



NTN PRECISION AXLE CORP.



3204 A-2Z Bearing 2D drawings and 3D CAD models

20 mm x 47 mm x 20.6 mm SKF 3204 A-2Z
Angular Contact Ball Bearings

Bearing No. 3204 A-2Z

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.169
EAN	7316573930860
Product Group	B00152
Enclosure	2 Metal Shields
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	Steel
Contact Angle	25 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	20MM Bore; 47MM Outside Diameter; 20.6MM Width; 2 Metal Shields; 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	5204 A-2Z
Weight / LBS	0.323
d	0.787 Inch 20 Millimeter
B	0.811 Inch 20.6 Millimeter
D	1.85 Inch 47 Millimeter
bore diameter:	20 mm
radial static load capacity:	12 kN
outside diameter:	47 mm
outer ring width:	20.6 mm
overall width:	0.8125 in
maximum rpm:	14000 RPM
contact angle:	30 °
finish/coating:	Uncoated
row type & fill slot:	Double-Row Non-Fill Slot
precision rating:	Not Rated
internal clearance:	C0
fillet radius:	1 mm
closure type:	Double Shield
series:	32
radial dynamic load capacity:	20 kN
d	20 mm
D	47 mm
B	20.6 mm
d ₂	27.7 mm
D ₂	40.9 mm



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$r_{1,2}$ min.	1 mm
a	28 mm
d_a min.	25.6 mm
d_a max.	27.5 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