

# 2311 M/C3 Self-aligning ball bearing



## 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	55 mm
Outside diameter	120 mm
Width	43 mm

## Performance

Basic dynamic load rating	76.1 kN
Basic static load rating	24 kN
Reference speed	11 000 r/min
Limiting speed	7 500 r/min

## Properties

Retaining feature, inner ring	None
Locating feature, bearing outer ring	None
Number of rows	2
Bore type	Cylindrical
Cage	Machined 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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