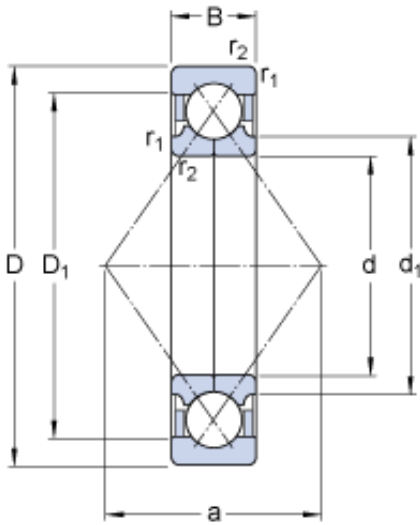




Toyana Bearing Manufacturing of Canada



QJ 309 MA Bearing 2D drawings and 3D CAD models

45 mm x 100 mm x 25 mm SKF QJ 309 MA
angular contact ball bearings

Bearing No. QJ 309 MA

Size	100x45x25 mm
Bore Diameter	100 mm
Outer Diameter	45 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
d ₁	58 mm
D ₁	81.2 mm
a	51 mm
r _{1,2} - min.	1.5 mm
d _a - min.	54 mm
D _a - max.	91 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	100 kN
Basic static load rating - C ₀	83 kN
Fatigue load limit - P _u	3.6 kN
Reference speed	9000 r/min
Limiting speed	12000 r/min
Calculation factor - k _a	1.1
Calculation factor - e	0.95
Calculation factor - X	0.6
Calculation factor - Y ₀	0.58
Calculation factor - Y ₁	0.66



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Calculation factor - Y_2	1.07
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.05
Product Group	B00308
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	35 Degree 4 Point
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Other Features	Split Inner Race
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	QJ 309 MA
Weight / LBS	2.315
Outside Diameter	3.937 Inch 100 Millimeter
Width	0.984 Inch 25 Millimeter
Bore	1.772 Inch 45 Millimeter
inside diameter:	45 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	100 mm
cage material:	Brass
overall width:	25 mm
maximum rpm:	12000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	25 mm
radial dynamic load capacity:	100 kN
fillet radius:	1.5 mm
radial static load capacity:	83 kN
series:	QJ
d_1	58 mm
D_1	81.2 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	54 mm
D_a max.	91 mm
r_a max.	1.5 mm
Basic dynamic load rating C	100 kN
Basic static load rating C_0	83 kN
Fatigue load limit P_u	3.55 kN
Calculation factor A	0.0202
Calculation factor e	0.95



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Calculation factor X	0.6
Calculation factor Y_0	0.58
Calculation factor Y_1	0.66
Calculation factor Y_2	1.07
Mass bearing	1.05 kg