

2306/C3

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	30 mm
Outside diameter	72 mm
Width	27 mm

Performance

Basic dynamic load rating	31.2 kN
Basic static load rating	8.8 kN
Reference speed	18 000 r/min
Limiting speed	13 000 r/min

Properties

Number of rows	2
Retaining feature, inner ring	None
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Radial internal clearance	C3
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

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