



SKF Double-row spherical roller bearing Cylindrical bore Solid Oil

Spherical roller bearings have two rows of rollers, a common spherically ground 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.

Spherical roller bearings with Solid Oil

Solid Oil bearings are designed for relubrication-free operation and are ideal for use in applications where high levels of moisture and incidental contact with water and other contaminants are real issues. These bearings are lubricated with oil encapsulated in a polymer. During operation, the oil is continuously released to lubricate the bearing. Bearings with Solid Oil are lubricated for the life of the bearing and cannot be relubricated. Solid Oil bearings may operate in temperatures of up to 85°C and at moderate speeds.

Solid Oil variants

Standard variant [designation suffix W64] contains a high-quality synthetic oil meets the needs of most applications.

Food-grade variant [designation suffix W64F] contains an oil registered by NSF as a category H1 meets the needs of food applications.

Characteristics

Series: 213

Bore: Cylindrical bore

With sealing: No

Application

- Recommended in: Food & Beverages

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
22205/20 E/W64	20	52	18	CN [normal]	Steel	13195944
22205 E/C3W64	25	52	18	C3	Steel	13195940
22205 E/W64F	25	52	18	CN [normal]	Steel	13195942
22205 E/W64	25	52	18	CN [normal]	Steel	13195941
22206 E/C3W64	30	62	20	C3	Steel	13195945
22206 E/W64F	30	62	20	CN [normal]	Steel	13195950
22206 E/W64	30	62	20	CN [normal]	Steel	13195948
21306 CC/W64	30	72	19	CN [normal]	Steel	13195866
22207 E/W64	35	72	23	CN [normal]	Steel	13195953
21307 CC/W64	35	80	21	CN [normal]	Steel	13195868
22208 E/C3W64	40	80	23	C3	Steel	13195955
22208 E/W64	40	80	23	CN [normal]	Steel	23755550
21308 EW/W64	40	90	23	CN [normal]	Steel	13195869
22308 E/C3W64	40	90	33	C3	Steel	13196090
22308 E/W64	40	90	33	CN [normal]	Steel	12968627
22209 E/C3W64	45	85	23	C3	Steel	13195957
22209 E/W64	45	85	23	CN [normal]	Steel	13195958
22309 E/W64	45	100	36	CN [normal]	Steel	13196095
22210 E/W64	50	90	23	CN [normal]	Steel	12717234

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
21310 E/W64	50	110	27	CN (normal)	Steel	13195873
22310 E/C3W64	50	110	40	C3	Steel	13196097
22310 E/W64	50	110	40	CN (normal)	Steel	12427771
22211 E/C3W64	55	100	25	C3	Steel	13195965
22211 E/W64	55	100	25	CN (normal)	Steel	13195967
21311 E/W64	55	120	29	CN (normal)	Steel	13195874
22311 E/W64	55	120	43	CN (normal)	Steel	13196101
22212 E/C3W64	60	110	28	C3	Steel	13195974
22212 E/W64	60	110	28	CN (normal)	Steel	23755572
21312 E/W64	60	130	31	CN (normal)	Steel	13195875
22312 E/C3W64	60	130	46	C3	Steel	13196105
22312 E/W64	60	130	46	CN (normal)	Steel	13196106
22213 E/C3W64	65	120	31	C3	Steel	13195978
22213 E/W64	65	120	31	CN (normal)	Steel	13195979
21313 E/C3W64	65	140	33	C3	Steel	13195876
21313 E/W64	65	140	33	CN (normal)	Steel	13195877
22214 E/W64	70	125	31	CN (normal)	Steel	13195982
21314 E/W64	70	150	35	CN (normal)	Steel	13195879
22314 E/C3W64	70	150	51	C3	Steel	13196109
22314 E/W64	70	150	51	CN (normal)	Steel	13196111
22215 E/C3W64	75	130	31	C3	Steel	13195984
22215 E/W64	75	130	31	CN (normal)	Steel	13195986
21315 E/C3W64	75	160	37	C3	Steel	13195880
21315 E/W64	75	160	37	CN (normal)	Steel	13195881
22315 E/C3W64	75	160	55	C3	Steel	13196113
22216 E/C3W64	80	140	33	C3	Steel	13195991
22216 E/W64	80	140	33	CN (normal)	Steel	13195992
21316 E/W64	80	170	39	CN (normal)	Steel	13195882
22316 E/W64	80	170	58	CN (normal)	Steel	13196115
22217 E/W64	85	150	36	CN (normal)	Steel	13195999
22317 E/W64	85	180	60	CN (normal)	Steel	13196120
22218 E/C3W64	90	160	40	C3	Steel	13196005
22218 E/W64	90	160	40	CN (normal)	Steel	13196008
23218 CC/W64	90	160	52.4	CN (normal)	Steel	13196425
22318 E/C3W64	90	190	64	C3	Steel	13196125
22219 E/W64	95	170	43	CN (normal)	Steel	13196013
23120 CC/C3W64	100	165	52	C3	Steel	13196325
23120 CC/W64	100	165	52	CN (normal)	Steel	13196327
22220 E/W64	100	180	46	CN (normal)	Steel	13196020
23220 CC/W64	100	180	60.3	CN (normal)	Steel	13196429
22320 E/W64	100	215	73	CN (normal)	Steel	13196133
23022 CC/W64	110	170	45	CN (normal)	Steel	13196219
24122 CC/C4W64	110	180	69	C4	Steel	13196631
24122 CC/W64	110	180	69	CN (normal)	Steel	13196632
22222 E/C3W64	110	200	53	C3	Steel	13196029
22222 E/W64	110	200	53	CN (normal)	Steel	13196032
23024 CC/W64	120	180	46	CN (normal)	Steel	13196222
24024 CC/W64	120	180	60	CN (normal)	Steel	13196562
23124 CC/C3W64	120	200	62	C3	Steel	13196341
22224 E/C3W64	120	215	58	C3	Steel	13196037
22224 E/W64	120	215	58	CN (normal)	Steel	13196039
23224 CC/W64	120	215	76	CN (normal)	Steel	13196447
22324 CC/W64	120	260	86	CN (normal)	Steel	13196159

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Cage	Article
	mm	mm	mm			
23026 CC/C3W64	130	200	52	C3	Steel	13196226
23026 CC/W64	130	200	52	CN (normal)	Steel	13196230
24026 CC/C4W64	130	200	69	C4	Steel	13196568
23126 CC/C3W64	130	210	64	C3	Steel	13196342
24126 CC/W64	130	210	80	CN (normal)	Steel	13196643
23226 CC/W64	130	230	80	CN (normal)	Steel	13196459
23028 CC/W64	140	210	53	CN (normal)	Steel	13196237
24028 CC/W64	140	210	69	CN (normal)	Steel	13196571
23128 CC/C3W64	140	225	68	C3	Steel	13196345
22228 CC/W64	140	250	68	CN (normal)	Steel	13196047
23030 CC/W64	150	225	56	CN (normal)	Steel	13196243
22230 CC/C3W64	150	270	73	C3	Steel	13196057
23132 CC/C3W64	160	270	86	C3	Steel	13196364
23034 CC/W64	170	260	67	CN (normal)	Steel	13196260
23140 CC/C3W64	200	340	112	C3	Steel	13196396

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