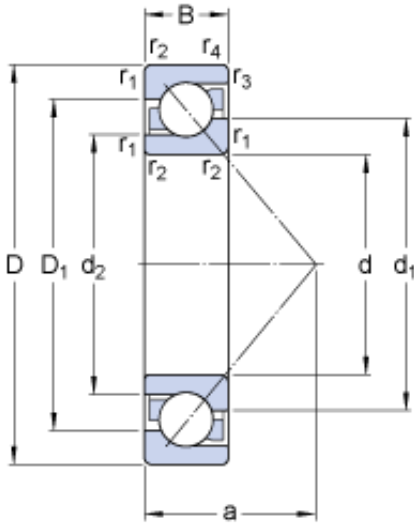




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100 mm x 180 mm x 34 mm skf 7220 becbm bearing

Bearing No. 7220 becbm

7220 becbm 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	3.61
EAN	7316577068576
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
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	100MM Bore; 180MM Outside Diameter; 34MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
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	7220 BECBM
Weight / LBS	7.959
Outside Diameter	7.087 Inch 180 Millimeter
Bore	3.937 Inch 100 Millimeter
Width	1.339 Inch 34 Millimeter
bore diameter:	100 mm
radial static load capacity:	134 kN
outside diameter:	180 mm
cage material:	Brass
overall width:	34 mm
outer ring width:	34 mm
contact angle:	40 °
maximum rpm:	4500 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	2 mm



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radial dynamic load capacity:	143 kN
series:	72
d_1	130.95 mm
d_2	115.22 mm
D_1	150.9 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	4.75 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