



# MCGILL BEARING Manufacturing Private ...



3309 A-2Z Bearing 2D drawings and 3D CAD models

45 mm x 100 mm x 39.7 mm SKF 3309 A-2Z  
Angular Contact Ball Bearings

Bearing No. 3309 A-2Z

Category	Angular Contact Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.321
EAN	7316573932178
Product Group	B00152
Enclosure	2 Metal Shields
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	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 39.69MM Width; 2 Metal Shields; 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; Steel Cage; 30 Degree;
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	3309 A-2Z
Weight / LBS	2.91
B	1.563 Inch   39.69 Millimeter
D	3.937 Inch   100 Millimeter
d	1.772 Inch   45 Millimeter
bore diameter:	45 mm
radial static load capacity:	53 kN
outside diameter:	100 mm
outer ring width:	39.7 mm
overall width:	1.5625 in
maximum rpm:	6700 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:	1.5 mm
closure type:	Double Shield
series:	33
radial dynamic load capacity:	75 kN
d	45 mm
D	100 mm



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B	39.7 mm
$d_2$	55.6 mm
$D_2$	89.95 mm
$r_{1,2}$ min.	1.5 mm
a	58 mm
$d_a$ min.	54 mm
$d_a$ max.	91 mm
$D_a$ max.	91 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	75 kN
Basic static load rating $C_0$	53 kN
Fatigue load limit $P_u$	2.24 kN
Reference speed	7500 r/min
Limiting speed	6700 r/min
Calculation factor $k_r$	0.07
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	1.25 kg