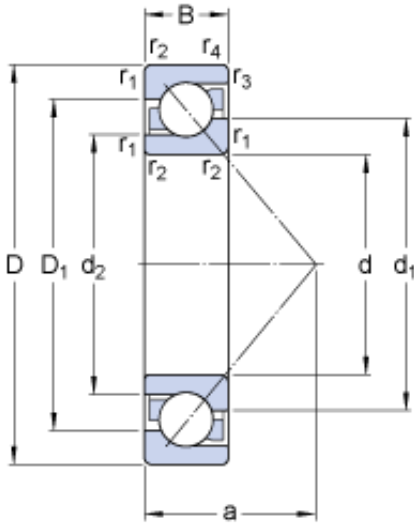




SNR BEARING CORP.OF AMERICA



100 mm x 180 mm x 34 mm skf 7220 BEGAM
Single row angular contact ball bearings

Bearing No. 7220 BEGAM

7220 BEGAM Bearing 2D drawings and 3D CAD models

Size	180x100x34 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	34 mm
d	100 mm
D	180 mm
B	34 mm
d ₁	130.95 mm
d ₂	115.22 mm
D ₁	150.9 mm
a	76 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
d _a - min.	112 mm
D _a - max.	168 mm
D _b - max.	173 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	143 kN
Basic static load rating - C ₀	134 kN
Fatigue load limit - P _u	4.8 kN
Reference speed	4500 r/min
Limiting speed	4500 r/min
Calculation factor - k _r	0.095



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Calculation factor - k_a	1.4
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	3.633
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)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	100MM Bore; 180MM Outside Diameter; 34MM 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	7220 BEGAM
Width	1.339 Inch 34 Millimeter
Outside Diameter	7.087 Inch 180 Millimeter
Bore	3.937 Inch 100 Millimeter
bore diameter:	100 mm
cage material:	Brass
outside diameter:	180 mm
outer ring width:	34 mm
overall width:	34 mm
finish/coating:	Uncoated
contact angle:	40 °
precision rating:	Not Rated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	2 mm
internal clearance:	C0
series:	72
closure type:	Open
d ₁	130.95 mm
d ₂	115.22 mm
D ₁	150.9 mm



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$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	112 mm
D_a max.	168 mm
D_b max.	173 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	143 kN
Basic static load rating C_0	134 kN
Fatigue load limit P_u	4.75 kN
Calculation factor A	0.239
Calculation factor k_r	0.095
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	3.3 kg