



GF BEARING-SINGAPORE LTD.



55 mm x 120 mm x 29 mm skf QJ 311 MA four-point contact ball bearings

Bearing No. QJ 311 MA

QJ 311 MA Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.74
EAN	7316576632532
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	55MM Bore; 120MM Outside Diameter; 29MM 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 311 MA
Weight / LBS	3.836
B	1.142 Inch 29 Millimeter
D	4.724 Inch 120 Millimeter
d	2.165 Inch 55 Millimeter
inside diameter:	55 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	120 mm
cage material:	Brass
overall width:	29 mm
maximum rpm:	10000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	29 mm
radial dynamic load capacity:	137 kN
fillet radius:	2 mm
radial static load capacity:	118 kN
series:	QJ
d	55 mm
D	120 mm
B	29 mm
d ₁	70.5 mm



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D_1	97.8 mm
a	61 mm
$r_{1,2}$ min.	2 mm
d_a min.	66 mm
D_a max.	109 mm
r_a max.	2 mm
Basic dynamic load rating C	137 kN
Basic static load rating C_0	118 kN
Fatigue load limit P_u	5 kN
Limiting speed	10000 r/min
Calculation factor A	0.0404
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	1.75 kg