



SKF NU 1006

Single row cylindrical roller bearing, NU design

Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and no flanges on the inner ring, NU 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.

Technical specifications

Dimensions	
Bore diameter	30 mm
Outside diameter	55 mm
Width	13 mm
Shoulder diameter of outer ring	45.56 mm
Raceway diameter of inner ring	36.5 mm
Chamfer dimension	1 mm
Chamfer dimension	0.6 mm
Permissible axial displacement	1.6 mm

Abutment dimensions	
Diameter of spacer sleeve	32.9 mm
Diameter of spacer sleeve	35.6 mm
Diameter of shaft abutment	38 mm
Diameter of housing abutment	49.8 mm
Radius of fillet	1 mm
Radius of fillet	0.6 mm

Calculation data	
Basic dynamic load rating	17.9 kN
Basic static load rating	17.3 kN
Fatigue load limit	1.86 kN
Reference speed	15000 r/min
Limiting speed	15000 r/min
Minimum load factor	0.1
Limiting value	0.2
Calculation factor	0.6

Performance	
Basic dynamic load rating	17.9 kN
Basic static load rating	17.3 kN
Reference speed	15000 r/min
Limiting speed	15000 r/min

Properties	
Bearing part	Complete bearing
Axial displacement capability	In both directions
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Number of flanges, outer ring	2
Number of flanges, inner ring	0
Loose flange	None
Radial internal clearance	CN
Tolerance class	Normal
Coating	Without
Sealing	Without

Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.43 kg CO ₂ e

Logistics	
Product net weight	0.119 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings

