



**Bearing No. 7316 BECBJ**

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
weight:	8.38 lbs
series:	7300
Category	Angular Contact Ball Bearing
Snap Ring	No
Inventory	0.0
Size (mm)	170x80x39
Enclosure	Open
bore type:	Round
Width (mm)	39
Flush Ground	Yes
Mass bearing	3.8 kg
maximum rpm:	5000 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Steel
D <sub>1</sub>	136.75 mm
d <sub>2</sub>	97.07 mm
d <sub>1</sub>	115.2 mm
closure type:	Open

bore diameter:	80 mm
cage material:	Steel
Keyword String	Angular Contact
contact angle:	40 °
Other Features	Normal Axial Internal Clearance
fillet radius:	2.1 mm
overall width:	39 mm
Bearing number	7316 BECBJ
Limiting speed	4500 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
Reference speed	4500 r/min
Outside Diameter	6.693 Inch   170 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	80MM Bore; 170MM Outside Diameter; 39MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; CB; Steel Cage; 40 Degree; 1 (Single); Univers
Weight / Kilogram	3.906
bearing material:	Steel
outside diameter:	170 mm
Manufacturer Name	SKF
d <sub>a</sub> min.	92 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
Bore Diameter (mm)	170
	1 mm

<p><math>r^b</math> max.</p>	
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r <sub>a</sub> max.	2 mm
D <sub>b</sub> max.	163 mm
D <sub>a</sub> max.	158 mm
Outer Diameter (mm)	80
r <sub>3,4</sub> min.	1.1 mm
Calculation factor A	0.216
Mounting Arrangement	Universal
d <sub>a</sub> - min.	92 mm
Minimum Buy Quantity	N/A
D <sub>a</sub> - max.	158 mm
D <sub>b</sub> - max.	163 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Calculation factor X	0.57
maximum temperature:	257 °F
Calculation factor e	1.14
r <sub>1,2</sub> min.	2.1 mm
d <sub>2</sub> ?	97.07 mm
row type & fill slot:	Single-Row Non-Fill Slot
D <sub>1</sub> ?	136.75 mm
d <sub>1</sub> ?	115.2 mm
r <sub>1,2</sub> - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
r <sub>3,4</sub> - min.	1.1 mm
Calculation factor - e	1.14
Calculation factor - X	0.35
Number of Rows of Balls	Single Row
Manufacturer Item Number	7316 BECBJ
manufacturer upc number:	7316570171082
manufacturer product page:	<a href="#">Click here</a>

Basic dynamic load rating C	143 kN
radial static load capacity:	118 kN
Basic dynamic load rating - C	135 kN
radial dynamic load capacity:	143 kN
Maximum Capacity / Filling Slot	No
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Calculation factor $k_r$	0.1
Calculation factor $Y_0$	0.52
Fatigue load limit $P_u$	4.5 kN
Calculation factor - $Y_0$	0.26
Calculation factor - $k_a$	1.6
Calculation factor - $k_r$	0.1
Calculation factor - $Y_2$	0.57
Fatigue load limit - $P_u$	4.2 kN
Calculation factor - $Y_1$	
Basic static load rating $C_0$	118 kN
Basic static load rating - $C_0$	110 kN