

# 22220 EK/C3



## 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    | 100 mm |
| Outside diameter | 180 mm |
| Width            | 46 mm  |

## Performance

|                           |              |
|---------------------------|--------------|
| Basic dynamic load rating | 433 kN       |
| Basic static load rating  | 490 kN       |
| Reference speed           | 3 400 r/min  |
| Limiting speed            | 4 500 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 for dimensions       | Normal       |
| Tolerance class for run-out          | P5           |
| Sealing                              | Without      |
| Lubricant                            | None         |
| Relubrication feature                | With         |

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