



SKF Double-row self-aligning ball bearing Tapered 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: 22

Bore: Tapered bore

Sealing: Double sealed

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Article
2205 E-2RS1KTN9/C3	25	52	18	C3	23755443
2205 E-2RS1KTN9/W64	25	52	18	CN (normal)	13195906
2205 E-2RS1KTN9	25	52	18	CN (normal)	23755442
2206 E-2RS1KTN9	30	62	20	CN (normal)	23755450
2207 E-2RS1KTN9/C3	35	72	23	C3	23755459
2207 E-2RS1KTN9	35	72	23	CN (normal)	23755458
2208 E-2RS1KTN9/C3	40	80	23	C3	23755467
2208 E-2RS1KTN9	40	80	23	CN (normal)	23755466
2209 E-2RS1KTN9/C3	45	85	23	C3	23755474
2209 E-2RS1KTN9	45	85	23	CN (normal)	23755473
2210 E-2RS1KTN9/C3	50	90	23	C3	23755481
2210 E-2RS1KTN9	50	90	23	CN (normal)	23755480
2211 E-2RS1KTN9/C3	55	100	25	C3	23755488

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Article
	mm	mm	mm		
2211 E-2RSIKTN9/C3W64	55	100	25	C3	13195922
2211 E-2RSIKTN9	55	100	25	CN (normal)	23755487
2213 E-2RSIKTN9/C3	65	120	31	C3	23755500
2213 E-2RSIKTN9	65	120	31	CN (normal)	23755499

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