



SKF NJ 206 ECJ

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	30 mm
Outside diameter	62 mm
Width	16 mm
Shoulder diameter of inner ring	41.2 mm
Shoulder diameter of outer ring	52.08 mm
Raceway diameter of inner ring	37.5 mm
Chamfer dimension	1 mm
Chamfer dimension	0.6 mm
Permissible axial displacement	1.3 mm

Abutment dimensions	
Diameter of spacer sleeve	35.3 mm
Diameter of spacer sleeve	36.1 mm
Diameter of shaft abutment	43 mm
Diameter of housing abutment	55.9 mm
Radius of fillet	1 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	44 kN
Basic static load rating	36.5 kN
Fatigue load limit	4.55 kN
Reference speed	13000 r/min
Limiting speed	14000 r/min
Minimum load factor	0.15
Limiting value	0.2
Calculation factor	0.6

Associated products	
Angle ring	HJ 206 EC

Performance	
Basic dynamic load rating	44 kN
Basic static load rating	36.5 kN
Reference speed	13000 r/min
Limiting speed	14000 r/min
SKF performance class	SKF Explorer

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	Sheet metal
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	0.76 kg CO ₂ e

Logistics	
Product net weight	0.21 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings

