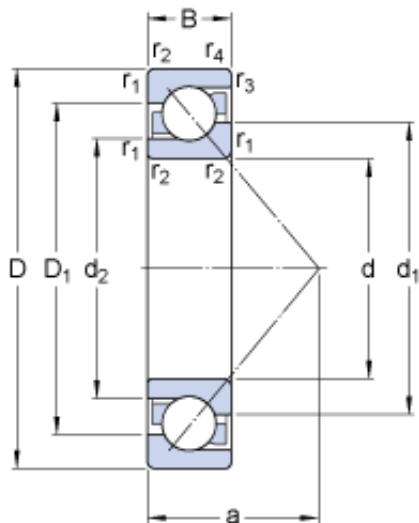




NSK bearing Trading Co., Ltd



95 mm x 170 mm x 32 mm 95 mm x 170 mm x 32 mm SKF 7219 BECBM angular contact ball bearings

Bearing No. 7219 BECBM

7219 BECBM Bearing 2D drawings and 3D CAD models

Size	170x95x32 mm
Bore Diameter	170 mm
Outer Diameter	95 mm
Width	32 mm
d	95 mm
D	170 mm
B	32 mm
d ₁	124.3 mm
d ₂	109.09 mm
D ₁	142.45 mm
a	72 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
d _a - min.	107 mm
D _a - max.	158 mm
D _b - max.	163 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	129 kN
Basic static load rating - C ₀	118 kN
Fatigue load limit - P _u	4.4 kN
Reference speed	4800 r/min
Limiting speed	4800 r/min



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Calculation factor - k_r	0.095
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	2.96
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	95MM Bore; 170MM Outside Diameter; 32MM 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	7219 BECBM
Weight / LBS	6.511
Bore	3.74 Inch 95 Millimeter
Width	1.26 Inch 32 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
bore diameter:	95 mm
radial static load capacity:	108 kN
outside diameter:	170 mm
cage material:	Brass
overall width:	32 mm
outer ring width:	32 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



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fillet radius:	2 mm
radial dynamic load capacity:	124 kN
series:	72
d_1	124.3 mm
d_2	109.09 mm
D_1	142.45 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	107 mm
D_a max.	158 mm
D_b max.	163 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	129 kN
Basic static load rating C_0	118 kN
Fatigue load limit P_u	4.4 kN
Calculation factor A	0.191
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	2.7 kg