



SKF 3311 ATN9/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	55 mm
Outside diameter	120 mm
Width	49.2 mm
Contact angle	30 °

Performance	
Basic dynamic load rating	112 kN
Basic static load rating	81.5 kN
Reference speed	6000 r/min
Limiting speed	5300 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	Non-metallic
Arrangement of contact angle (double-row bearing)	Back-to-back (O)
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	C3
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	7.9 kg CO ₂

Logistics	
Product net weight	2.19 kg
eClass code	23-05-08-03
UNSPSC code	31171531