

NUPG 309 VH/C3 Single row full complement cylindrical roller bearing, NUPG design

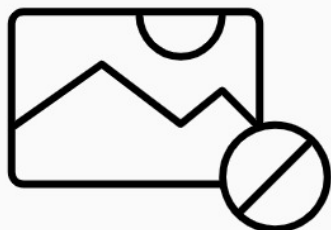
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Single row full complement cylindrical roller bearings are designed to accommodate very high radial loads in combination with moderate speeds. The bearings incorporate a maximum number of rollers as they are not equipped with a cage. Having two integral flanges on the outer ring and one integral flange and one loose flange ring on the inner ring, NUPG design bearings can locate the shaft axially in both directions. A self-retaining roller complement enables the bearing components to be separated, which facilitates mounting and enables the bearing components to be interchanged.

- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in both directions
- Separable design



Overview

Dimensions

Bore diameter	45 mm
Outside diameter	100 mm
Width	25 mm

Performance

Basic dynamic load rating	110 kN
Basic static load rating	112 kN
Reference speed	7 500 r/min
Limiting speed	9 000 r/min

Properties

Bearing part	Complete bearing
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Without
Number of flanges, outer ring	2
Number of flanges, inner ring	1
Loose flange	Inner ring loose flange

Radial internal clearance	C3
Tolerance class	Normal
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

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