

# NJ 314 ECJ/C3

## Single row cylindrical roller bearing, NJ design

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 on the inner ring, NJ design bearings can accommodate axial displacement in one direction. 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 one direction
- Separable design

## Overview

### Dimensions

| | |
|---|---|
| Bore diameter | 70 mm |
| Outside diameter | 150 mm |
| Width | 35 mm |

### Performance

| | |
|---|---|
| Basic dynamic load rating | 236 kN |
| Basic static load rating | 228 kN |
| Reference speed | 4 800 r/min |
| Limiting speed | 5 600 r/min |
| SKF performance class | SKF Explorer |

### Properties

| | |
|---|---|
| Bearing part | Complete bearing |
| Axial displacement capability | In one direction |
| Number of rows | 1 |
| Locating feature, bearing outer ring | None |
| Bore type | Cylindrical |
| Cage | Sheet metal |
| 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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