

# NUP 310 ECP/C3VE171Single row cylindrical roller bearing, NUP design

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Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one integral flange and one loose flange ring on the inner ring, NUP design bearings can locate the shaft axially in both directions. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- High radial load carrying capacity
- Low friction
- Long service life
- Locate the shaft axially in both directions
- Separable design

## Overview

### Dimensions

| | |
|---|---|
| Bore diameter | 50 mm |
| Outside diameter | 110 mm |
| Width | 27 mm |

### Performance

| | |
|---|---|
| Basic dynamic load rating | 127 kN |
| Basic static load rating | 112 kN |
| Reference speed | 6 700 r/min |
| Limiting speed | 8 000 r/min |
| SKF performance class | SKF Explorer |

### Properties

| | |
|---|---|
| Bearing part | Complete bearing |
| Axial displacement capability | None |
| Number of rows | 1 |
| Locating feature, bearing outer ring | None |
| Bore type | Cylindrical |
| Cage | Non-metallic |
| Number of flanges, outer ring | 2 |
| Number of flanges, inner ring | 1 |
| Loose flange | None |
| Radial internal clearance | C3 |
| Coating | Without |

| | |
|---|---|
| Sealing | Without |
| Lubricant | None |
| Relubrication feature | Without |

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