



SKF NU 234 ECML

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	170 mm
Outside diameter	310 mm
Width	52 mm
Shoulder diameter of outer ring	268.5 mm
Raceway diameter of inner ring	207 mm
Chamfer dimension	4 mm
Chamfer dimension	4 mm
Permissible axial displacement	2.9 mm

Abutment dimensions	
Diameter of spacer sleeve	188 mm
Diameter of spacer sleeve	203 mm
Diameter of shaft abutment	210 mm
Diameter of housing abutment	292.4 mm
Radius of fillet	3 mm
Radius of fillet	3 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	695 kN
Basic static load rating	815 kN
Fatigue load limit	85 kN
Reference speed	2200 r/min
Limiting speed	3800 r/min
Minimum load factor	0.23
Limiting value	0.2
Calculation factor	0.6

Associated products	
Angle ring	HJ 234 EC

Performance	
Basic dynamic load rating	695 kN
Basic static load rating	815 kN
Reference speed	2200 r/min
Limiting speed	3800 r/min
SKF performance class	SKF Explorer

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	Machined brass
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
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	63.5 kg CO ₂ e
Indicative carbon footprint for remanufactured product	22.2 kg CO ₂ e

Logistics	
Product net weight	17.6 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings