



SKF Double-row spherical roller bearing Cylindrical 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: Cylindrical bore

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22205 E/C3	25	52	18	C3	Steel	22205C3-SKF
22205 E	25	52	18	CN (normal)	Steel	22205-SKF
21305 CC	25	62	17	CN (normal)	Steel	21305-SKF
22206 E/C3	30	62	20	C3	Steel	22206C3-SKF
22206 E	30	62	20	CN (normal)	Steel	22206-SKF
21306 CC	30	72	19	CN (normal)	Steel	21306-SKF
22207 E/C3	35	72	23	C3	Steel	22207C3-SKF
22207 E	35	72	23	CN (normal)	Steel	22207-SKF
21307 CC/C3	35	80	21	C3	Steel	21307C3-SKF
21307 CC	35	80	21	CN (normal)	Steel	21307-SKF
22208 E/C3	40	80	23	C3	Steel	22208C3-SKF
22208 E	40	80	23	CN (normal)	Steel	22208-SKF
21308 E	40	90	23	CN (normal)	Steel	21308-SKF
22308 E/C3	40	90	33	C3	Steel	22308C3-SKF
22308 E	40	90	33	CN (normal)	Steel	22308-SKF
22209 E/C3	45	85	23	C3	Steel	22209C3-SKF
22209 E/C4	45	85	23	C4	Steel	22209C4-SKF
22209 E	45	85	23	CN (normal)	Steel	22209-SKF
21309 E/C3	45	100	25	C3	Steel	21309C3-SKF
21309 E	45	100	25	CN (normal)	Steel	21309-SKF
22309 E/C3	45	100	36	C3	Steel	22309C3-SKF
22309 E	45	100	36	CN (normal)	Steel	22309-SKF
22210 E/C3	50	90	23	C3	Steel	22210C3-SKF
22210 E	50	90	23	CN (normal)	Steel	22210-SKF
21310 E/C3	50	110	27	C3	Steel	21310C3-SKF
21310 E	50	110	27	CN (normal)	Steel	21310-SKF
22310 E/C3	50	110	40	C3	Steel	22310C3-SKF
22310 E	50	110	40	CN (normal)	Steel	22310-SKF
22211 E/C3	55	100	25	C3	Steel	22211C3-SKF

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Spherical Roller Bearings | Double Row Spherical Roller Bearings

Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Cage	Article
	mm	mm	mm			
22211 E/C4	55	100	25	C4	Steel	22211C4-SKF
22211 E	55	100	25	CN (normal)	Steel	22211-SKF
21311 E/C3	55	120	29	C3	Steel	21311C3-SKF
21311 E	55	120	29	CN (normal)	Steel	21311-SKF
22311 E/C3	55	120	43	C3	Steel	22311C3-SKF
22311 E	55	120	43	CN (normal)	Steel	22311-SKF
22212 E/C3	60	110	28	C3	Steel	22212C3-SKF
22212 E/C4	60	110	28	C4	Steel	22212C4-SKF
22212 E	60	110	28	CN (normal)	Steel	22212-SKF
21312 E/C3	60	130	31	C3	Steel	21312C3-SKF
21312 E	60	130	31	CN (normal)	Steel	21312-SKF
22312 E/C3	60	130	46	C3	Steel	22312C3-SKF
22312 E	60	130	46	CN (normal)	Steel	22312-SKF
22213 E/C3	65	120	31	C3	Steel	22213C3-SKF
22213 E	65	120	31	CN (normal)	Steel	22213-SKF
21313 E	65	140	33	CN (normal)	Steel	21313-SKF
22313 E/C3	65	140	48	C3	Steel	22313C3-SKF
22313 E	65	140	48	CN (normal)	Steel	22313-SKF
22214 E/C3	70	125	31	C3	Steel	22214C3-SKF
22214 E	70	125	31	CN (normal)	Steel	22214-SKF
21314 E	70	150	35	CN (normal)	Steel	21314-SKF
22314 E/C3	70	150	51	C3	Steel	22314C3-SKF
22314 E/C4	70	150	51	C4	Steel	22314C4-SKF
22314 E	70	150	51	CN (normal)	Steel	22314-SKF
22215 E/C3	75	130	31	C3	Steel	22215C3-SKF
22215 E/C4	75	130	31	C4	Steel	22215C4-SKF
22215 E	75	130	31	CN (normal)	Steel	22215-SKF
21315 E	75	160	37	CN (normal)	Steel	21315-SKF
22315 E/C3	75	160	55	C3	Steel	22315C3-SKF
22315 E	75	160	55	CN (normal)	Steel	22315-SKF
22216 E/C3	80	140	33	C3	Steel	22216C3-SKF
22216 E	80	140	33	CN (normal)	Steel	22216-SKF
21316 E	80	170	39	CN (normal)	Steel	21316-SKF
22316 E/C3	80	170	58	C3	Steel	22316C3-SKF
22316 E	80	170	58	CN (normal)	Steel	22316-SKF
22217 E/C3	85	150	36	C3	Steel	22217C3-SKF
22217 E	85	150	36	CN (normal)	Steel	22217-SKF
21317 E	85	180	41	CN (normal)	Steel	21317-SKF
22317 E	85	180	60	CN (normal)	Steel	22317-SKF
22218 E/C3	90	160	40	C3	Steel	22218C3-SKF
22218 E	90	160	40	CN (normal)	Steel	22218-SKF
23218 CC/W33	90	160	52.4	CN (normal)	Steel	23218-SKF
22318 E/C3	90	190	64	C3	Steel	22318C3-SKF
22318 E	90	190	64	CN (normal)	Steel	22318-SKF
22219 E/C3	95	170	43	C3	Steel	22219C3-SKF
22219 E	95	170	43	CN (normal)	Steel	22219-SKF
22319 E/C3	95	200	67	C3	Steel	22319C3-SKF
22319 E	95	200	67	CN (normal)	Steel	22319-SKF
24020 CC/W33	100	150	50	CN (normal)	Steel	24020-SKF
23120 CC/C3W33	100	165	52	C3	Steel	23120C3-SKF
23120 CC/W33	100	165	52	CN (normal)	Steel	23120-SKF
22220 E/C3	100	180	46	C3	Steel	22220C3-SKF
22220 E	100	180	46	CN (normal)	Steel	22220-SKF

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Spherical Roller Bearings | Double Row Spherical Roller Bearings

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
23220 CC/C3W33	100	180	60.3	C3	Steel	23220C3-SKF
23220 CC/C4W33	100	180	60.3	C4	Steel	23220C4-SKF
23220 CC/W33	100	180	60.3	CN (normal)	Steel	23220-SKF
21320 E/C3	100	215	47	C3	Steel	21320C3-SKF
22320 E/C3	100	215	73	C3	Steel	22320C3-SKF
22320 E/C4	100	215	73	C4	Steel	22320C4-SKF
22320 E	100	215	73	CN (normal)	Steel	22320-SKF
23022 CC/C3W33	110	170	45	C3	Steel	23022C3-SKF
23022 CC/W33	110	170	45	CN (normal)	Steel	23022-SKF
23122 CC/C3W33	110	180	56	C3	Steel	23122C3-SKF
23122 CC/W33	110	180	56	CN (normal)	Steel	23122-SKF
24122 CC/C3W33	110	180	69	C3	Steel	24122C3-SKF
24122 CC/W33	110	180	69	CN (normal)	Steel	24122-SKF
22222 E/C3	110	200	53	C3	Steel	22222C3-SKF
22222 E	110	200	53	CN (normal)	Steel	22222-SKF
23222 CC/W33	110	200	69.8	CN (normal)	Steel	23222-SKF
22322 E/C3	110	240	80	C3	Steel	22322C3-SKF
23024 CC/C3W33	120	180	46	C3	Steel	23024C3-SKF
23024 CC/W33	120	180	46	CN (normal)	Steel	23024-SKF
23124 CC/C3W33	120	200	62	C3	Steel	23124C3-SKF
23124 CC/W33	120	200	62	CN (normal)	Steel	23124-SKF
22224 E/C3	120	215	58	C3	Steel	22224C3-SKF
22224 E/C4	120	215	58	C4	Steel	22224C4-SKF
22224 E	120	215	58	CN (normal)	Steel	22224-SKF
23224 CC/W33	120	215	76	CN (normal)	Steel	23224-SKF
22324 CC/C3W33	120	260	86	C3	Steel	22324C3-SKF
22324 CC/W33	120	260	86	CN (normal)	Steel	22324-SKF
23026 CC/W33	130	200	52	CN (normal)	Steel	23026-SKF
24026 CC/W33	130	200	69	CN (normal)	Steel	24026-SKF
24126 CC/W33	130	210	80	CN (normal)	Steel	24126-SKF
22226 E/C3	130	230	64	C3	Steel	22226C3-SKF
22226 E	130	230	64	CN (normal)	Steel	22226-SKF
23226 CC/C3W33	130	230	80	C3	Steel	23226C3-SKF
23226 CC/W33	130	230	80	CN (normal)	Steel	23226-SKF
22326 CC/W33	130	280	93	CN (normal)	Steel	22326-SKF
23028 CC/C3W33	140	210	53	C3	Steel	23028C3-SKF
23028 CC/W33	140	210	53	CN (normal)	Steel	23028-SKF
24028 CC/W33	140	210	69	CN (normal)	Steel	24028-SKF
23128 CC/W33	140	225	68	CN (normal)	Steel	23128-SKF
24128 CC/W33	140	225	85	CN (normal)	Steel	24128-SKF
22228 CC/C3W33	140	250	68	C3	Steel	22228C3-SKF
22228 CC/W33	140	250	68	CN (normal)	Steel	22228-SKF
23228 CC/W33	140	250	88	CN (normal)	Steel	23228-SKF
22328 CC/C3W33	140	300	102	C3	Steel	22328C3-SKF
23030 CC/W33	150	225	56	CN (normal)	Steel	23030-SKF
24030 CC/W33	150	225	75	CN (normal)	Steel	24030-SKF
23130 CC/C3W33	150	250	80	C3	Steel	23130C3-SKF
23130 CC/W33	150	250	80	CN (normal)	Steel	23130-SKF
22230 CC/C3W33	150	270	73	C3	Steel	22230C3-SKF
22230 CC/W33	150	270	73	CN (normal)	Steel	22230-SKF
23230 CC/W33	150	270	96	CN (normal)	Steel	23230-SKF
23032 CC/C3W33	160	240	60	C3	Steel	23032C3-SKF
23032 CC/W33	160	240	60	CN (normal)	Steel	23032-SKF

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24032 CC/W33	160	240	80	CN (normal)	Steel	24032-SKF
23132 CC/C3W33	160	270	86	C3	Steel	23132C3-SKF
24132 CC/C3W33	160	270	109	C3	Steel	24132C3-SKF
22232 CC/C3W33	160	290	80	C3	Steel	22232C3-SKF
22232 CC/W33	160	290	80	CN (normal)	Steel	22232-SKF
23232 CC/C3W33	160	290	104	C3	Steel	23232C3-SKF
23232 CC/W33	160	290	104	CN (normal)	Steel	23232-SKF
22332 CC/W33	160	340	114	CN (normal)	Steel	22332-SKF
23034 CC/C3W33	170	260	67	C3	Steel	23034C3W33-SKF
24034 CC/W33	170	260	90	CN (normal)	Steel	24034-SKF
22234 CC/C3W33	170	310	86	C3	Steel	22234C3-SKF
22234 CC/W33	170	310	86	CN (normal)	Steel	22234-SKF
22334 CC/C3W33	170	360	120	C3	Steel	22334C3-SKF
23036 CC/C3W33	180	280	74	C3	Steel	23036C3-SKF
24036 CC/W33	180	280	100	CN (normal)	Steel	24036-SKF
23236 CC/C3W33	180	320	112	C3	Steel	23236C3-SKF
23038 CC/W33	190	290	75	CN (normal)	Steel	23038-SKF
24038 CC/C3W33	190	290	100	C3	Steel	24038C3-SKF
24038 CC/W33	190	290	100	CN (normal)	Steel	24038-SKF
24138 CC/W33	190	320	128	CN (normal)	Steel	24138-SKF
22238 CC/C3W33	190	340	92	C3	Steel	22238C3-SKF
23040 CC/C3W33	200	310	82	C3	Steel	23040C3-SKF
23040 CC/W33	200	310	82	CN (normal)	Steel	23040-SKF
22240 CC/W33	200	360	98	CN (normal)	Steel	22240-SKF
23044 CC/C3W33	220	340	90	C3	Steel	23044C3-SKF
24044 CC/C3W33	220	340	118	C3	Steel	24044C3-SKF
23144 CC/C3W33	220	370	120	C3	Steel	23144C3-SKF
23148 CC/C3W33	240	400	128	C3	Steel	23148C3-SKF
23148 CC/W33	240	400	128	CN (normal)	Steel	23148-SKF
23248 CC/C3W33	240	440	160	C3	Steel	23248C3-SKF
23152 CC/C3W33	260	440	144	C3	Steel	23152C3-SKF
23960 CC/C3W33	300	420	90	C3	Steel	23960C3-SKF

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