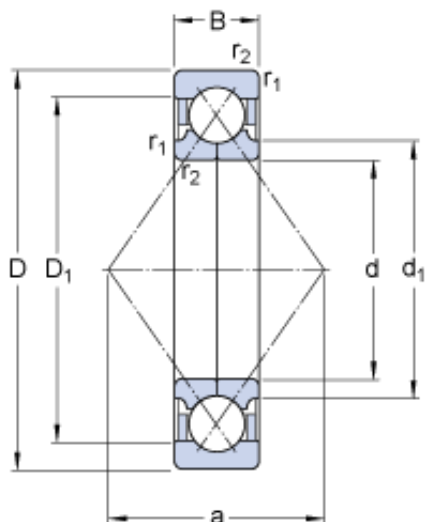




High Temperature BEARINGS CO., LTD



35 mm x 80 mm x 21 mm SKF QJ 307 MA
angular contact ball bearings

Bearing No. QJ 307 MA

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

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
EAN	7316576632327
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



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Keyword String	Angular Contact
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



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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	0.57 kg