



NTN BEARING MFG.CORP.



17 mm x 40 mm x 17.5 mm SKF 3203 ATN9
Angular Contact Ball Bearings

Bearing No. 3203 ATN9

3203 ATN9 Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.101
EAN	7316577040336
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polymer
Contact Angle	24 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	17MM Bore; 40MM Outside Diameter; 17.5MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring



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Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	5203 ATN9
Weight / LBS	0.208
d	0.669 Inch 17 Millimeter
B	0.689 Inch 17.5 Millimeter
D	1.575 Inch 40 Millimeter
bore diameter:	17 mm
radial static load capacity:	8.8 kN
outside diameter:	40 mm
cage material:	Polyamide
overall width:	0.6875 in
outer ring width:	17.5 mm
contact angle:	30 °
maximum rpm:	16000 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	0.6 mm
radial dynamic load capacity:	14.3 kN
series:	32
d	17 mm
D	40 mm
B	17.5 mm
d ₂	23.3 mm



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D_2	34.95 mm
$r_{1,2}$ min.	0.6 mm
a	23 mm
d_a min.	21.4 mm
d_a max.	23 mm
D_a max.	35.6 mm
r_a max.	0.6 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C_0	8.8 kN
Fatigue load limit P_u	0.365 kN
Reference speed	19000 r/min
Limiting speed	16000 r/min
Calculation factor k_f	0.06
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor Y_0	0.66
Calculation factor Y_1	0.78
Calculation factor Y_2	1.24
Mass bearing	0.096 kg