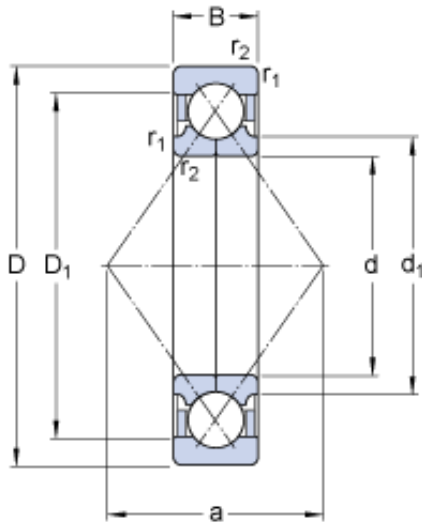




## GF BEARING-SINGAPORE LTD.



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 <sub>1</sub>	46.2 mm
D <sub>1</sub>	64.3 mm
a	40 mm
r <sub>1,2</sub> - min.	1.5 mm
d <sub>a</sub> - min.	44 mm
D <sub>a</sub> - max.	71 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	64 kN
Basic static load rating - C <sub>0</sub>	51 kN
Fatigue load limit - P <sub>u</sub>	2.2 kN
Reference speed	11000 r/min
Limiting speed	15000 r/min
Calculation factor - k <sub>a</sub>	1.1
Calculation factor - e	0.95
Calculation factor - X	0.6
Calculation factor - Y <sub>0</sub>	0.58
Calculation factor - Y <sub>1</sub>	0.66



## GF BEARING-SINGAPORE LTD.

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



## GF BEARING-SINGAPORE LTD.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
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



## GF BEARING-SINGAPORE LTD.

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