



SNR BEARING CORP.OF AMERICA



150 mm x 270 mm x 45 mm skf 7230 BCBM
Single row angular contact ball bearings

Bearing No. 7230 BCBM

7230 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	10.84
EAN	7316570032420
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	150MM Bore; 270MM Outside Diameter; 45MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap



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	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	7230 BCBM
Weight / LBS	23.876
D	10.63 Inch 270 Millimeter
d	5.906 Inch 150 Millimeter
B	1.772 Inch 45 Millimeter
bore diameter:	150 mm
radial static load capacity:	240 kN
outside diameter:	270 mm
cage material:	Brass
overall width:	45 mm
outer ring width:	45 mm
contact angle:	40 °
maximum rpm:	2800 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:	216 kN
series:	72
d	150 mm



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D	270 mm
B	45 mm
d ₁	197.2 mm
d ₂	175.6 mm
D ₁	225.95 mm
a	111 mm
r _{1,2} min.	3 mm
r _{3,4} min.	1.1 mm
d _a min.	164 mm
D _a max.	256 mm
D _b max.	263 mm
r _a max.	2.5 mm
r _b max.	1 mm
Basic dynamic load rating C	216 kN
Basic static load rating C ₀	240 kN
Fatigue load limit P _u	6.95 kN
Reference speed	2800 r/min
Limiting speed	3200 r/min
Calculation factor A	1.01
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	11.5 kg