



GARLOCK BEARINGS LTD



55 mm x 140 mm x 33 mm SKF 7411 BGBM Angular Contact Ball Bearings

Bearing No. 7411 BGBM

7411 BGBM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.66
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	C0-Medium
Number of Bearings	1 (Single)
Preload	Medium
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
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	7411 BGBM
Weight / LBS	5.864
B	1.299 Inch 33 Millimeter
d	2.165 Inch 55 Millimeter
D	5.512 Inch 140 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
D	140 mm
B	33 mm



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d_1	88.5 mm
d_2	72.01 mm
D_1	108.4 mm
a	57.8 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	2.1 mm
d_a min.	67 mm
D_a max.	128 mm
D_b max.	126.7 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	111 kN
Basic static load rating C_0	76.5 kN
Fatigue load limit P_u	3.25 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor A	0.112
Calculation factor k_r	0.1
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	2.75 kg