



# N 314 ECP/C3 Single row cylindrical roller bearing, N design

## Single row cylindrical roller bearing, N design

Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the inner ring and no flanges on the outer ring, N design bearings can accommodate axial displacement 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
- Accommodate axial displacement in both directions
- 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 both directions |
| Number of rows                       | 1                  |
| Locating feature, bearing outer ring | None               |
| Bore type                            | Cylindrical        |
| Cage                                 | Non-metallic       |
| Number of flanges, outer ring        | 0                  |
| Number of flanges, inner ring        | 2                  |
| Loose flange                         | None               |
| Radial internal clearance            | C3                 |
| Tolerance class                      | Normal             |
| Coating                              | Without            |
| Sealing                              | Without            |

Lubricant

None

Relubrication feature

Without

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