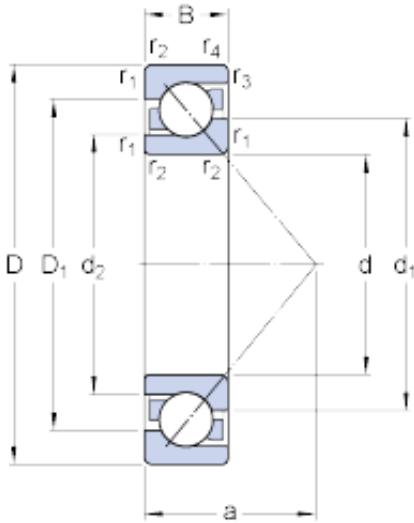




SNR BEARING CORP.OF AMERICA



7040 BGM Bearing 2D drawings and 3D CAD models

200 mm x 310 mm x 51 mm skf 7040 BGM
Single row angular contact ball bearings

Bearing No. 7040 BGM

Size	310x200x51 mm
Bore Diameter	310 mm
Outer Diameter	200 mm
Width	51 mm
d	200 mm
D	310 mm
B	51 mm
d ₁	243.6 mm
d ₂	224 mm
D ₁	269.8 mm
a	145 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
d _a - min.	234 mm
D _a - max.	285 mm
D _b - max.	333 mm
r _a - max.	2.5 mm
r _b - max.	1.1 mm
Basic dynamic load rating - C	225 kN
Basic static load rating - C ₀	290 kN
Fatigue load limit - P _u	7.8 kN
Reference speed	2200 r/min
Limiting speed	2200 r/min
Calculation factor - k _r	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	13.84
EAN	7316571038629
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	200MM Bore; 310MM Outside Diameter; 51MM 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	http://www.skf.com
Manufacturer Item Number	7040 BGM
Width	2.008 Inch 51 Millimeter
Outside Diameter	12.205 Inch 310 Millimeter
Bore	7.874 Inch 200 Millimeter
d_1	243.6 mm
d_2	224 mm
D_1	269.8 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	234 mm
D_a max.	285 mm
D_b max.	333 mm
r_a max.	2.5 mm
r_b max.	1.1 mm
Basic dynamic load rating C	225 kN
Basic static load rating C_0	290 kN
Fatigue load limit P_u	7.8 kN
Calculation factor A	1.37
Calculation factor k_r	0.083
Calculation factor e	1.14



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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