel	23755814
22328 CCKJA/ W33VA405	140	300	102	C4	Steel	23755821
22330 CCKJA/ W33VA405	150	320	108	C4	Steel	23755828
22332 CCKJA/ W33VA405	160	340	114	C4	Steel	13196205
22334 CCKJA/ W33VA405	170	360	120	CN (normal)	Steel	23755839
22336 CCKJA/ W33VA405	180	380	126	C4	Steel	23755845
22338 CCKJA/ W33VA405	190	400	132	CN (normal)	Steel	13635771

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22340 CCKJA/ W33VA405	200	420	138	C4	Steel	11617111

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