



Bearing No. 7036 BGM

D	280 mm
d	180 mm
B	46 mm
a	119 mm
Bore	7.087 Inch 180 Millimeter
Noun	Bearing
Width	1.811 Inch 46 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	280x180x46
Width (mm)	46
Flush Ground	Yes
Mass bearing	10 kg
Contact Angle	40 Degree
Cage Material	Brass
Inch - Metric	Metric
D ₁	243.1 mm
d ₂	201.75 mm
d ₁	219.4 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7036 BGM
Limiting speed	2600 r/min
Precision Class	ABEC 1 ISO P0

Reference speed	2400 r/min
Rolling Element	Ball Bearing
Outside Diameter	11.024 Inch 280 Millimeter
Long Description	180MM Bore; 280MM Outside Diameter; 46MM 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);
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
Weight / Kilogram	9.95
D _b max.	273 mm
d _a min.	192 mm
D _a max.	268 mm
Internal Clearance	C0-Medium
r _a max.	2 mm
Number of Bearings	1 (Single)
r _b max.	1 mm
Bore Diameter (mm)	280
Outer Diameter (mm)	180
d _a - min.	192 mm
D _a - max.	268 mm
Mounting Arrangement	Universal
r _{1,2} min.	2.1 mm
r _a - max.	2 mm
D _b - max.	273 mm
r _{3,4} min.	1.1 mm
r _b - max.	1 mm
Minimum Buy Quantity	N/A

Calculation factor A	0.912
Calculation factor e	1.14
Calculation factor X	0.57
d_1 ?	219.4 mm
d_2 ?	201.75 mm
D_1 ?	243.1 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Basic dynamic load rating C	195 kN
Basic dynamic load rating - C	195 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	6.7 kN
Calculation factor k_r	0.083
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Fatigue load limit - P_u	6.7 kN
Calculation factor - k_r	0.083
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26
Calculation factor - k_a	0.9
Basic static load rating C_0	240 kN
Basic static load rating - C_0	240 kN

