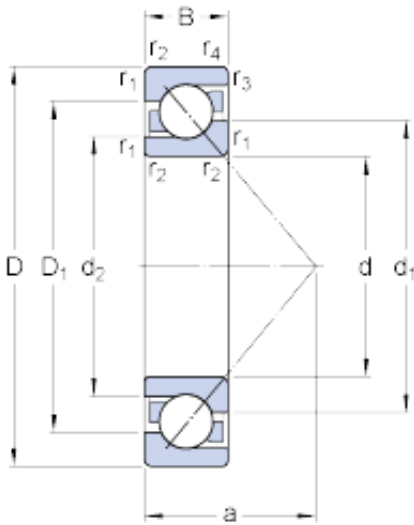




# SAF BEARING LIMITED



## 80 mm x 170 mm x 39 mm skf 7316 BECBM Single row angular contact ball bearings

Bearing No. 7316 BECBM

7316 BECBM Bearing 2D drawings and 3D CAD models

Size	170x80x39 mm
Bore Diameter	170 mm
Outer Diameter	80 mm
Width	39 mm
d	80 mm
D	170 mm
B	39 mm
d <sub>1</sub>	115.2 mm
d <sub>2</sub>	97.07 mm
D <sub>1</sub>	136.75 mm
a	72 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	92 mm
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
Basic dynamic load rating - C	143 kN
Basic static load rating - C <sub>0</sub>	118 kN
Fatigue load limit - P <sub>u</sub>	4.5 kN
Reference speed	5000 r/min
Limiting speed	5000 r/min
Calculation factor - k <sub>r</sub>	0.1



## SAF BEARING LIMITED

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	4.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.04
EAN	7316577067401
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



## SAF BEARING LIMITED

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
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	7316 BECBM
Weight / LBS	8.889
Outside Diameter	6.693 Inch   170 Millimeter
Bore	3.15 Inch   80 Millimeter
Width	1.535 Inch   39 Millimeter
bore diameter:	80 mm
radial static load capacity:	118 kN
outside diameter:	170 mm
cage material:	Brass
overall width:	39 mm
outer ring width:	39 mm
contact angle:	40 °
maximum rpm:	5000 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 mm



## SAF BEARING LIMITED

radial dynamic load capacity:	143 kN
series:	73
$d_1$	115.2 mm
$d_2$	97.07 mm
$D_1$	136.75 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	92 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	143 kN
Basic static load rating $C_0$	118 kN
Fatigue load limit $P_u$	4.5 kN
Calculation factor A	0.216
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	3.8 kg