



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
22308 E/VA405	40	90	33	C4	Steel	23755706
22309 E/VA405	45	100	36	C4	Steel	23755711
22310 E/VA405	50	110	40	C4	Steel	23755717
22311 E/VA405	55	120	43	C4	Steel	23755723
22312 E/VA405	60	130	46	C4	Steel	23755729
22313 E/VA405	65	140	48	C4	Steel	23755735
22314 E/VA405	70	150	51	C4	Steel	23755743
22315 EJA/VA405	75	160	55	C4	Steel	23755750
22316 EJA/VA405	80	170	58	C4	Steel	23755758
22317 EJA/C4LVA407	85	180	60	C4L	Steel	13196121
22317 EJA/VA405	85	180	60	C4	Steel	23755764
22317 EJA/VA406	85	180	60	CN [normal]	Steel	23755765
22318 EJA/VA405	90	190	64	C4	Steel	23755772
22319 EJA/C4LVA407	95	200	67	C4L	Steel	13196129
22319 EJA/VA405	95	200	67	C4	Steel	23755779
22319 EWJA/VA405	95	200	67	CN [normal]	Steel	13196130
22320 EJA/VA406	100	215	73	C4	Steel	24002037
22320 EJA/VA405	100	215	73	C4	Steel	23755786
22322 EJA/VA405	110	240	80	C4	Steel	23755794
22322 EJA/VA406	110	240	80	C4	Steel	24002039
22324 CCJA/W33VA406	120	260	86	C4	Steel	23755801
22324 CCJA/W33VA405	120	260	86	C4	Steel	23755800

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22326 CCJA/ C3W33VA407	130	280	93	C3	Steel	13196173
22326 CCJA/ W33VA405	130	280	93	C4	Steel	23755810
22326 CCJA/ W33VA406	130	280	93	C4	Steel	23755811
22326 CCJA/ S4W33VA405	130	280	93	CN (normal)	Steel	13196174
22328 CCJA/ W33VA405	140	300	102	C4	Steel	23755818
22328 CCJA/ W33VA406	140	300	102	CN (normal)	Steel	13196185
22330 CCJA/ W33VA406	150	320	108	C4	Steel	23755825
22330 CCJA/ W33VA405	150	320	108	C4	Steel	23755824
22332 CCJA/ W33VA405	160	340	114	C4	Steel	23755831
22332 CCJA/ W33VA406	160	340	114	CN (normal)	Steel	13196203
22334 CCJA/ W33VA405	170	360	120	C4	Steel	23755836
22334 CCJA/ W33VA406	170	360	120	CN (normal)	Steel	13196210
22336 CCJA/ W33VA405	180	380	126	C4	Steel	23755842
22336 CCJA/ W33VA406	180	380	126	CN (normal)	Steel	13196215
22338 CCJA/ W33VA406	190	400	132	C4	Steel	23755849
22338 CCJA/ W33VA405	190	400	132	C4	Steel	23755848
22340 CCJA/ W33VA405	200	420	138	C4	Steel	23755855
22340 CCJA/ W33VA406	200	420	138	CN (normal)	Steel	12467725

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