



NTN Bearing de Mexico, S.A.



20 mm x 47 mm x 20.6 mm SKF 3204 ATN9 Angular Contact Ball Bearings

Bearing No. 3204 ATN9

3204 ATN9 Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.16
EAN	7316577036520
Product Group	B04270
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polyamide
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	20MM Bore; 47MM Outside Diameter; 20.6MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring;



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	C0-Medium; Polyamide Cage; 30 Degree; 1 (Singl
Other Features	Glass Fibre Reinforced Cage
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	3204 ATN9
Weight / LBS	0.3406
B	0.811 Inch 20.6 Millimeter
D	1.85 Inch 47 Millimeter
d	0.787 Inch 20 Millimeter
bore diameter:	20 mm
radial static load capacity:	12 kN
outside diameter:	47 mm
cage material:	Polyamide
overall width:	0.8125 in
outer ring width:	20.6 mm
contact angle:	30 °
maximum rpm:	14000 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:	1 mm
radial dynamic load capacity:	20 kN
series:	32
d	20 mm



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D	47 mm
B	20.6 mm
d_2	27.7 mm
D_2	40.9 mm
$r_{1,2}$ min.	1 mm
a	28 mm
d_a min.	25.6 mm
D_a max.	41.4 mm
r_a max.	1 mm
Basic dynamic load rating C	20.4 kN
Basic static load rating C_0	12.9 kN
Fatigue load limit P_u	0.55 kN
Reference speed	16000 r/min
Limiting speed	14000 r/min
Calculation factor k_r	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	0.16 kg