



GF BEARING-SINGAPORE LTD.



45 mm x 85 mm x 19 mm skf QJ 209 MA four-point contact ball bearings

Bearing No. QJ 209 MA

QJ 209 MA Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.52
EAN	7316576631986
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; 85MM Outside Diameter; 19MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring



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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
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	QJ 209 MA
Weight / LBS	1.151
D	3.346 Inch 85 Millimeter
B	0.748 Inch 19 Millimeter
d	1.772 Inch 45 Millimeter
inside diameter:	45 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	85 mm
cage material:	Brass
overall width:	19 mm
maximum rpm:	14000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	19 mm
radial dynamic load capacity:	63 kN
fillet radius:	1 mm
radial static load capacity:	56 kN
series:	QJ
d	45 mm
D	85 mm
B	19 mm
d ₁	54.5 mm



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D_1	72 mm
a	46 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	52 mm
D_a max.	78 mm
r_a max.	1 mm
Basic dynamic load rating C	63 kN
Basic static load rating C_0	56 kN
Fatigue load limit P_u	2.36 kN
Limiting speed	14000 r/min
Calculation factor A	0.00871
Calculation factor e	0.95
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	0.52 kg