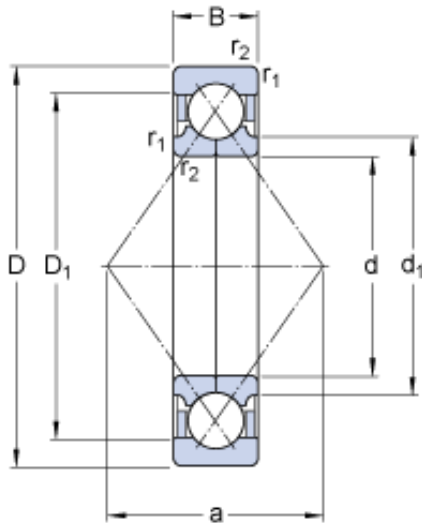




Bearing No. QJ 309 MA

D	100 mm
d	45 mm
B	25 mm
a	51 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	0.984 Inch 25 Millimeter
UNSPSC	31171531
series:	QJ
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	100x45x25
Inventory	0.0
Width (mm)	25
Weight / LBS	2.315
maximum rpm:	12000 RPM
Flush Ground	No
Mass bearing	1.05 kg
Contact Angle	35 Degree 4 Point
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
D ₁	81.2 mm
d ₁	58 mm
Limiting speed	12000 r/min
fillet radius:	1.5 mm

overall width:	25 mm
cage material:	Brass
Keyword String	Angular Contact
Other Features	Split Inner Race
Bearing number	QJ 309 MA
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	9000 r/min
finish/coating:	Uncoated
inside diameter:	45 mm
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
Outside Diameter	3.937 Inch 100 Millimeter
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
Weight / Kilogram	1.05
outer ring width:	25 mm
outside diameter:	100 mm
precision rating:	ABEC 1 (ISO Class Normal)
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	54 mm
D _a max.	91 mm
r _a max.	1.5 mm
Bore Diameter (mm)	100
Outer Diameter (mm)	45
internal clearance:	C0

Calculation factor X	0.6
$r_{1,2}$ min.	1.5 mm
Calculation factor e	0.95
Minimum Buy Quantity	N/A
Calculation factor A	0.0202
d_a - min.	54 mm
D_a - max.	91 mm
r_a - max.	1.5 mm
D_1 ?	81.2 mm
d_1 ?	58 mm
$r_{1,2}$ - min.	1.5 mm
Calculation factor - X	0.6
Harmonized Tariff Code	8482.10.50.28
Calculation factor - e	0.95
Number of Rows of Balls	Single Row
Manufacturer Item Number	QJ 309 MA
Basic dynamic load rating C	100 kN
radial static load capacity:	83 kN
Basic dynamic load rating - C	100 kN
radial dynamic load capacity:	100 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.66
Calculation factor Y_2	1.07
Calculation factor Y_0	0.58
Fatigue load limit P_u	3.55 kN
Calculation factor - k_a	1.1
Calculation factor - Y_0	0.58
Calculation factor - Y_2	1.07

Fatigue load limit - P_u	3.6 kN
Calculation factor - Y_1	0.66
Basic static load rating C_0	83 kN
Basic static load rating - C_0	83 kN