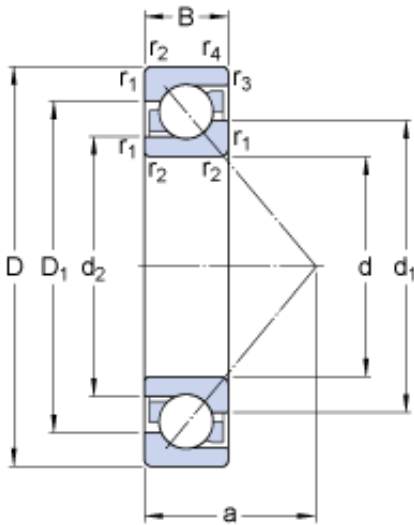




# SNR BEARING CORP.OF AMERICA



7036 BGM Bearing 2D drawings and 3D CAD models

180 mm x 280 mm x 46 mm skf 7036 BGM  
Single row angular contact ball bearings

Bearing No. 7036 BGM

Size	280x180x46 mm
Bore Diameter	280 mm
Outer Diameter	180 mm
Width	46 mm
d	180 mm
D	280 mm
B	46 mm
d <sub>1</sub>	219.4 mm
d <sub>2</sub>	201.75 mm
D <sub>1</sub>	243.1 mm
a	119 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	192 mm
D <sub>a</sub> - max.	268 mm
D <sub>b</sub> - max.	273 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	195 kN
Basic static load rating - C <sub>0</sub>	240 kN
Fatigue load limit - P <sub>u</sub>	6.7 kN
Reference speed	2400 r/min
Limiting speed	2600 r/min
Calculation factor - k <sub>r</sub>	0.083



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Calculation factor - $k_a$	0.9
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - $Y_0$	0.52
Calculation factor - $Y_1$	0.55
Calculation factor - $Y_2$	0.93
Calculation factor - X	0.35
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	9.95
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	180MM Bore; 280MM



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	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);
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Bore	7.087 Inch   180 Millimeter
Width	1.811 Inch   46 Millimeter
Outside Diameter	11.024 Inch   280 Millimeter
$d_1$	219.4 mm
$d_2$	201.75 mm
$D_1$	243.1 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	192 mm
$D_a$ max.	268 mm
$D_b$ max.	273 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	195 kN
Basic static load rating $C_0$	240 kN
Fatigue load limit $P_u$	6.7 kN
Calculation factor A	0.912
Calculation factor $k_r$	0.083
Calculation factor e	1.14
Calculation factor X	0.35



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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	10 kg