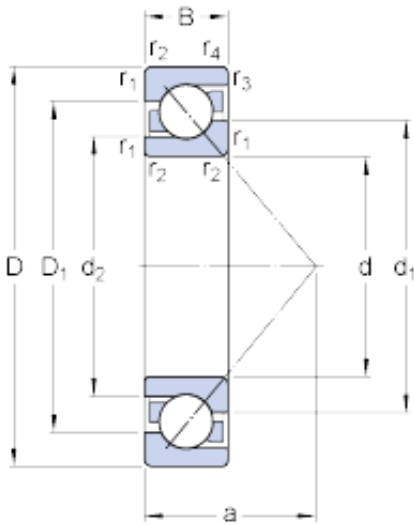




# SNR BEARING CORP.OF AMERICA



7028 BGM Bearing 2D drawings and 3D CAD models

140 mm x 210 mm x 33 mm skf 7028 BGM  
Single row angular contact ball bearings

Bearing No. 7028 BGM

Size	210x140x33 mm
Bore Diameter	210 mm
Outer Diameter	140 mm
Width	33 mm
d	140 mm
D	210 mm
B	33 mm
d <sub>1</sub>	167.4 mm
d <sub>2</sub>	154.95 mm
D <sub>1</sub>	184.35 mm
a	90 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	150 mm
D <sub>a</sub> - max.	200 mm
D <sub>b</sub> - max.	204 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	114 kN
Basic static load rating - C <sub>0</sub>	129 kN
Fatigue load limit - P <sub>u</sub>	4.2 kN
Reference speed	3200 r/min
Limiting speed	3400 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	3.753
EAN	7316577079534
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	140MM Bore; 210MM Outside Diameter; 33MM 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	7028 BGM
Bore	5.512 Inch   140 Millimeter
Width	1.299 Inch   33 Millimeter
Outside Diameter	8.268 Inch   210 Millimeter
bore diameter:	140 mm
radial static load capacity:	129 kN
outside diameter:	210 mm
cage material:	Brass
overall width:	33 mm
outer ring width:	33 mm
contact angle:	40 °
maximum rpm:	3400 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 1 (ISO Class Normal)
closure type:	Open
fillet radius:	2 mm
radial dynamic load	114 kN



## SNR BEARING CORP.OF AMERICA

capacity:	
series:	70
$d_1$	167.4 mm
$d_2$	154.95 mm
$D_1$	184.35 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	150 mm
$D_a$ max.	200 mm
$D_b$ max.	204 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	114 kN
Basic static load rating $C_0$	129 kN
Fatigue load limit $P_u$	4.15 kN
Calculation factor A	0.263
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	3.85 kg