



BEARING CORP.OF AMERICA



45 mm x 85 mm x 30.2 mm skf 3209
A-2RS1TN9/MT33 Double row angular contact
ball bearings

Bearing No. 3209 A-2RS1TN9/MT33

3209 A-2RS1TN9/MT33 Bearing 2D drawings and 3D
CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.664
EAN	7316570293890
Product Group	B00152
Enclosure	2 Seals
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	45MM Bore; 85MM Outside Diameter; 30.2MM Width; 2 Seals; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1 ISO P0; No Filling Slot;



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	No Snap Ring; C0-Medium; Polyamide Cage; 30 Degree; 1 (Si
Other Features	NBR Contact Seal Glass Fibre Reinforced Cage MT33-Lithium Soap Thickener Grease
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	3209 A-2RS1TN9/MT33
Weight / LBS	1.4616
D	3.346 Inch 85 Millimeter
d	1.772 Inch 45 Millimeter
B	1.189 Inch 30.2 Millimeter
bore diameter:	45 mm
operating temperature range:	-40 to +210 ° F
outside diameter:	85 mm
cage material:	Fiberglass Reinforced Nylon
overall width:	1.1875 in
outer ring width:	30.2 mm
contact angle:	30 °
maximum rpm:	5300 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Double Seal
fillet radius:	1 mm



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radial dynamic load capacity:	51 kN
series:	32
radial static load capacity:	39 kN
d	45 mm
D	85 mm
B	30.2 mm
d ₂	52.8 mm
D ₂	77.1 mm
r _{1,2} min.	1.1 mm
a	46 mm
d _a min.	52 mm
d _a max.	52.5 mm
D _a max.	78 mm
r _a max.	1 mm
Basic dynamic load rating C	51 kN
Basic static load rating C ₀	39 kN
Fatigue load limit P _u	1.63 kN
Limiting speed	5300 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	0.63 kg