



Bearing No. 7319 BECBY

a	84 mm
d	95 mm
D	200 mm
B	45 mm
Noun	Bearing
Bore	3.74 Inch 95 Millimeter
Width	1.772 Inch 45 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	200x95x45
Inventory	0.0
Width (mm)	45
Weight / LBS	13.592
maximum rpm:	4300 RPM
Flush Ground	Yes
Mass bearing	6.05 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	114.92 mm
d ₁	136.2 mm
D ₁	161.25 mm
Other Features	Normal Axial Internal

	Clearance
fillet radius:	2.5 mm
contact angle:	40 °
overall width:	45 mm
cage material:	Brass
bore diameter:	95 mm
Keyword String	Angular Contact
Bearing number	7319 BECBY
Limiting speed	3800 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	3800 r/min
Long Description	95MM Bore; 200MM Outside Diameter; 45MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	7.874 Inch 200 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	6.17
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	200 mm
Manufacturer Name	SKF
outer ring width:	45 mm
d _a min.	109 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	200
r _b max.	1 mm
r _a max.	2.5 mm
Internal Clearance	CB

D_b max.	193 mm
D_a max.	186 mm
internal clearance:	C0
Outer Diameter (mm)	95
$r_{1,2}$ min.	3 mm
Calculation factor A	0.406
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
$r_{3,4}$ min.	1.1 mm
r_b - max.	1 mm
r_a - max.	2.5 mm
D_b - max.	193 mm
d_a - min.	109 mm
Minimum Buy Quantity	N/A
D_a - max.	186 mm
D_1 ?	161.25 mm
d_2 ?	114.92 mm
d_1 ?	136.2 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7319 BECBY
Basic dynamic load rating C	180 kN
radial static load capacity:	176 kN
radial dynamic load	190 kN

capacity:	
Basic dynamic load rating - C	168 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.1
Fatigue load limit P_u	5.7 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	5.2 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	163 kN
Basic static load rating - C_0	150 kN