



## GF BEARING-SINGAPORE LTD.



90 mm x 160 mm x 30 mm skf QJ 218 N2MA  
four-point contact ball bearings

Bearing No. QJ 218 N2MA

QJ 218 N2MA Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.75
EAN	7316577108470
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	90MM Bore; 160MM Outside Diameter; 30MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring



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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
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	QJ 218 N2MA
Weight / LBS	6.054
D	6.299 Inch   160 Millimeter
d	3.543 Inch   90 Millimeter
B	1.181 Inch   30 Millimeter
inside diameter:	90 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	160 mm
cage material:	Brass
overall width:	30 mm
maximum rpm:	7000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	30 mm
radial dynamic load capacity:	186 kN
fillet radius:	2 mm
radial static load capacity:	200 kN
series:	QJ
d	90 mm
D	160 mm
B	30 mm
d <sub>1</sub>	114 mm



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$D_1$	136 mm
a	88 mm
h	8.1 mm
b	6.5 mm
$r_0$	1 mm
$r_{1,2}$ min.	2 mm
$d_a$ min.	101 mm
$D_a$ max.	149 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	186 kN
Basic static load rating $C_0$	200 kN
Fatigue load limit $P_u$	7.65 kN
Limiting speed	7000 r/min
Calculation factor A	0.106
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	2.75 kg