



GARLOCK BEARINGS LTD



120 mm x 260 mm x 55 mm SKF 7324 BCBM Angular Contact Ball Bearings

Bearing No. 7324 BCBM

7324 BCBM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	13.85
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; 260MM Outside Diameter; 55MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring



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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	7324 BCBM
Weight / LBS	30.497
B	2.165 Inch 55 Millimeter
D	10.236 Inch 260 Millimeter
d	4.724 Inch 120 Millimeter
bore diameter:	120 mm
radial static load capacity:	250 kN
outside diameter:	260 mm
cage material:	Brass
overall width:	55 mm
outer ring width:	55 mm
contact angle:	40 °
maximum rpm:	3000 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:	2.5 mm
radial dynamic load capacity:	238 kN
series:	73
d	120 mm
D	260 mm



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B	55 mm
d ₁	178.4 mm
d ₂	153.85 mm
D ₁	211 mm
a	107 mm
r _{1,2} min.	3 mm
r _{3,4} min.	1.5 mm
d _a min.	134 mm
D _a max.	246 mm
D _b max.	253 mm
r _a max.	2.5 mm
r _b max.	1 mm
Basic dynamic load rating C	238 kN
Basic static load rating C ₀	250 kN
Fatigue load limit P _u	7.65 kN
Reference speed	3000 r/min
Limiting speed	3600 r/min
Calculation factor A	1.11
Calculation factor k _r	0.09
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	14.5 kg