



BEARING CORP.OF CANADA LTD.



60 mm x 150 mm x 35 mm SKF 7412 BM Angular Contact Ball Bearings

Bearing No. 7412 BM

7412 BM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	3.05
Product Group	B00308
Enclosure	Open
Flush Ground	No
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)
Inch - Metric	Metric
Long Description	60MM Bore; 150MM Outside Diameter; 35MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball



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	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	7412 BM
Weight / LBS	6.724
D	5.906 Inch 150 Millimeter
B	1.378 Inch 35 Millimeter
d	2.362 Inch 60 Millimeter
bore diameter:	60 mm
radial static load capacity:	86.5 kN
outside diameter:	150 mm
cage material:	Brass
overall width:	35 mm
outer ring width:	35 mm
contact angle:	40 °
maximum rpm:	5600 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:	119 kN
series:	74
d	60 mm
D	150 mm
B	35 mm
d ₁	95.15 mm
d ₂	77.95 mm



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D_1	116.46 mm
a	62 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	2.1 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	135.4 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	119 kN
Basic static load rating C_0	86.5 kN
Fatigue load limit P_u	3.55 kN
Reference speed	5600 r/min
Limiting speed	6000 r/min
Calculation factor A	0.144
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	3.3 kg