



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

2211 ETN9/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	55 mm
Outside diameter	100 mm
Width	25 mm

Performance

Basic dynamic load rating	39 kN
Basic static load rating	13.4 kN
Reference speed	12 000 r/min
Limiting speed	8 500 r/min

Properties

Retaining feature, inner ring	None
Locating feature, bearing outer ring	Without
Number of rows	2
Bore type	Cylindrical
Cage	Non-metallic
Radial internal clearance	C3
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	2.9 kg CO ₂ e

Logistics

Product net weight	0.774 kg
eClass code	23-05-08-06
UNSPSC code	31171532

More Information

 Product details	 Engineering information	 Tools
Designs and variants	Principles of rolling bearing selection	SKF Product select - Select and evaluate bearing
General bearing specifications	General bearing knowledge	SKF Product select - Combine housing with bearing
Loads	Bearing selection process	SKF SimPro Quick
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Design considerations	Selecting internal clearance	SKF Drive-up Method Program
Mounting	Lubrication	SKF Oil Injection Method Program
Designation system	Sealing, mounting and dismounting	SKF Tool and Accessory Selector for sleeves and shafts
	Bearing failure and how to prevent it	

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