



SKF 3316 A/C3

Double row angular contact ball bearing

Double row angular contact ball bearings correspond, in their design and operation, to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. They can operate at high speeds and are more suitable than deep groove ball bearings for supporting large axial forces in both directions.

Technical specifications

Dimensions	
Bore diameter	80 mm
Outside diameter	170 mm
Width	68.3 mm
Contact angle	30 °

Performance	
Basic dynamic load rating	193 kN
Basic static load rating	156 kN
Reference speed	4300 r/min
Limiting speed	3800 r/min
SKF performance class	SKF Explorer

Properties	
Contact type	Normal contact (two-point contact)
Number of rows	2
Locating feature, bearing outer ring	Without
Ring type	One-piece inner and outer rings
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Back-to-back (O)
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	22.6 kg CO ₂ e

Logistics	
Product net weight	6.27 kg
eClass code	23-05-08-03
UNSPSC code	31171531