



SKF 4216 ATN9

Double row deep groove ball bearing

Double row deep groove ball bearings correspond, in their design and operation, to a pair of single row deep groove ball bearings. They are robust in operation, requiring little maintenance, can operate at high speeds and accommodate radial and axial loads in both directions. They are slightly wider than single row bearings of the same bore and outside diameter but have a considerably higher load carrying capacity.

Technical specifications

Dimensions	
Bore diameter	80 mm
Outside diameter	140 mm
Width	33 mm
Shoulder diameter	102 mm
Shoulder diameter	119.6 mm
Chamfer dimension	2 mm

Abutment dimensions	
Diameter of shaft abutment	91 mm
Diameter of housing abutment	129 mm
Radius of shaft or housing fillet	2 mm

Calculation data	
Basic dynamic load rating	80.6 kN
Basic static load rating	90 kN
Fatigue load limit	3.6 kN
Reference speed	7000 r/min
Limiting speed	3800 r/min
Minimum load factor	0.05
Calculation factor	15.7

Performance	
Basic dynamic load rating	80.6 kN
Basic static load rating	90 kN
Reference speed	7000 r/min
Limiting speed	3800 r/min

Properties	
Filling slots	Without
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Non-metallic
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	7 kg CO ₂

Logistics	
Product net weight	1.95 kg
eClass code	23-05-08-01
UNSPSC code	31171504

SKF drawings