



SKF NJ 240 ECML

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	200 mm
Outside diameter	360 mm
Width	58 mm
Shoulder diameter of inner ring	258 mm
Shoulder diameter of outer ring	311.5 mm
Raceway diameter of inner ring	243 mm
Chamfer dimension	4 mm
Chamfer dimension	4 mm
Permissible axial displacement	2.6 mm

Abutment dimensions	
Diameter of spacer sleeve	217 mm
Diameter of spacer sleeve	238 mm
Diameter of shaft abutment	262 mm
Diameter of housing abutment	341.6 mm
Radius of fillet	3 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	880 kN
Basic static load rating	1060 kN
Fatigue load limit	106 kN
Reference speed	1900 r/min
Limiting speed	3200 r/min
Minimum load factor	0.23
Limiting value	0.2
Calculation factor	0.6

Associated products	
Angle ring	HJ 240 EC

Performance	
Basic dynamic load rating	880 kN
Basic static load rating	1060 kN
Reference speed	1900 r/min
Limiting speed	3200 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	Machined brass
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
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	93.9 kg CO ₂ e
Indicative carbon footprint for remanufactured product	32.9 kg CO ₂ e

Logistics	
Product net weight	26.1 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings