



SKF 22309 E/C3

Spherical roller bearing with relubrication features

Spherical roller bearings can accommodate heavy loads in both directions. They are self-aligning and accommodate misalignment and shaft deflections, with virtually no increase in friction or temperature. The design includes features to facilitate relubrication. The bearings can be used in a modular system, including housings, sleeves and nuts.

Technical specifications

Dimensions	
Bore diameter	45 mm
Outside diameter	100 mm
Width	36 mm

Performance	
Basic dynamic load rating	190 kN
Basic static load rating	183 kN
Reference speed	5300 r/min
Limiting speed	7000 r/min
SKF performance class	SKF Explorer

Properties	
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Radial internal clearance	C3
Tolerance class for dimensions	Normal
Tolerance class for run-out	P5
Sealing	Without
Lubricant	None
Relubrication feature	With
Indicative carbon footprint for new product	4.9 kg CO ₂ e

Logistics	
Product net weight	1.37 kg
eClass code	23-05-09-11
UNSPSC code	31171510