



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: 22

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)	22002RS-SKF
2201 E-2RSITN9	12	32	14	CN (normal)	22012RS-SKF
2202 E-2RSITN9	15	35	14	CN (normal)	22022RS-SKF
2302 E-2RSITN9	15	42	17	CN (normal)	23022RS-SKF
2203 E-2RSITN9	17	40	16	CN (normal)	22032RS-SKF
2303 E-2RSITN9	17	47	19	CN (normal)	23032RS-SKF
2204 E-2RSITN9/W64	20	47	18	CN (normal)	22042RSW64-SKF
2204 E-2RSITN9	20	47	18	CN (normal)	22042RS-SKF
2304 E-2RSITN9	20	52	21	CN (normal)	23042RS-SKF
2205 E-2RSITN9/C3	25	52	18	C3	22052RSC3-SKF
2205 E-2RSITN9	25	52	18	CN (normal)	22052RS-SKF
2305 E-2RSITN9	25	62	24	CN (normal)	23052RS-SKF
2206 E-2RSITN9	30	62	20	CN (normal)	22062RS-SKF

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Article
2306 E-2RSITN9	30	72	27	CN (normal)	23062RS-SKF
2207 E-2RSITN9/C3	35	72	23	C3	22072RSC3-SKF
2207 E-2RSITN9	35	72	23	CN (normal)	22072RS-SKF
2307 E-2RSITN9/C3	35	80	31	C3	23072RSC3-SKF
2307 E-2RSITN9	35	80	31	CN (normal)	23072RS-SKF
2208 E-2RSITN9	40	80	23	CN (normal)	22082RS-SKF
2209 E-2RSITN9	45	85	23	CN (normal)	22092RS-SKF
2309 E-2RSITN9	45	100	36	CN (normal)	23092RS-SKF
2210 E-2RSITN9/C3	50	90	23	C3	22102RSC3-SKF
2210 E-2RSITN9	50	90	23	CN (normal)	22102RS-SKF
2211 E-2RSITN9	55	100	25	CN (normal)	22112RS-SKF
2212 E-2RSITN9	60	110	28	CN (normal)	22122RS-SKF

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.