



Bearing No. 7411 BM

a	57.8 mm
d	55 mm
D	140 mm
B	33 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
Width	1.299 Inch 33 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	140x55x33
Inventory	0.0
Width (mm)	33
Weight / LBS	5.864
maximum rpm:	6300 RPM
Flush Ground	No
Mass bearing	2.35 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	88.5 mm
d ₂	72.01 mm
D ₁	108.4 mm

Bearing number	7411 BM
Keyword String	Angular Contact
fillet radius:	2 mm
contact angle:	40 °
overall width:	33 mm
cage material:	Brass
bore diameter:	55 mm
Limiting speed	6300 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Reference speed	6000 r/min
Precision Class	ABEC 3 ISO P6
Outside Diameter	5.512 Inch 140 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	55MM Bore; 140MM Outside Diameter; 33MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	33 mm
outside diameter:	140 mm
precision rating:	ABEC 3 (ISO Class 6)
Manufacturer Name	SKF
Weight / Kilogram	2.66
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	67 mm
Bore Diameter (mm)	140
D _a max.	128 mm
D _b max.	126.7 mm
r _a max.	2 mm

r_b max.	2 mm
Outer Diameter (mm)	55
internal clearance:	C0
$r_{1,2}$ min.	2.1 mm
Calculation factor A	0.112
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	2.1 mm
Minimum Buy Quantity	N/A
D_a - max.	128 mm
r_b - max.	2 mm
r_a - max.	2 mm
D_b - max.	126.7 mm
d_a - min.	67 mm
d_2 ?	72.01 mm
D_1 ?	108.4 mm
d_1 ?	88.5 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	2.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7411 BM
Basic dynamic load rating C	111 kN
radial static load capacity:	76.5 kN
Basic dynamic load rating - C	111 kN
radial dynamic load capacity:	111 kN

Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor k_r	0.1
Fatigue load limit P_u	3.25 kN
Calculation factor Y_0	0.52
Fatigue load limit - P_u	3.2 kN
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - k_a	1.6
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.1
Basic static load rating C_0	76.5 kN
Basic static load rating - C_0	76.5 kN