



GF BEARING-SINGAPORE LTD.



100 mm x 215 mm x 47 mm skf QJ 320 N2MA
four-point contact ball bearings

Bearing No. QJ 320 N2MA

QJ 320 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	8.73
EAN	7316577109682
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	100MM Bore; 215MM Outside Diameter; 47MM 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	http://www.skf.com
Manufacturer Item Number	QJ 320 N2MA
Weight / LBS	19.228
B	1.85 Inch 47 Millimeter
D	8.465 Inch 215 Millimeter
d	3.937 Inch 100 Millimeter
inside diameter:	100 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	215 mm
cage material:	Brass
overall width:	47 mm
maximum rpm:	5600 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	47 mm
radial dynamic load capacity:	345 kN
fillet radius:	2 mm
radial static load capacity:	400 kN
series:	QJ
d	100 mm
D	215 mm
B	47 mm
d ₁	139 mm



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D_1	176 mm
a	110 mm
h	11.7 mm
b	10.5 mm
r_0	2 mm
$r_{1,2}$ min.	3 mm
d_a min.	114 mm
D_a max.	201 mm
r_a max.	2 mm
Basic dynamic load rating C	345 kN
Basic static load rating C_0	400 kN
Fatigue load limit P_u	13.7 kN
Limiting speed	5600 r/min
Calculation factor A	0.442
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	9.3 kg