

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

2308 EM/P6

Self-aligning ball bearing

Self-aligning ball bearings 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, which can be caused, for example, by shaft deflection.

- Accommodate static and dynamic misalignment
- Excellent high-speed performance
- Excellent light load performance
- Low friction

Overview

Dimensions

Bore diameter	40 mm
Outside diameter	90 mm
Width	33 mm

Performance

Basic dynamic load rating	54 kN
Basic static load rating	16 kN
Reference speed	14 000 r/min
Limiting speed	10 000 r/min

Properties

Retaining feature, inner ring	None
Locating feature, bearing outer ring	Without
Number of rows	2
Bore type	Cylindrical
Cage	Machined brass
Radial internal clearance	CN
Tolerance class	Class P6 (P6)
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	3.7 kg CO_2e

Logistics

Product net weight	0.99 kg
eClass code	23-05-08-06
UNSPSC code	31171532

Compatible products

Mounting tool

Bearing fitting tool kit	TMFT 36

Bearing fitting tool kit, PRO version	TMFT 36/PRO

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