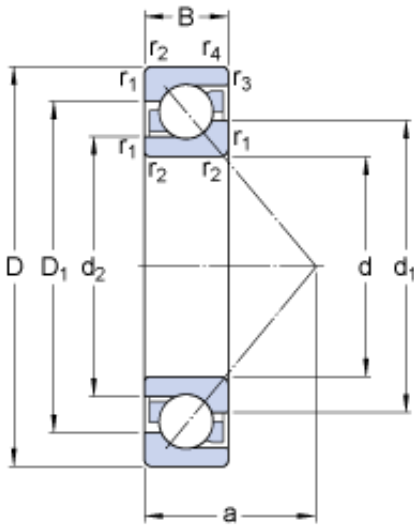




# SNR BEARING CORP.OF AMERICA



95 mm x 200 mm x 45 mm skf 7319 BECBY  
Single row angular contact ball bearings

Bearing No. 7319 BECBY

7319 BECBY Bearing 2D drawings and 3D CAD models

Size	200x95x45 mm
Bore Diameter	200 mm
Outer Diameter	95 mm
Width	45 mm
d	95 mm
D	200 mm
B	45 mm
d <sub>1</sub>	136.2 mm
d <sub>2</sub>	114.92 mm
D <sub>1</sub>	161.25 mm
a	84 mm
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	109 mm
D <sub>a</sub> - max.	186 mm
D <sub>b</sub> - max.	193 mm
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	168 kN
Basic static load rating - C <sub>0</sub>	150 kN
Fatigue load limit - P <sub>u</sub>	5.2 kN
Reference speed	3800 r/min
Limiting speed	3800 r/min
Calculation factor - k <sub>r</sub>	0.1



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Calculation factor - $k_a$	1.6
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	6.17
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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7319 BECBY
Weight / LBS	13.592
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:	176 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:	190 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