



GARLOCK BEARINGS LTD



55 mm x 100 mm x 21 mm SKF QJ 211 MA Angular Contact Ball Bearings

Bearing No. QJ 211 MA

QJ 211 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	0.77
EAN	7316576632013
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; 100MM Outside Diameter; 21MM 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 211 MA
Weight / LBS	1.702
D	3.937 Inch 100 Millimeter
d	2.165 Inch 55 Millimeter
B	0.827 Inch 21 Millimeter
inside diameter:	55 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	100 mm
cage material:	Brass
overall width:	21 mm
maximum rpm:	11000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	21 mm
radial dynamic load capacity:	85 kN
fillet radius:	1.5 mm
radial static load capacity:	83 kN
series:	QJ
d	55 mm
D	100 mm
B	21 mm
d ₁	66 mm



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D_1	84.7 mm
a	54 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	64 mm
D_a max.	91 mm
r_a max.	1.5 mm
Basic dynamic load rating C	85 kN
Basic static load rating C_0	83 kN
Fatigue load limit P_u	3.55 kN
Limiting speed	11000 r/min
Calculation factor A	0.0173
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	0.77 kg