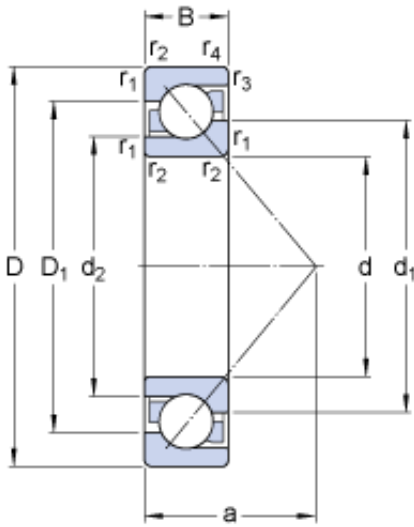




ASAHI FORGE OF AMERICA BEARING CORP.



7238 BCBM Bearing 2D drawings and 3D CAD models

190 mm x 340 mm x 55 mm SKF 7238 BCBM
angular contact ball bearings

Bearing No. 7238 BCBM

Size	340x190x55 mm
Bore Diameter	340 mm
Outer Diameter	190 mm
Width	55 mm
d	190 mm
D	340 mm
B	55 mm
d ₁	250.4 mm
d ₂	224.1 mm
D ₁	285.4 mm
a	139 mm
r _{1,2} - min.	4 mm
r _{3,4} - min.	1.5 mm
d _a - min.	207 mm
D _a - max.	323 mm
D _b - max.	331 mm
r _a - max.	3 mm
r _b - max.	1.5 mm
Basic dynamic load rating - C	307 kN
Basic static load rating - C ₀	405 kN
Fatigue load limit - P _u	10.4 kN
Reference speed	2000 r/min
Limiting speed	2200 r/min
Calculation factor - k _r	0.08



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Calculation factor - k_a	1.2
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	22.127
EAN	7316570323276
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	190MM Bore; 340MM Outside Diameter; 55MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Brass Cage; 40 Degree; 1 (Single); Univer
Other Features	Normal Axial Internal Clearance
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	7238 BCBM
Outside Diameter	13.386 Inch 340 Millimeter
Width	2.165 Inch 55 Millimeter
Bore	7.48 Inch 190 Millimeter
bore diameter:	190 mm
radial static load capacity:	405 kN
outside diameter:	340 mm
cage material:	Brass
overall width:	55 mm
outer ring width:	55 mm
contact angle:	40 °
maximum rpm:	2200 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	3 mm



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radial dynamic load capacity:	307 kN
series:	72
d_1	250.4 mm
d_2	224.1 mm
D_1	285.4 mm
$r_{1,2}$ min.	4 mm
$r_{3,4}$ min.	1.5 mm
d_a min.	207 mm
D_a max.	323 mm
D_b max.	331 mm
r_a max.	3 mm
r_b max.	1.5 mm
Basic dynamic load rating C	307 kN
Basic static load rating C_0	405 kN
Fatigue load limit P_u	10.4 kN
Calculation factor A	2.63
Calculation factor k_r	0.08
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	22 kg