



SKF NJ 202 ECP

Single row cylindrical roller bearing, NJ 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 one on the inner ring, NJ design bearings can accommodate axial displacement in one direction. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

Technical specifications

Dimensions	
Bore diameter	15 mm
Outside diameter	35 mm
Width	11 mm
Shoulder diameter of inner ring	21.9 mm
Shoulder diameter of outer ring	27.7 mm
Raceway diameter of inner ring	19.3 mm
Chamfer dimension	0.6 mm
Chamfer dimension	0.3 mm
Permissible axial displacement	1 mm

Abutment dimensions	
Diameter of spacer sleeve	18.2 mm
Diameter of spacer sleeve	18.4 mm
Diameter of shaft abutment	23 mm
Diameter of housing abutment	31.3 mm
Radius of fillet	0.6 mm

Calculation data	
Basic dynamic load rating	12.5 kN
Basic static load rating	10.2 kN
Fatigue load limit	1.22 kN
Reference speed	22000 r/min
Limiting speed	26000 r/min
Minimum load factor	0.15
Limiting value	0.2
Calculation factor	0.6

Performance	
Basic dynamic load rating	12.5 kN
Basic static load rating	10.2 kN
Reference speed	22000 r/min
Limiting speed	26000 r/min

Properties	
Bearing part	Complete bearing
Axial displacement capability	In one direction
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Non-metallic
Number of flanges, outer ring	2
Number of flanges, inner ring	1
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	0.17 kg CO ₂ e

Logistics	
Product net weight	0.048 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings