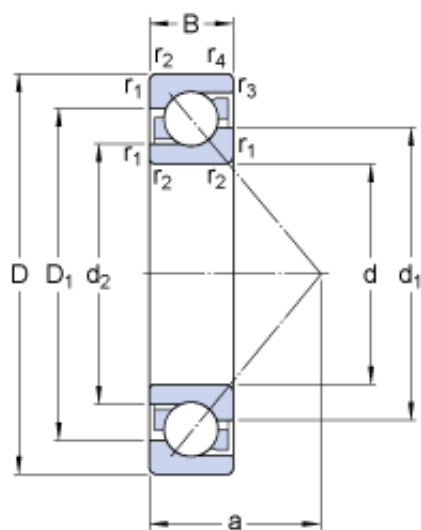




Bearing No. 7414 BCBM

a	74 mm
d	70 mm
D	180 mm
B	40 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	1.654 Inch 42 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	180x70x40
Inventory	2.0
Width (mm)	40
Weight / LBS	12.346
maximum rpm:	4800 RPM
Flush Ground	Yes
Mass bearing	5.8 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	91.03 mm
d ₁	111.76 mm
D ₁	140.45 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	2.5 mm
contact angle:	40 °
overall width:	42 mm
cage material:	Brass
bore diameter:	70 mm
Keyword String	Angular Contact
Bearing number	7414 BCBM
Limiting speed	4800 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	4500 r/min
Long Description	70MM Bore; 180MM Outside Diameter; 42MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	7.087 Inch 180 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	5.61
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	180 mm
Manufacturer Name	SKF
outer ring width:	42 mm
d _a min.	84 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	180
r _b max.	2 mm
r _a max.	2 mm

Internal Clearance	CB
D _b max.	144.5 mm
D _a max.	188 mm
internal clearance:	C0
Outer Diameter (mm)	70
r _{1,2} min.	3 mm
Calculation factor A	0.31
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	3 mm
r _b - max.	2 mm
r _a - max.	2 mm
D _b - max.	144.5 mm
d _a - min.	84 mm
Minimum Buy Quantity	N/A
D _a - max.	188 mm
D ₁ ?	140.45 mm
d ₂ ?	91.03 mm
d ₁ ?	111.76 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	3 mm
r _{3,4} - min.	3 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7414 BCBM
Basic dynamic load rating C	159 kN
radial static load capacity:	127 kN

radial dynamic load capacity:	159 kN
Basic dynamic load rating - C	159 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.1
Fatigue load limit P_u	4.8 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	4.8 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	127 kN
Basic static load rating - C_0	127 kN