

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

# 2209 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 | 45 mm |
| Outside diameter | 85 mm |
| Width | 23 mm |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 22.9 kN |
| Basic static load rating | 7.8 kN |
| Reference speed | 15 000 r/min |
| Limiting speed | 5 300 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 | 0.519 kg |
| eClass code | 23-05-08-06 |
| UNSPSC code | 31171532 |

# Compatible products

## Recommended product

| | |
|---|---|
| Withdrawal sleeve, basic design, ISO standards | AH 309 |
| Adapter sleeve with KM lock nut and MB lock washer, metric dimensions | H 309 |
| Adapter sleeve with KMFE lock nut, metric dimensions | H 309 E |
| Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore | HA 309 |
| Adapter sleeve | HA 309 E |
| Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore | HE 309 |
| Adapter sleeve | HE 309 E |
| Adapter sleeve with AN or N lock nut and W lock washer, inch dimensions | SNW 9X1.7/16 |

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