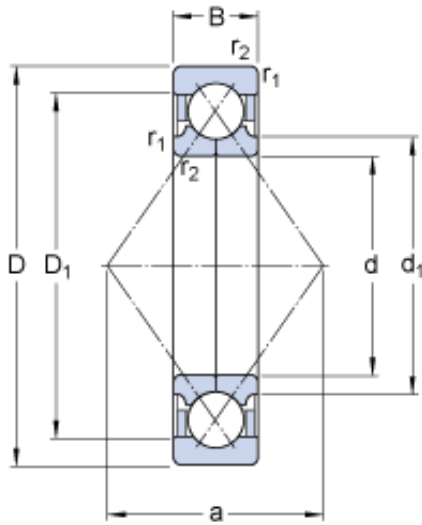




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QJ 307 MA Bearing 2D drawings and 3D CAD models

35 mm x 80 mm x 21 mm skf QJ 307 MA four-point contact ball bearings

Bearing No. QJ 307 MA

Size	80x35x21 mm
Bore Diameter	80 mm
Outer Diameter	35 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
d ₁	46.2 mm
D ₁	64.3 mm
a	40 mm
r _{1,2} - min.	1.5 mm
d _a - min.	44 mm
D _a - max.	71 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	64 kN
Basic static load rating - C ₀	51 kN
Fatigue load limit - P _u	2.2 kN
Reference speed	11000 r/min
Limiting speed	15000 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	0.571
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	35MM Bore; 80MM Outside Diameter; 21MM 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
Keyword String	Angular Contact



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	QJ 307 MA
Weight / LBS	1.261
Outside Diameter	3.15 Inch 80 Millimeter
Width	0.827 Inch 21 Millimeter
Bore	1.378 Inch 35 Millimeter
inside diameter:	35 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	80 mm
cage material:	Brass
overall width:	21 mm
maximum rpm:	15000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	21 mm
radial dynamic load capacity:	64 kN
fillet radius:	1.5 mm
radial static load capacity:	51 kN
series:	QJ
d_1	46.2 mm
D_1	64.3 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	44 mm
D_a max.	71 mm
r_a max.	1.5 mm
Basic dynamic load rating C	64 kN
Basic static load rating C_0	51 kN
Fatigue load limit P_u	2.16 kN
Calculation factor A	0.00744
Calculation factor e	0.95



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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	0.57 kg