

NN 3010 KTN/SPW33



Super-precision double row cylindrical roller bearing with tapered bore and lubrication feature

Super-precision double row cylindrical roller bearings in the NN 30 series provide a unique balance between load carrying capacity, rigidity and speed. Having three flanges on the inner ring and no flanges on the outer 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. The tapered bore enables accurate adjustment of clearance or preload during mounting.

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

Overview

Dimensions

Bore diameter	1.969 in
Outside diameter	3.15 in
Width	0.906 in

Performance

Attainable speed for grease lubrication	11 000 r/min
Attainable speed for oil-air lubrication	13 000 r/min
Basic dynamic load rating	11 870 lbf
Basic static load rating	16 523 lbf

Properties

Bearing part	Complete bearing
Bore type	Tapered 1:12
Cage	Non-metallic
Coating	Without
Design	NN
Loose flange	None
Lubricant	None
Material, bearing	Bearing steel
Number of flanges, inner ring	3
Number of flanges, outer ring	0

Number of rows	2
Radial internal clearance	C1
Relubrication feature	Annular groove and lubrication holes
Sealing	Without
Tolerance class	Class SP (SP)

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