

NJ 2314 ECP/C4

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 | 51 mm |

Performance

| | |
|---------------------------|--------------|
| Basic dynamic load rating | 315 kN |
| Basic static load rating | 325 kN |
| Limiting speed | 5 600 r/min |
| Reference speed | 4 800 r/min |
| SKF performance class | SKF Explorer |

Properties

| | |
|--------------------------------------|------------------|
| Axial displacement capability | In one direction |
| Bearing part | Complete bearing |
| Bore type | Cylindrical |
| Cage | Non-metallic |
| Coating | Without |
| Locating feature, bearing outer ring | None |
| Loose flange | None |
| Lubricant | None |
| Number of flanges, inner ring | 1 |
| Number of flanges, outer ring | 2 |
| Number of rows | 1 |
| Radial internal clearance | C4 |

| | |
|-----------------------|---------|
| Relubrication feature | Without |
| Sealing | Without |

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