SKF NU 2217 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	85 mm
Outside diameter	150 mm
Width	36 mm
Shoulder diameter of outer ring	131.05 mm
Raceway diameter of inner ring	100.5 mm
Chamfer dimension	2 mm
Chamfer dimension	2 mm
Permissible axial displacement	2 mm

Abutment dimensions	
Diameter of spacer sleeve	96 mm
Diameter of spacer sleeve	98 mm
Diameter of shaft abutment	103 mm
Diameter of housing abutment	138.5 mm
Radius of fillet	2 mm
Radius of fillet	2 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	250 kN
Basic static load rating	280 kN
Fatigue load limit	34.5 kN
Reference speed	4800 r/min
Limiting speed	8000 r/min
Minimum load factor	0.3
Limiting value	0.3
Calculation factor	0.4

Performance	
Basic dynamic load rating	250 kN
Basic static load rating	280 kN
Reference speed	4800 r/min
Limiting speed	8000 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
Indicative carbon footprint for new product	10.2 kg CO₂e

Logistics	
Product net weight	2.82 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings