



SKF NU 2334 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	360 mm
Width	120 mm
Shoulder diameter of outer ring	300.2 mm
Raceway diameter of inner ring	216 mm
Chamfer dimension	4 mm
Chamfer dimension	4 mm
Permissible axial displacement	10 mm

Abutment dimensions	
Diameter of spacer sleeve	186 mm
Diameter of spacer sleeve	211 mm
Diameter of shaft abutment	219 mm
Diameter of housing abutment	341.6 mm
Radius of fillet	3 mm
Radius of fillet	3 mm

Calculation data	
Basic dynamic load rating	1450 kN
Basic static load rating	2040 kN
Fatigue load limit	204 kN
Reference speed	1700 r/min
Limiting speed	3400 r/min
Minimum load factor	0.38
Limiting value	0.3
Calculation factor	0.4

Performance	
Basic dynamic load rating	1450 kN
Basic static load rating	2040 kN
Reference speed	1700 r/min
Limiting speed	3400 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	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	218 kg CO ₂ e
Indicative carbon footprint for remanufactured product	76.2 kg CO ₂ e

Logistics	
Product net weight	60.5 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings