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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. Also available on request with special sized bore and/or outside diameters, suitable for reworked shafts and housings.

- Accommodate misalignment
- High load carrying capacity
- Relubrication features
- Low friction and long service life
- Increased wear resistance

Overview

Dimensions

Bore diameter	420 mm
Outside diameter	560 mm
Width	106 mm

Performance

Basic dynamic load rating	2 083 kN
Basic static load rating	4 150 kN
Reference speed	1 000 r/min
Limiting speed	1 100 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	Normal
Sealing	Without
Lubricant	None
Relubrication feature	With
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	267 kg CO_2e
Indicative carbon footprint for remanufactured product	88.7 kg CO_2e

Logistics

Product net weight	72.1 kg
eClass code	23-05-09-11
UNSPSC code	31171510

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