



SKF Double-row self-aligning ball bearing Cylindrical bore Double sealed

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: 23

Bore: Cylindrical bore

Sealing: Double sealed

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Article
2200 E-2RSITN9	10	30	14	CN (normal)	23755429
2201 E-2RSITN9	12	32	14	CN (normal)	23755431
2201 E-2RSITN9/W64	12	32	14	CN (normal)	13195895
2202 E-2RSITN9/C3	15	35	14	C3	24001998
2202 E-2RSITN9/GFJ	15	35	14	CN (normal)	13529426
2202 E-2RSITN9/W64	15	35	14	CN (normal)	24001999
2202 E-2RSITN9/GWB	15	35	14	CN (normal)	13195897
2202 E-2RSITN9	15	35	14	CN (normal)	23755433
2302 E-2RSITN9	15	42	17	CN (normal)	23755897
2203 E-2RSITN9	17	40	16	CN (normal)	23755436
2203 E-2RSITN9/W64	17	40	16	CN (normal)	13195900
2303 E-2RSITN9/W64	17	47	19	CN (normal)	13196241
2303 E-2RSITN9	17	47	19	CN (normal)	23755915

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Article
	mm	mm	mm		
2204 E-2RSITN9/C3	20	47	18	C3	23755439
2204 E-2RSITN9/W64	20	47	18	CN (normal)	13195903
2204 E-2RSITN9/GFJ	20	47	18	CN (normal)	13529427
2204 E-2RSITN9	20	47	18	CN (normal)	23755438
2304 E-2RSITN9/C3	20	52	21	C3	23755949
2304 E-2RSITN9	20	52	21	CN (normal)	23755948
2205 E-2RSITN9/C3	25	52	18	C3	23755445
2205 E-2RSITN9/GFJ	25	52	18	CN (normal)	13529429
2205 E-2RSITN9/W64	25	52	18	CN (normal)	13195907
2205 E-2RSITN9	25	52	18	CN (normal)	23755444
2305 E-2RSITN9/C3	25	62	24	C3	13196291
2305 E-2RSITN9	25	62	24	CN (normal)	23755970
2305 E-2RSITN9/W64	25	62	24	CN (normal)	13196292
2206 E-2RSITN9/C3	30	62	20	C3	23755453
2206 E-2RSITN9/W64	30	62	20	CN (normal)	13195909
2206 E-2RSITN9/W64F	30	62	20	CN (normal)	13195910
2206 E-2RSITN9	30	62	20	CN (normal)	23755452
2306 E-2RSITN9	30	72	27	CN (normal)	23755985
2306 E-2RSITN9/W64	30	72	27	CN (normal)	13196305
2207 E-2RSITN9/C3	35	72	23	C3	23755461
2207 E-2RSITN9/W64	35	72	23	CN (normal)	13195913
2207 E-2RSITN9	35	72	23	CN (normal)	23755460
2307 E-2RSITN9/C3	35	80	31	C3	23756006
2307 E-2RSITN9	35	80	31	CN (normal)	23756005
2208 E-2RSITN9/C3	40	80	23	C3	13195916
2208 E-2RSITN9/W64	40	80	23	CN (normal)	23195449
2208 E-2RSITN9	40	80	23	CN (normal)	23755468
2308 E-2RSITN9/C3WT	40	90	33	C3	13529450
2308 E-2RSITN9	40	90	33	CN (normal)	23756019
2308 E-2RSITN9/W64	40	90	33	CN (normal)	13196313
2209 E-2RSITN9	45	85	23	CN (normal)	23755475
2209 E-2RSITN9/W64	45	85	23	CN (normal)	13195917
2309 E-2RSITN9/W64	45	100	36	CN (normal)	13196315
2309 E-2RSITN9	45	100	36	CN (normal)	23756035
2210 E-2RSITN9/C3	50	90	23	C3	24002001
2210 E-2RSITN9/W64	50	90	23	CN (normal)	24002002
2210 E-2RSITN9	50	90	23	CN (normal)	23755482
2310 E-2RSITN9/W64	50	110	40	CN (normal)	13196317
2310 E-2RSITN9	50	110	40	CN (normal)	23756047
2211 E-2RSITN9	55	100	25	CN (normal)	23755489
2211 E-2RSITN9/W64	55	100	25	CN (normal)	13195923
2212 E-2RSITN9/W64	60	110	28	CN (normal)	13195927
2212 E-2RSITN9	60	110	28	CN (normal)	23755494
2213 E-2RSITN9/C3	65	120	31	C3	13195929
2213 E-2RSITN9	65	120	31	CN (normal)	23755501
2213 E-2RSITN9/W64	65	120	31	CN (normal)	13195930
2214 E-2RSITN9	70	125	31	CN (normal)	23755507

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