

Image may differ from product. See technical specification for details.

2210 E-2RS1KTN9/C3

Self-aligning ball bearing with tapered bore and seals on both sides

Self-aligning ball bearings, with a tapered bore and seals on both sides, have two rows of balls, a common sphered raceway in the outer ring and two deep uninterrupted raceway grooves in the inner ring. They are insensitive to angular misalignment of the shaft relative to the housing. The tapered bore facilitates ease of mounting via adapter/withdrawal

sleeves. The integral sealing can prolong bearing service life by keeping lubricant in the bearings and contaminants out.

- Ease of mounting via adapter/withdrawal sleeves
- Accommodate static and dynamic misalignment
- Excellent high-speed and light load performance
- Low friction
- Integral sealing results in reduced maintenance requirements and prolonged bearing service life

Overview

Dimensions

Bore diameter	50 mm
Outside diameter	90 mm
Width	23 mm

Performance

Basic dynamic load rating	22.9 kN
Basic static load rating	8.15 kN
Reference speed	14 000 r/min
Limiting speed	4 800 r/min

Properties

Retaining feature, inner ring	None
Locating feature, bearing outer ring	None
Number of rows	2
Bore type	Tapered 1:12
Cage	Non-metallic
Radial internal clearance	C3
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Grease
Relubrication feature	Without

Logistics

Product net weight	0.569 kg
eClass code	23-05-08-06
UNSPSC code	31171532

Compatible products

Recommended product

Withdrawal sleeve, basic design, ISO standards	AHX 310
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions	H 310
Adapter sleeve with KMFE lock nut, metric dimensions	H 310 E
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore	HA 310
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore	HE 310
Adapter sleeve	HE 310 E
Adapter sleeve with AN or N lock nut and W lock washer, inch dimensions	SNW 10X1.11/16

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