



NTNY BEARING LTD



120 mm x 215 mm x 40 mm skf 7224 bcbm bearing

Bearing No. 7224 bcbm

7224 bcbm Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	8.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	5.9
EAN	7316577746016
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
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	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	120MM Bore; 215MM Outside Diameter; 40MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap



NTNY BEARING LTD

	Ring
Other Features	Normal Axial Internal Clearance
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	7224 BCBM
Weight / LBS	12.991
D	8.465 Inch 215 Millimeter
B	1.575 Inch 40 Millimeter
d	4.724 Inch 120 Millimeter
bore diameter:	120 mm
radial static load capacity:	163 kN
outside diameter:	215 mm
cage material:	Brass
overall width:	40 mm
outer ring width:	40 mm
contact angle:	40 °
maximum rpm:	3600 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	165 kN
series:	72
d	120 mm



NTNY BEARING LTD

D	215 mm
B	40 mm
d ₁	157 mm
d ₂	138.6 mm
D ₁	179.4 mm
a	90 mm
r _{1,2} min.	2.1 mm
r _{3,4} min.	1.1 mm
d _a min.	132 mm
D _a max.	203 mm
D _b max.	208 mm
r _a max.	2 mm
r _b max.	1 mm
Basic dynamic load rating C	165 kN
Basic static load rating C ₀	163 kN
Fatigue load limit P _u	5.3 kN
Reference speed	3600 r/min
Limiting speed	4000 r/min
Calculation factor A	0.45
Calculation factor k _r	0.08
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y ₀	0.26
Calculation factor Y ₂	0.57
Calculation factor X	0.57
Calculation factor Y ₀	0.52
Calculation factor Y ₁	0.55
Calculation factor Y ₂	0.93
Mass bearing	5.89 kg