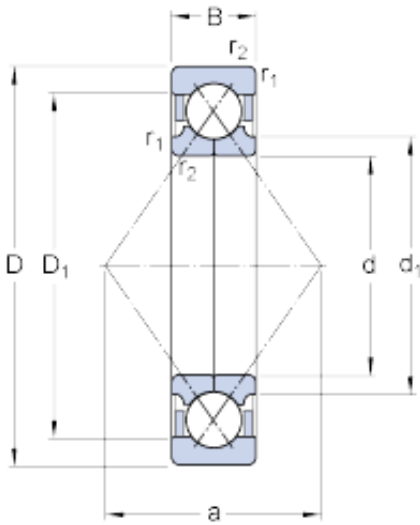




SIGMA BEARINGS EXPORTED LTD



QJ 314 MA Bearing 2D drawings and 3D CAD models

70 mm x 150 mm x 35 mm SKF QJ 314 MA
angular contact ball bearings

Bearing No. QJ 314 MA

Size	150x70x35 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	35 mm
d	70 mm
D	150 mm
B	35 mm
d ₁	89 mm
D ₁	123 mm
a	77 mm
r _{1,2} - min.	2.1 mm
d _a - min.	82 mm
D _a - max.	138 mm
r _a - max.	2 mm
Basic dynamic load rating - C	200 kN
Basic static load rating - C ₀	180 kN
Fatigue load limit - P _u	7.4 kN
Reference speed	5600 r/min
Limiting speed	8000 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	3.21
EAN	7316577013071
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	70MM Bore; 150MM Outside Diameter; 35MM 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



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Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	QJ 314 MA
Weight / LBS	7.068
Width	1.378 Inch 35 Millimeter
Bore	2.756 Inch 70 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
inside diameter:	70 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	150 mm
cage material:	Brass
overall width:	35 mm
maximum rpm:	8000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	35 mm
radial dynamic load capacity:	200 kN
fillet radius:	2 mm
radial static load capacity:	180 kN
series:	QJ
d_1	89 mm
D_1	123 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	82 mm
D_a max.	138 mm
r_a max.	2 mm
Basic dynamic load rating C	200 kN
Basic static load rating C_0	180 kN
Fatigue load limit P_u	7.35 kN
Calculation factor A	0.0954



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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	3.15 kg