



Bearing No. 7316 BECBY

a	72 mm
d	80 mm
D	170 mm
B	39 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	1.535 Inch 39 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	170x80x39
Inventory	2.0
Width (mm)	39
Weight / LBS	8.157
maximum rpm:	4500 RPM
Flush Ground	Yes
Mass bearing	3.8 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	115.2 mm
D ₁	136.75 mm
d ₂	97.07 mm
Bearing number	7316 BECBY

bore diameter:	80 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	4500 r/min
overall width:	39 mm
contact angle:	40 °
fillet radius:	2 mm
Reference speed	4500 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Long Description	80MM Bore; 170MM Outside Diameter; 39MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Manufacturer URL	http://www.skf.com
Outside Diameter	6.693 Inch 170 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	39 mm
Manufacturer Name	SKF
outside diameter:	170 mm
Weight / Kilogram	3.946
r _b max.	1 mm
Bore Diameter (mm)	170
D _a max.	158 mm
D _b max.	163 mm
r _a max.	2 mm
d _a min.	92 mm

Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	80
Calculation factor A	0.216
d_a - min.	92 mm
r_a - max.	2 mm
D_b - max.	163 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
D_a - max.	158 mm
$r_{3,4}$ min.	1.1 mm
Calculation factor X	0.57
Calculation factor e	1.14
r_b - max.	1 mm
D_1 ?	136.75 mm
d_2 ?	97.07 mm
d_1 ?	115.2 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7316 BECBY
Basic dynamic load rating C	143 kN
radial static load capacity:	118 kN
Basic dynamic load	135 kN

rating - C	
radial dynamic load capacity:	143 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.1
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Fatigue load limit P_u	4.5 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Fatigue load limit - P_u	4.2 kN
Calculation factor - k_a	1.6
Basic static load rating C_0	118 kN
Basic static load rating - C_0	110 kN