



SKF Double-row spherical roller bearing Tapered bore

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 without seals

Open 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]. To facilitate efficient lubrication, most bearings are provided with an annular groove and three lubrication holes in the outer ring.

Characteristics

Series: 213

Bore: Tapered bore

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22205 EK	25	52	18	CN (normal)	Steel	22205K-SKF
22206 EK	30	62	20	CN (normal)	Steel	22206K-SKF
22207 EK/C3	35	72	23	C3	Steel	22207KC3-SKF
22207 EK	35	72	23	CN (normal)	Steel	22207K-SKF
22208 EK/C3	40	80	23	C3	Steel	22208KC3-SKF
22208 EK	40	80	23	CN (normal)	Steel	22208K-SKF
22308 EK	40	90	33	CN (normal)	Steel	22308K-SKF
22209 EK/C3	45	85	23	C3	Steel	22209KC3-SKF
22209 EK	45	85	23	CN (normal)	Steel	22209K-SKF
22309 EK/C3	45	100	36	C3	Steel	22309KC3-SKF
22210 EK/C3	50	90	23	C3	Steel	22210KC3-SKF
22210 EK	50	90	23	CN (normal)	Steel	22210K-SKF
22310 EK/C3	50	110	40	C3	Steel	22310KC3-SKF
22310 EK	50	110	40	CN (normal)	Steel	22310K-SKF
22211 EK/C3	55	100	25	C3	Steel	22211KC3-SKF
22211 EK	55	100	25	CN (normal)	Steel	22211K-SKF
22311 EK/C3	55	120	43	C3	Steel	22311KC3-SKF
22311 EK	55	120	43	CN (normal)	Steel	22311K-SKF
22212 EK/C3	60	110	28	C3	Steel	22212KC3-SKF
22212 EK	60	110	28	CN (normal)	Steel	22212K-SKF
21312 EK/C3	60	130	31	C3	Steel	21312KC3-SKF
21312 EK	60	130	31	CN (normal)	Steel	21312K-SKF
22312 EK/C3	60	130	46	C3	Steel	22312KC3-SKF
22312 EK	60	130	46	CN (normal)	Steel	22312K-SKF
22213 EK/C3	65	120	31	C3	Steel	22213KC3-SKF
22213 EK	65	120	31	CN (normal)	Steel	22213K-SKF
21313 EK	65	140	33	CN (normal)	Steel	21313K-SKF
22313 EK/C3	65	140	48	C3	Steel	22313KC3-SKF
22313 EK	65	140	48	CN (normal)	Steel	22313K-SKF
22214 EK/C3	70	125	31	C3	Steel	22214KC3-SKF

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22314 EK/C3	70	150	51	C3	Steel	22314KC3-SKF
22215 EK/C3	75	130	31	C3	Steel	22215KC3-SKF
22215 EK	75	130	31	CN (normal)	Steel	22215K-SKF
22315 EK/C3	75	160	55	C3	Steel	22315KC3-SKF
22315 EK	75	160	55	CN (normal)	Steel	22315K-SKF
22216 EK/C3	80	140	33	C3	Steel	22216KC3-SKF
22216 EK	80	140	33	CN (normal)	Steel	22216K-SKF
21316 EK	80	170	39	CN (normal)	Steel	21316K-SKF
22316 EK/C3	80	170	58	C3	Steel	22316KC3-SKF
22316 EK	80	170	58	CN (normal)	Steel	22316K-SKF
22217 EK/C3	85	150	36	C3	Steel	22217KC3-SKF
22217 EK/C4	85	150	36	C4	Steel	22217KC4-SKF
22217 EK	85	150	36	CN (normal)	Steel	22217K-SKF
22317 EK/C3	85	180	60	C3	Steel	22317KC3-SKF
22317 EK	85	180	60	CN (normal)	Steel	22317K-SKF
22218 EK/C3	90	160	40	C3	Steel	22218KC3-SKF
22218 EK	90	160	40	CN (normal)	Steel	22218K-SKF
23218 CCK/C3W33	90	160	52.4	C3	Steel	23218KC3-SKF
23218 CCK/W33	90	160	52.4	CN (normal)	Steel	23218K-SKF
22318 EK/C3	90	190	64	C3	Steel	22318KC3-SKF
22318 EK	90	190	64	CN (normal)	Steel	22318K-SKF
22219 EK/C3	95	170	43	C3	Steel	22219KC3-SKF
22219 EK	95	170	43	CN (normal)	Steel	22219K-SKF
22319 EK/C3	95	200	67	C3	Steel	22319KC3-SKF
22319 EK	95	200	67	CN (normal)	Steel	22319K-SKF
22220 EK/C3	100	180	46	C3	Steel	22220KC3-SKF
22220 EK	100	180	46	CN (normal)	Steel	22220K-SKF
23220 CCK/C3W33	100	180	60.3	C3	Steel	23220KC3-SKF
23220 CCK/W33	100	180	60.3	CN (normal)	Steel	23220K-SKF
21320 EK/C3	100	215	47	C3	Steel	21320KC3-SKF
22320 EK/C3	100	215	73	C3	Steel	22320KC3-SKF
22320 EK	100	215	73	CN (normal)	Steel	22320K-SKF
23122 CCK/C3W33	110	180	56	C3	Steel	23122KC3-SKF
23122 CCK/W33	110	180	56	CN (normal)	Steel	23122K-SKF
24122 CCK30/W33	110	180	69	CN (normal)	Steel	24122K30-SKF
22222 EK/C3	110	200	53	C3	Steel	22222KC3-SKF
22222 EK	110	200	53	CN (normal)	Steel	22222K-SKF
23222 CCK/C3W33	110	200	69.8	C3	Steel	23222KC3-SKF
23222 CCK/W33	110	200	69.8	CN (normal)	Steel	23222K-SKF
22322 EK/C3	110	240	80	C3	Steel	22322KC3-SKF
22322 EK	110	240	80	CN (normal)	Steel	22322K-SKF
23024 CCK/W33	120	180	46	CN (normal)	Steel	23024K-SKF
23124 CCK/W33	120	200	62	CN (normal)	Steel	23124K-SKF
22224 EK/C3	120	215	58	C3	Steel	22224KC3-SKF
22224 EK	120	215	58	CN (normal)	Steel	22224K-SKF
23224 CCK/C3W33	120	215	76	C3	Steel	23224KC3-SKF
23224 CCK/W33	120	215	76	CN (normal)	Steel	23224K-SKF
24026 CCK30/W33	130	200	69	CN (normal)	Steel	24026K30-SKF
23126 CCK/C3W33	130	210	64	C3	Steel	23126KC3-SKF
24126 CCK30/W33	130	210	80	CN (normal)	Steel	24126K30-SKF
22226 EK/C3	130	230	64	C3	Steel	22226KC3-SKF
22226 EK	130	230	64	CN (normal)	Steel	22226K-SKF
23226 CCK/W33	130	230	80	CN (normal)	Steel	23226K-SKF

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
23028 CCK/W33	140	210	53	CN (normal)	Steel	23028K-SKF
23128 CCK/C3W33	140	225	68	C3	Steel	23128KC3-SKF
22228 CCK/C3W33	140	250	68	C3	Steel	22228KC3-SKF
22228 CCK/W33	140	250	68	CN (normal)	Steel	22228K-SKF
23228 CCK/C3W33	140	250	88	C3	Steel	23228KC3-SKF
23228 CCK/W33	140	250	88	CN (normal)	Steel	23228K-SKF
23030 CCK/C3W33	150	225	56	C3	Steel	23030KC3-SKF
22230 CCK/C3W33	150	270	73	C3	Steel	22230KC3-SKF
22230 CCK/W33	150	270	73	CN (normal)	Steel	22230K-SKF
23230 CCK/W33	150	270	96	CN (normal)	Steel	23230K-SKF
23032 CCK/C3W33	160	240	60	C3	Steel	23032KC3-SKF
23032 CCK/W33	160	240	60	CN (normal)	Steel	23032K-SKF
23132 CCK/C3W33	160	270	86	C3	Steel	23132KC3-SKF
23132 CCK/W33	160	270	86	CN (normal)	Steel	23132K-SKF
22232 CCK/C3W33	160	290	80	C3	Steel	22232KC3-SKF
22232 CCK/W33	160	290	80	CN (normal)	Steel	22232K-SKF
23232 CCK/C3W33	160	290	104	C3	Steel	23232KC3-SKF
23134 CCK/C3W33	170	280	88	C3	Steel	23134KC3-SKF
23134 CCK/W33	170	280	88	CN (normal)	Steel	23134K-SKF
24134 CCK30/W33	170	280	109	CN (normal)	Steel	24134K30-SKF
23234 CCK/C3W33	170	310	110	C3	Steel	23234KC3-SKF
23234 CCK/W33	170	310	110	CN (normal)	Steel	23234K-SKF
23136 CCK/C3W33	180	300	96	C3	Steel	23136KC3-SKF
23136 CCK/W33	180	300	96	CN (normal)	Steel	23136K-SKF
22236 CCK/C3W33	180	320	86	C3	Steel	22236KC3-SKF
22336 CCK/C3W33	180	380	126	C3	Steel	22336KC3-SKF
23138 CCK/C4W33	190	320	104	C4	Steel	23138KC4-SKF
23238 CCK/C3W33	190	340	120	C3	Steel	23238KC3-SKF
23040 CCK/C3W33	200	310	82	C3	Steel	23040KC3-SKF
23040 CCK/C4W33	200	310	82	C4	Steel	23040KC4-SKF
24040 CCK30/W33	200	310	109	CN (normal)	Steel	24040K30-SKF
23140 CCK/C3W33	200	340	112	C3	Steel	23140KC3-SKF
23140 CCK/W33	200	340	112	CN (normal)	Steel	23140K-SKF
24044 CCK30/W33	220	340	118	CN (normal)	Steel	24044K30-SKF
23144 CCK/C3W33	220	370	120	C3	Steel	23144KC3-SKF
23144 CCK/ HA3C4W33	220	370	120	C4	Steel	23144KC4HA3-SKF
23144 CCK/C4W33	220	370	120	C4	Steel	23144KC4-SKF
23148 CCK/C3W33	240	400	128	C3	Steel	23148KC3-SKF
23148 CCK/W33	240	400	128	CN (normal)	Steel	23148K-SKF
23152 CCK/C3W33	260	440	144	C3	Steel	23152KC3-SKF
23152 CCK/C4W33	260	440	144	C4	Steel	23152KC4-SKF
23152 CCK/W33	260	440	144	CN (normal)	Steel	23152K-SKF

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