



SKF 31316 J1/QCL7A

Single row tapered roller bearing

Single row tapered roller bearings are designed to accommodate combined radial and axial loads and provide low friction during operation. The inner ring, with rollers and cage, can be mounted separately from the outer ring. These separable and interchangeable components facilitate mounting, dismounting and maintenance. By mounting one single row tapered roller bearing against another and applying a preload, a rigid bearing application can be achieved.

Technical specifications

Dimensions	
Bore diameter	80 mm
Outside diameter	170 mm
Width, total	42.5 mm
Width, inner ring	39 mm
Width, outer ring	27 mm
Contact angle	28.8 °

Performance	
Basic dynamic load rating	224 kN
Basic static load rating	265 kN
Reference speed	2800 r/min
Limiting speed	4000 r/min

Properties	
Bearing part	Complete bearing
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Not applicable
Matched arrangement	No
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Unit system	Metric
Indicative carbon footprint for new product	14.2 kg CO ₂ e

Logistics	
Product net weight	3.95 kg
eClass code	23-05-09-10
UNSPSC code	31171516