



COOPER BEARING LIMITED



3210 ATN9 Bearing 2D drawings and 3D CAD models

50 mm x 90 mm x 30.2 mm SKF 3210 ATN9 Angular Contact Ball Bearings

Bearing No. 3210 ATN9

Category	Angular Contact Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.691
EAN	7316577045980
Product Group	B00152
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	50MM Bore; 90MM Outside Diameter; 30.2MM 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	3210 ATN9
Weight / LBS	1.5211
D	3.543 Inch 90 Millimeter
d	1.969 Inch 50 Millimeter
B	1.189 Inch 30.2 Millimeter
bore diameter:	50 mm
radial static load capacity:	39 kN
outside diameter:	90 mm
cage material:	Polyamide
overall width:	1.1875 in
outer ring width:	30.2 mm
contact angle:	30 °
maximum rpm:	7000 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:	51 kN
series:	32
d	50 mm



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D	90 mm
B	30.2 mm
d ₂	57.8 mm
D ₂	82.1 mm
r _{1,2} min.	1.1 mm
a	52 mm
d _a min.	57 mm
D _a max.	83 mm
r _a max.	1 mm
Basic dynamic load rating C	51 kN
Basic static load rating C ₀	42.5 kN
Fatigue load limit P _u	1.8 kN
Reference speed	8000 r/min
Limiting speed	7000 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	0.65 kg