



SKF Double-row self-aligning ball bearing Tapered bore Open

Self-aligning ball bearings have two rows of balls and a common sphered raceway in the outer ring. The bearings are insensitive to angular misalignment of the shaft relative to the housing. They generate less friction than any other type of rolling bearing, which enables them to run cooler even at high speeds. Self-aligning ball bearing variants are:

Open

- with cylindrical bore
- with tapered bore, e.g. for use with adapter sleeves
- with extended inner ring

Sealed

- with cylindrical bore
- with tapered bore, e.g. for use with adapter sleeves

Bearings with seals

Some self-aligning ball bearings are also available with seals. Sealed bearings have a contact seal on both sides that is made of oil and wear-resistant NBR and reinforced with a sheet steel insert (designation suffix 2RS1). Sealed bearings are lubricated for the life of the bearing and should not be washed or relubricated. The bearings are considered virtually maintenance-free.

Bearings with an extended inner ring

Self-aligning ball bearings with an extended inner ring are designed for less demanding applications that use commercial grade shafting. The special bore tolerance, class JS7, facilitates mounting and dismounting. Self-aligning ball bearings with an extended inner ring are located axially on the shaft by means of a slot at one end of the inner ring that engages a pin or shoulder screw fitted to the shaft. The holding device also prevents the shaft from spinning in the bearing bore. When two of these bearings are used to support a shaft, they should be positioned so that the inner ring slots either face each other, or are opposed to each other. If this is not the case, the shaft is located axially in one direction only.

Characteristics

Series: 12

Bore: Tapered bore

Sealing: Open

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Article
1204 EKTN9/C3	20	47	14	C3	12121342
1204 EKTN9	20	47	14	CN (normal)	24045818
1205 EKTN9/C3W64	25	52	15	C3	13195751
1205 EKTN9/C3	25	52	15	C3	23755066
1205 EKTN9	25	52	15	CN (normal)	23755065
2205 EKTN9/C3	25	52	18	C3	23755447
2205 EKTN9	25	52	18	CN (normal)	23755446
1305 EKTN9	25	62	17	CN (normal)	23755139
1206 EKTN9/C3	30	62	16	C3	23755070
1206 EKTN9	30	62	16	CN (normal)	23755069
2206 EKTN9/C3	30	62	20	C3	23755455
2206 EKTN9	30	62	20	CN (normal)	23755454
1306 EKTN9/C3	30	72	19	C3	23755144

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Article
	mm	mm	mm		
1306 EKTN9	30	72	19	CN (normal)	23755143
1306 K/236725	30	72	19	CN (normal)	23755147
2306 K/C3	30	72	27	C3	23755987
2306 K	30	72	27	CN (normal)	23755986
1207 EKTN9/C3	35	72	17	C3	23755075
1207 EKTN9	35	72	17	CN (normal)	23755074
2207 EKTN9/C3	35	72	23	C3	23755463
2207 EKTN9	35	72	23	CN (normal)	23755462
2207 EKTN9/W64	35	72	23	CN (normal)	13195914
1307 EKTN9/C3	35	80	21	C3	23755149
1307 EKTN9	35	80	21	CN (normal)	23755148
2307 EKTN9/C3	35	80	31	C3	23756008
2307 EKTN9	35	80	31	CN (normal)	23756007
1208 EKTN9/C3	40	80	18	C3	23755079
1208 EKTN9	40	80	18	CN (normal)	23755078
2208 EKTN9/C3	40	80	23	C3	23755470
2208 EKTN9	40	80	23	CN (normal)	23755469
1308 EKTN9/C3	40	90	23	C3	23755152
1308 EKTN9	40	90	23	CN (normal)	23755151
2308 EKTN9/C3	40	90	33	C3	23756021
2308 EKTN9	40	90	33	CN (normal)	23756020
1209 EKTN9/C3W64	45	85	19	C3	13195760
1209 EKTN9/C3	45	85	19	C3	23755083
1209 EKTN9	45	85	19	CN (normal)	23755082
1209 EKTN9/W64	45	85	19	CN (normal)	13195762
2209 EKTN9/C3W64F	45	85	23	C3	13195918
2209 EKTN9/C3	45	85	23	C3	23755477
2209 EKTN9	45	85	23	CN (normal)	23755476
2209 EKTN9/W64	45	85	23	CN (normal)	13195919
1309 EKTN9/C3	45	100	25	C3	23755157
1309 EKTN9	45	100	25	CN (normal)	23755156
2309 EKTN9/C3	45	100	36	C3	23756037
2309 EKTN9	45	100	36	CN (normal)	23756036
1210 EKTN9/C3	50	90	20	C3	23755086
1210 EKTN9	50	90	20	CN (normal)	23755085
1210 EKTN9/W64	50	90	20	CN (normal)	13195765
2210 EKTN9/C3	50	90	23	C3	23755484
2210 EKTN9	50	90	23	CN (normal)	23755483
1310 EKTN9/C3	50	110	27	C3	23755161
1310 EKTN9	50	110	27	CN (normal)	23755160
2310 KM/C3	50	110	40	C3	13196319
2310 K/C3	50	110	40	C3	23756049
2310 K	50	110	40	CN (normal)	23756048
2310 KM	50	110	40	CN (normal)	13196318
1211 EKTN9/C3	55	100	21	C3	23755090
1211 EKTN9/C4	55	100	21	C4	13195769
1211 EKTN9	55	100	21	CN (normal)	23755089
1211 EKTN9/W64	55	100	21	CN (normal)	13195770
2211 EKTN9/C3	55	100	25	C3	23755491
2211 EKTN9	55	100	25	CN (normal)	23755490
2211 EKTN9/W64	55	100	25	CN (normal)	13195925
1311 EKTN9/C3	55	120	29	C3	23755165
1311 EKTN9	55	120	29	CN (normal)	23755164

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	mm	mm	mm		
2311 K/C3	55	120	43	C3	23756054
2311 K	55	120	43	CN (normal)	23756053
2311 K/W64	55	120	43	CN (normal)	13196320
1212 EKTN9/C3	60	110	22	C3	23755094
1212 EKTN9	60	110	22	CN (normal)	23755093
1212 EKTN9/W64	60	110	22	CN (normal)	13195773
2212 EKTN9/C3	60	110	28	C3	23755496
2212 EKTN9	60	110	28	CN (normal)	23755495
1312 EKTN9/C3	60	130	31	C3	23755168
1312 EKTN9	60	130	31	CN (normal)	23755167
2312 K/C3	60	130	46	C3	23756060
2312 K	60	130	46	CN (normal)	23756059
1213 EKTN9/C3	65	120	23	C3	23755098
1213 EKTN9/C3W64	65	120	23	C3	13195775
1213 EKTN9/W64	65	120	23	CN (normal)	13195776
1213 EKTN9	65	120	23	CN (normal)	23755097
2213 EKTN9/C3	65	120	31	C3	23755503
2213 EKTN9	65	120	31	CN (normal)	23755502
2213 EKTN9/W64	65	120	31	CN (normal)	13195932
1313 EKTN9/C3	65	140	33	C3	23755172
1313 EKTN9	65	140	33	CN (normal)	23755171
2313 K/C3	65	140	48	C3	23756094
2313 K	65	140	48	CN (normal)	23756093
1215 K/C3	75	130	25	C3	23755104
1215 K	75	130	25	CN (normal)	23755103
2215 EKTN9/C3	75	130	31	C3	23755509
2215 EKTN9	75	130	31	CN (normal)	23755508
1315 K/C3	75	160	37	C3	23755179
1315 K	75	160	37	CN (normal)	23755178
2315 KM/C3	75	160	55	C3	23756145
2315 K/C3	75	160	55	C3	23756144
2315 K	75	160	55	CN (normal)	23756143
1216 K/C3	80	140	26	C3	23755107
1216 K	80	140	26	CN (normal)	23755106
2216 EKTN9/C3	80	140	33	C3	23755513
2216 EKTN9/C3W64	80	140	33	C3	13195935
2216 EKTN9	80	140	33	CN (normal)	23755512
1316 K/C3	80	170	39	C3	23755182
1316 K	80	170	39	CN (normal)	23755181
2316 KM/C3	80	170	58	C3	23756160
2316 K/C3	80	170	58	C3	23756159
2316 K	80	170	58	CN (normal)	23756158
1217 K/C3	85	150	28	C3	23755111
1217 K	85	150	28	CN (normal)	23755110
2217 K/C3	85	150	36	C3	23755518
2217 K	85	150	36	CN (normal)	23755517
1317 K/C3	85	180	41	C3	23755186
1317 K	85	180	41	CN (normal)	23755185
2317 KM/C3	85	180	60	C3	23756179
2317 KM	85	180	60	CN (normal)	23756178
1218 K/C3	90	160	30	C3	23755114
1218 K/C4	90	160	30	C4	23755115
1218 K	90	160	30	CN (normal)	23755113

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	mm	mm	mm		
2218 KM/C3	90	160	40	C3	13195937
2218 K/C3	90	160	40	C3	23755521
2218 K	90	160	40	CN (normal)	23755520
1318 K/C3	90	190	43	C3	23755189
1318 K	90	190	43	CN (normal)	23755188
2318 KM/C3	90	190	64	C3	23756187
2318 KM	90	190	64	CN (normal)	23756186
1219 K/C3	95	170	32	C3	23755119
1219 K	95	170	32	CN (normal)	23755118
2219 KM/P63	95	170	43	C3	23755524
2219 KM	95	170	43	CN (normal)	23755523
1319 K	95	200	45	CN (normal)	23755191
1220 K/C3	100	180	34	C3	23755122
1220 K	100	180	34	CN (normal)	23755121
2220 KM/C3	100	180	46	C3	23755529
2220 K/C3	100	180	46	C3	12218624
2220 KM	100	180	46	CN (normal)	23755528
2220 K	100	180	46	CN (normal)	13195938
1320 KM/C3	100	215	47	C3	13195796
1320 K/C3	100	215	47	C3	23755194
1320 K	100	215	47	CN (normal)	23755193
1320 KM	100	215	47	CN (normal)	13195795
2320 KM/C3	100	215	73	C3	23756195
1222 K/C3	110	200	38	C3	23755125
1222 K	110	200	38	CN (normal)	23755124
2222 K/C3	110	200	53	C3	23755619
2222 KM/C3	110	200	53	C3	23755621
2222 KM	110	200	53	CN (normal)	23755620
2222 K	110	200	53	CN (normal)	13196017
1322 KM/C3	110	240	50	C3	23755196
1322 KM	110	240	50	CN (normal)	23755195
1224 KM/C3	120	215	42	C3	23755127
1224 KM	120	215	42	CN (normal)	23755126

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