

# NCF 3018 CV/C3



## Single row full complement cylindrical roller bearing, NCF design

Single row full complement cylindrical roller bearings are designed to accommodate very high radial loads in combination with moderate speeds. The bearings incorporate a maximum number of rollers as they are not equipped with a cage. Having two integral flanges on the inner ring and one flange on the outer ring, NCF design bearings can accommodate axial displacement in one direction. A retaining ring on the outer ring holds the bearing together. The retaining ring should not be loaded axially during operation.

- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in one direction

## Overview

### Dimensions

|                  |        |
|------------------|--------|
| Bore diameter    | 90 mm  |
| Outside diameter | 140 mm |
| Width            | 37 mm  |

## Performance

|                           |             |
|---------------------------|-------------|
| Basic dynamic load rating | 198 kN      |
| Basic static load rating  | 280 kN      |
| Reference speed           | 2 200 r/min |
| Limiting speed            | 2 800 r/min |

## 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                                 | Without          |
| Design                               | Non-separable    |
| Number of flanges, outer ring        | 1                |
| Number of flanges, inner ring        | 2                |
| Loose flange                         | None             |
| Radial internal clearance            | C3               |
| Coating                              | Without          |
| Sealing                              | Without          |

Lubricant

None

Relubrication feature

Without

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