



SKF NJ 316 ECM/C4VA301

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	80 mm
Outside diameter	170 mm
Width	39 mm

Performance	
Basic dynamic load rating	300 kN
Basic static load rating	290 kN
Reference speed	4300 r/min
Limiting speed	5000 r/min

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	C4
Tolerance class	Normal
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	16.2 kg CO ₂ e

Logistics	
Product net weight	4.51 kg
eClass code	23-05-09-01
UNSPSC code	31171505