



SKF 4304 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	20 mm
Outside diameter	52 mm
Width	21 mm
Shoulder diameter	31.8 mm
Shoulder diameter	42.2 mm
Chamfer dimension	1.1 mm

Abutment dimensions	
Diameter of shaft abutment	27 mm
Diameter of housing abutment	45 mm
Radius of shaft or housing fillet	1 mm

Calculation data	
Basic dynamic load rating	23.4 kN
Basic static load rating	16 kN
Fatigue load limit	0.68 kN
Reference speed	22000 r/min
Limiting speed	12000 r/min
Minimum load factor	0.06
Calculation factor	13.1

Performance	
Basic dynamic load rating	23.4 kN
Basic static load rating	16 kN
Reference speed	22000 r/min
Limiting speed	12000 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	0.73 kg CO ₂

Logistics	
Product net weight	0.204 kg
eClass code	23-05-08-01
UNSPSC code	31171504

SKF drawings