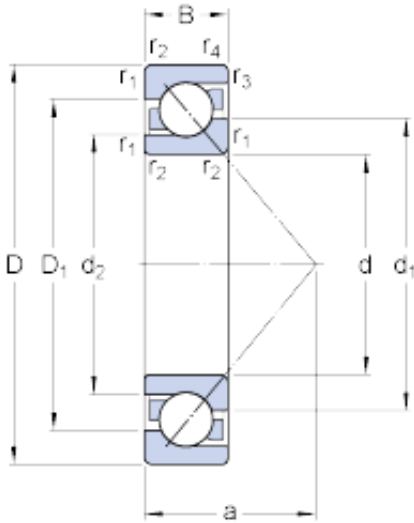




# SNR BEARING CORP.OF AMERICA



220 mm x 340 mm x 56 mm skf 7044 BGM  
Single row angular contact ball bearings

Bearing No. 7044 BGM

7044 BGM Bearing 2D drawings and 3D CAD models

Size	340x220x56 mm
Bore Diameter	340 mm
Outer Diameter	220 mm
Width	56 mm
d	220 mm
D	340 mm
B	56 mm
d <sub>1</sub>	267.2 mm
d <sub>2</sub>	245.75 mm
D <sub>1</sub>	295.85 mm
a	145 mm
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	234 mm
D <sub>a</sub> - max.	326 mm
D <sub>b</sub> - max.	333 mm
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	1.1 mm
Basic dynamic load rating - C	255 kN
Basic static load rating - C <sub>0</sub>	355 kN
Fatigue load limit - P <sub>u</sub>	9 kN
Reference speed	2000 r/min
Limiting speed	2000 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	18.074
EAN	7316577065483
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



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Long Description	220MM Bore; 340MM Outside Diameter; 56MM 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>
Manufacturer Item Number	7044 BGM
Bore	8.661 Inch   220 Millimeter
Outside Diameter	13.386 Inch   340 Millimeter
Width	2.205 Inch   56 Millimeter
bore diameter:	220 mm
closure type:	Open
outside diameter:	340 mm
snap ring included:	Without Snap Ring
overall width:	2.2047 in
cage material:	Brass Cage
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
precision rating:	ABEC1
internal clearance:	C0
series:	7000
bore type:	Round
d <sub>1</sub>	267.2 mm
d <sub>2</sub>	245.75 mm
D <sub>1</sub>	295.85 mm



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$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	234 mm
$D_a$ max.	326 mm
$D_b$ max.	333 mm
$r_a$ max.	2.5 mm
$r_b$ max.	1.1 mm
Basic dynamic load rating C	255 kN
Basic static load rating $C_0$	355 kN
Fatigue load limit $P_u$	9 kN
Calculation factor A	1.97
Calculation factor $k_r$	0.083
Calculation factor e	1.14
Calculation factor X	0.35
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	18 kg