



Bearing No. 7024 BGM

D	180 mm
d	120 mm
B	28 mm
a	77 mm
Bore	4.724 Inch 120 Millimeter
Noun	Bearing
Width	1.102 Inch 28 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	180x120x28
Width (mm)	28
Flush Ground	Yes
Mass bearing	2.4 kg
Contact Angle	40 Degree
Cage Material	Brass
Inch - Metric	Metric
D ₁	157.9 mm
d ₂	132.95 mm
d ₁	143.6 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7024 BGM
Limiting speed	4000 r/min
Precision Class	ABEC 1 ISO P0

Rolling Element	Ball Bearing
Reference speed	3800 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Brass Cage; 40 Degree; 1 (Single);
Weight / Kilogram	2.332
Manufacturer Name	SKF
r_b max.	1 mm
Internal Clearance	C0-Medium
r_a max.	2 mm
D_b max.	174 mm
Bore Diameter (mm)	180
D_a max.	170 mm
d_a min.	130 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	120
d_a - min.	130 mm
D_a - max.	170 mm
Mounting Arrangement	Universal
r_a - max.	2 mm
D_b - max.	174 mm
$r_{1,2}$ min.	2 mm
r_b - max.	1 mm
Minimum Buy Quantity	N/A
Calculation factor A	0.139

Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1 mm
d_1 ?	143.6 mm
d_2 ?	132.95 mm
D_1 ?	157.9 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
$r_{3,4}$ - min.	1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7024 BGM
Basic dynamic load rating C	87.1 kN
Basic dynamic load rating - C	87.1 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Calculation factor k_r	0.083
Fatigue load limit P_u	3.2 kN
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.083
Fatigue load limit - P_u	3.2 kN
Calculation factor - k_a	0.9
Basic static load rating C_0	93 kN

Basic static load rating - C_0	93 kN
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