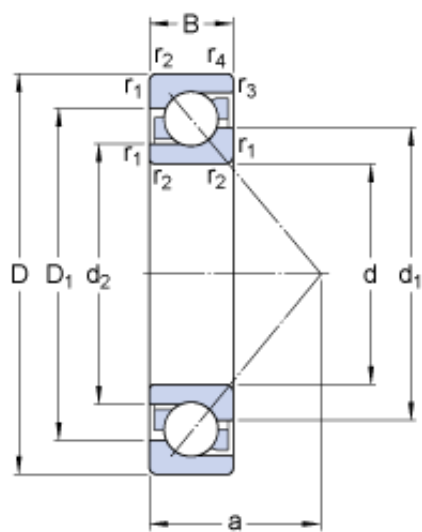




Bearing No. 7414 BGAM

a	74 mm
d	70 mm
D	180 mm
B	40 mm
Bore	2.756 Inch 70 Millimeter
Noun	Bearing
Width	1.654 Inch 42 Millimeter
UNSPSC	31171531
Preload	Light
series:	74
Category	Angular Contact Ball Bearing
Size (mm)	180x70x40
Snap Ring	No
Enclosure	Open
Inventory	0.0
Width (mm)	40
Weight / LBS	12.346
maximum rpm:	4800 RPM
Flush Ground	Yes
Mass bearing	5 kg
D ₁	140.45 mm
Product Group	B00308
closure type:	Open
d ₁	111.76 mm
d ₂	91.03 mm
Inch - Metric	Metric
Contact Angle	40 Degree

Cage Material	Brass
fillet radius:	2.5 mm
overall width:	42 mm
bore diameter:	70 mm
Keyword String	Angular Contact
Bearing number	7414 BGAM
Limiting speed	4800 r/min
Reference speed	4500 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
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
Manufacturer Name	SKF
precision rating:	Not Rated
outside diameter:	180 mm
outer ring width:	42 mm
Weight / Kilogram	5.61
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
r_b max.	2 mm
r_a max.	2 mm
D_b max.	144.5 mm
D_a max.	188 mm
d_a min.	84 mm
Bore Diameter (mm)	180

Outer Diameter (mm)	70
internal clearance:	C0
Calculation factor A	0.31
D _b - max.	144.5 mm
r _{1,2} min.	3 mm
r _b - max.	2 mm
Minimum Buy Quantity	N/A
r _{3,4} min.	3 mm
Calculation factor e	1.14
r _a - max.	2 mm
d _a - min.	84 mm
Calculation factor X	0.57
Mounting Arrangement	Universal
D _a - max.	188 mm
d ₁ ?	111.76 mm
d ₂ ?	91.03 mm
row type & fill slot:	Single-Row Non-Fill Slot
D ₁ ?	140.45 mm
Calculation factor - e	1.14
Calculation factor - X	0.35
r _{3,4} - min.	3 mm
Harmonized Tariff Code	8482.10.50.28
r _{1,2} - min.	3 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7414 BGAM
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_2	0.93
Calculation factor Y_1	0.55
Calculation factor Y_0	0.52
Calculation factor k_r	0.1
Fatigue load limit P_u	4.8 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Calculation factor - k_a	1.6
Fatigue load limit - P_u	4.8 kN
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Basic static load rating C_0	127 kN
Basic static load rating - C_0	127 kN