

NNU 4944 B/SPC3W33

Super-precision double row cylindrical roller bearing with lubrication feature

Super-precision double row cylindrical roller bearings in the NNU 49 series are designed to accommodate heavy radial loads and high speeds, while providing a high degree of stiffness. Having three flanges on the outer ring and no flanges on the inner ring, the bearings can accommodate axial displacement in both directions. The separable design simplifies mounting and dismounting, particularly when load conditions require both rings to have an interference fit.

- High radial load carrying capacity
- Very high rigidity and high running accuracy
- Minimize noise, vibration and heat generation
- Accommodate axial displacement in both directions
- Lubrication feature
- Thin section enabling compact application design



Overview

Dimensions

Bore diameter	220 mm
Outside diameter	300 mm
Width	80 mm

Performance

Basic dynamic load rating	512 kN
Basic static load rating	1 140 kN
Attainable speed for grease lubrication	2 400 r/min
Attainable speed for oil-air lubrication	2 800 r/min

Properties

Bearing part	Complete bearing
Number of rows	2
Bore type	Cylindrical
Cage	Machined metal
Design	NNU
Number of flanges, outer ring	3
Number of flanges, inner ring	0
Loose flange	None
Radial internal clearance	C3
Tolerance class	Class SP (SP)
Material, bearing	Bearing steel

Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Annular groove and lubrication holes

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