SKF NU 238 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	190 mm
Outside diameter	340 mm
Width	55 mm
Shoulder diameter of outer ring	295 mm
Raceway diameter of inner ring	230 mm
Chamfer dimension	4 mm
Chamfer dimension	4 mm
Permissible axial displacement	3 mm

Abutment dimensions	
Diameter of spacer sleeve	207 mm
Diameter of spacer sleeve	226 mm
Diameter of shaft abutment	233 mm
Diameter of housing abutment	321.9 mm
Radius of fillet	3 mm
Radius of fillet	3 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	800 kN
Basic static load rating	965 kN
Fatigue load limit	98 kN
Reference speed	2000 r/min
Limiting speed	3400 r/min
Minimum load factor	0.23
Limiting value	0.2
Calculation factor	0.6

Associated products	
Angle ring	HJ 238 EC

Performance	
Basic dynamic load rating	800 kN
Basic static load rating	965 kN
Reference speed	2000 r/min
Limiting speed	3400 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	80.3 kg CO₂e
Indicative carbon footprint for remanufactured product	28.1 kg CO₂e

Logistics	
Product net weight	22.3 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings