



22311 EK/C3 Spherical roller bearing[®] with tapered bore and relubrication features

Spherical roller bearing with tapered bore and 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.

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

Overview

Dimensions

| | |
|------------------|--------|
| Bore diameter | 55 mm |
| Outside diameter | 120 mm |
| Width | 43 mm |

Performance

| | |
|---------------------------|--------------|
| Basic dynamic load rating | 280 kN |
| Basic static load rating | 280 kN |
| Reference speed | 4 300 r/min |
| Limiting speed | 5 600 r/min |
| SKF performance class | SKF Explorer |

Properties

| | |
|--------------------------------------|--------------|
| Number of rows | 2 |
| Locating feature, bearing outer ring | Without |
| Bore type | Tapered 1:12 |
| Cage | Sheet metal |
| Radial internal clearance | C3 |
| Tolerance class | Normal |
| Tolerance class for dimensions | Normal |
| Tolerance class for run-out | P5 |
| Sealing | Without |
| Lubricant | None |
| Relubrication feature | With |

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