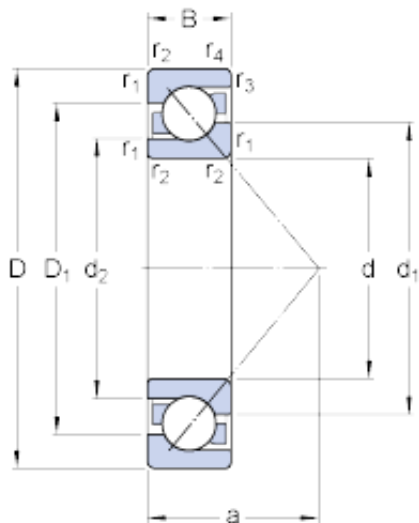




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7319 becbm Bearing 2D drawings and 3D CAD models

skf 7319 becbm bearing

Bearing No. 7319 becbm

Size	200x95x45 mm
Bore Diameter	200 mm
Outer Diameter	95 mm
Width	45 mm
d	95 mm
D	200 mm
B	45 mm
d ₁	136.2 mm
d ₂	114.92 mm
D ₁	161.25 mm
a	84 mm
r _{1,2} - min.	3 mm
r _{3,4} - min.	1.1 mm
d _a - min.	109 mm
D _a - max.	186 mm
D _b - max.	193 mm
r _a - max.	2.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	180 kN
Basic static load rating - C ₀	163 kN
Fatigue load limit - P _u	5.7 kN
Reference speed	4300 r/min
Limiting speed	4300 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



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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	6.41
EAN	7316577151223
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
Long Description	95MM Bore; 200MM



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	Outside Diameter; 45MM 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	7319 BECBM
Weight / LBS	14.125
Outside Diameter	7.874 Inch 200 Millimeter
Bore	3.74 Inch 95 Millimeter
Width	1.772 Inch 45 Millimeter
bore diameter:	95 mm
radial static load capacity:	163 kN
outside diameter:	200 mm
cage material:	Brass
overall width:	45 mm
outer ring width:	45 mm
contact angle:	40 °
maximum rpm:	4300 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:	2.5 mm



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radial dynamic load capacity:	180 kN
series:	73
d_1	136.2 mm
d_2	114.92 mm
D_1	161.25 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	109 mm
D_a max.	186 mm
D_b max.	193 mm
r_a max.	2.5 mm
r_b max.	1 mm
Basic dynamic load rating C	180 kN
Basic static load rating C_0	163 kN
Fatigue load limit P_u	5.7 kN
Calculation factor A	0.406
Calculation factor k_r	0.1
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	6.05 kg