



# SNR BEARING CORP.OF AMERICA



55 mm x 140 mm x 33 mm skf 7411 BCBM  
Single row angular contact ball bearings

Bearing No. 7411 BCBM

7411 BCBM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.66
EAN	7316571267142
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	55MM Bore; 140MM Outside Diameter; 33MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7411 BCBM
Weight / LBS	5.864
D	5.512 Inch   140 Millimeter
d	2.165 Inch   55 Millimeter
B	1.299 Inch   33 Millimeter
bore diameter:	55 mm
radial static load capacity:	76.5 kN
outside diameter:	140 mm
cage material:	Brass
overall width:	33 mm
outer ring width:	33 mm
contact angle:	40 °
maximum rpm:	6300 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:	111 kN
series:	74
d	55 mm



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D	140 mm
B	33 mm
d <sub>1</sub>	88.5 mm
d <sub>2</sub>	72.01 mm
D <sub>1</sub>	108.4 mm
a	57.8 mm
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
d <sub>a</sub> min.	67 mm
D <sub>a</sub> max.	128 mm
D <sub>b</sub> max.	126.7 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	2 mm
Basic dynamic load rating C	111 kN
Basic static load rating C <sub>0</sub>	76.5 kN
Fatigue load limit P <sub>u</sub>	3.25 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor A	0.112
Calculation factor k <sub>r</sub>	0.1
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y <sub>0</sub>	0.26
Calculation factor Y <sub>2</sub>	0.57
Calculation factor X	0.57
Calculation factor Y <sub>0</sub>	0.52
Calculation factor Y <sub>1</sub>	0.55
Calculation factor Y <sub>2</sub>	0.93
Mass bearing	2.75 kg