



SKF Double-row spherical roller bearing Tapered 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: [ul2]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: 223

Bore: Tapered bore

With sealing: Yes

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
BS2-2208-2RSK/VT143	40	80	28	CN [normal]	Steel	13199502
BS2-2209-2RSK/VT143	45	85	28	CN [normal]	Steel	13199505
BS2-2210-2RSK/VT143	50	90	28	CN [normal]	Steel	23760282
BS2-2211-2RSK/VT143	55	100	31	CN [normal]	Steel	12950525
BS2-2212-2RSK/VT143	60	110	34	CN [normal]	Steel	13161858
BS2-2213-2RSK/VT143	65	120	38	CN [normal]	Steel	12989217
BS2-2214-2RSK/VT143	70	125	38	CN [normal]	Steel	12983070
BS2-2215-2RSK/VT143	75	130	38	CN [normal]	Steel	12950528
BS2-2315-2RSK/VT143	75	160	64	CN [normal]	Steel	13529997
BS2-2216-2RSK/VT143	80	140	40	CN [normal]	Steel	12950533
BS2-2217-2RSK/VT143	85	150	44	CN [normal]	Steel	13529958
BS2-2218-2RSK/ C3VT143	90	160	48	C3	Steel	13529963
BS2-2218-2RSK/VT143	90	160	48	CN [normal]	Steel	12983071
BS2-2318-2RS5K/VT143	90	190	73	CN [normal]	Steel	13530001
BS2-2220-2RS5K/ C3VT143	100	180	55	C3	Steel	13529968
BS2-2220-2RS5K/ VT143	100	180	55	CN [normal]	Steel	13529969
23122-2CS5K/VT143	110	180	56	CN [normal]	Steel	13196340
BS2-2222-2RS5K/VT143	110	200	63	CN [normal]	Steel	13189987
23222-2CS5K/VT143	110	200	69.8	CN [normal]	Steel	13196440

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
BS2-2224-2RS5K/VT143	120	215	69	CN (normal)	Steel	13213522
23224-2CS5K/VT143	120	215	76	CN (normal)	Steel	13196452
22324-2CS5K/VT143	120	260	86	CN (normal)	Steel	13196166
23026-2CS5K/VT143	130	200	52	CN (normal)	Steel	13196234
BS2-2226-2CS5K/VT143	130	230	75	CN (normal)	Steel	13199527
23226-2CS5K/VT143	130	230	80	CN (normal)	Steel	13196464
22326-2CS5K/VT143	130	280	93	CN (normal)	Steel	13196179
23028-2CS5K/VT143	140	210	53	CN (normal)	Steel	12229285
22228-2CS5K/VT143	140	250	68	CN (normal)	Steel	13196054
23228-2CS5K/VT143	140	250	88	CN (normal)	Steel	13196470
22328-2CS5K/VT143	140	300	102	CN (normal)	Steel	13196188
23030-2CS5K/VT143	150	225	56	CN (normal)	Steel	13196247
23130-2CS5K/VT143	150	250	80	CN (normal)	Steel	13196361
24130-2CS5K30/VT143	150	250	100	CN (normal)	Steel	13196654
22230-2CS5K/VT143	150	270	73	CN (normal)	Steel	13196063
22330-2CS5K/VT143	150	320	108	CN (normal)	Steel	13196201
23032-2CS5K/VT143	160	240	60	CN (normal)	Steel	13196253
22232-2CS5K/VT143	160	290	80	CN (normal)	Steel	13196074
22332-2CS5K/VT143	160	340	114	CN (normal)	Steel	13196207
23034-2CS5K/VT143	170	260	67	CN (normal)	Steel	13196262
23134-2CS5K/VT143	170	280	88	CN (normal)	Steel	13145216
22234-2CS5K/VT143	170	310	86	CN (normal)	Steel	12951328
23036-2CS5K/VT143	180	280	74	CN (normal)	Steel	13196269
23136-2CS5K/VT143	180	300	96	CN (normal)	Steel	13196384
22236-2CS5K/VT143	180	320	86	CN (normal)	Steel	12121539
23138-2CS5K/VT143	190	320	104	CN (normal)	Steel	13196390
22238-2CS5K/VT143	190	340	92	CN (normal)	Steel	12121541
23140-2CS5K/VT143	200	340	112	CN (normal)	Steel	13196402
22240-2CS5K/VT143	200	360	98	CN (normal)	Steel	12121543
23240-2CS5K/VT143	200	360	128	CN (normal)	Steel	13196502
23044-2CS5K/VT143	220	340	90	CN (normal)	Steel	13529449
23144-2CS5K/VT143	220	370	120	CN (normal)	Steel	13196409
22244-2CS5K/VT143	220	400	108	CN (normal)	Steel	12121545
23048-2CS5K/VT143	240	360	92	CN (normal)	Steel	12121555
23148-2CS5K/VT143	240	400	128	CN (normal)	Steel	13196418
23052-2CS5K/VT143	260	400	104	CN (normal)	Steel	12121557

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