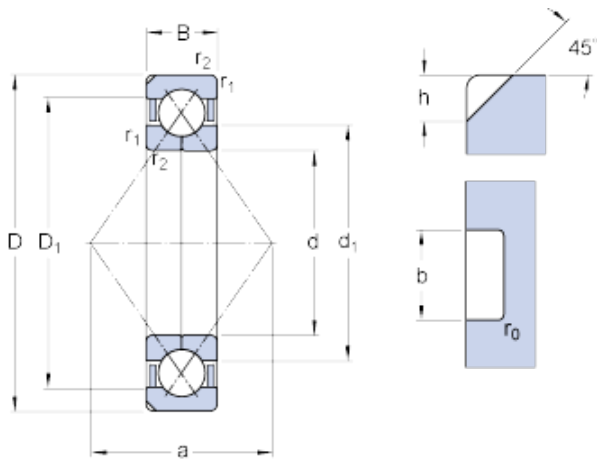




# GF BEARING-SINGAPORE LTD.



220 mm x 400 mm x 78 mm skf QJ 1244 N2MA  
four-point contact ball bearings

Bearing No. QJ 1244 N2MA

QJ 1244 N2MA Bearing 2D drawings and 3D CAD models

Size	400x220x78 mm
Bore Diameter	400 mm
Outer Diameter	220 mm
Width	78 mm
d	220 mm
D	400 mm
B	78 mm
d <sub>1</sub>	287 mm
D <sub>1</sub>	333 mm
a	310 mm
h	12.7 mm
b	10.55 mm
r <sub>0</sub>	2 mm
r <sub>1,2</sub> - min.	4 mm
d <sub>a</sub> - min.	238 mm
D <sub>a</sub> - max.	382 mm
r <sub>a</sub> - max.	3 mm
Basic dynamic load rating - C	364 kN
Basic static load rating - C <sub>0</sub>	1020 kN
Fatigue load limit - P <sub>u</sub>	24.5 kN
Reference speed	1800 r/min
Limiting speed	1800 r/min
Calculation factor - k <sub>a</sub>	0.9
Calculation factor - e	1.34



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Calculation factor - X	0.33
Calculation factor - Y <sub>0</sub>	0.44
Calculation factor - Y <sub>1</sub>	0.47
Calculation factor - Y <sub>2</sub>	0.81
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	49.2
EAN	7316571636221
Product Group	B00308
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
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	220MM Bore; 400MM Outside Diameter; 78MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Brass Cage; 35 Degree   4 Point; 1
Other Features	Split Inner Race   Outer Ring Centred   Two



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	Locating Slots
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	QJ 1244 N2MA
Weight / LBS	100.31021
Outside Diameter	15.748 Inch   400 Millimeter
Bore	8.661 Inch   220 Millimeter
Width	3.071 Inch   78 Millimeter
inside diameter:	220 mm
precision rating:	Not Rated
outside diameter:	400 mm
cage material:	Brass
overall width:	78 mm
maximum rpm:	2600 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	78 mm
radial dynamic load capacity:	592 kN
series:	QJ
radial static load capacity:	1020 kN
d <sub>1</sub>	287 mm
D <sub>1</sub>	333 mm
r <sub>0</sub>	2 mm
r <sub>1,2</sub> min.	4 mm
d <sub>a</sub> min.	238 mm
D <sub>a</sub> max.	382 mm



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$r_a$ max.	3 mm
Basic dynamic load rating C	592 kN
Basic static load rating $C_0$	1020 kN
Fatigue load limit $P_u$	24.5 kN
Calculation factor A	6.47
Calculation factor e	1.34
Calculation factor X	0.54
Calculation factor $Y_0$	0.44
Calculation factor $Y_1$	0.47
Calculation factor $Y_2$	0.81
Mass bearing	45.5 kg