



Machinery Parts Bearing Co., Ltd.



120 mm x 215 mm x 40 mm SKF QJ 224 N2MA
Angular Contact Ball Bearings

Bearing No. QJ 224 N2MA

QJ 224 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	6.711
EAN	7316577108661
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	120MM Bore; 215MM Outside Diameter; 40MM 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 224 N2MA
Weight / LBS	14.77
d	4.724 Inch 120 Millimeter
D	8.465 Inch 215 Millimeter
B	1.575 Inch 40 Millimeter
inside diameter:	120 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	215 mm
cage material:	Brass
overall width:	40 mm
maximum rpm:	5000 RPM
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	40 mm
radial dynamic load capacity:	300 kN
fillet radius:	2 mm
radial static load capacity:	365 kN
series:	QJ
d	120 mm
D	215 mm
B	40 mm
d ₁	152 mm



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D_1	183 mm
a	117 mm
h	11.7 mm
b	10.5 mm
r_0	2 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	132 mm
D_a max.	203 mm
r_a max.	2 mm
Basic dynamic load rating C	300 kN
Basic static load rating C_0	365 kN
Fatigue load limit P_u	12 kN
Limiting speed	5000 r/min
Calculation factor A	0.354
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	6.95 kg