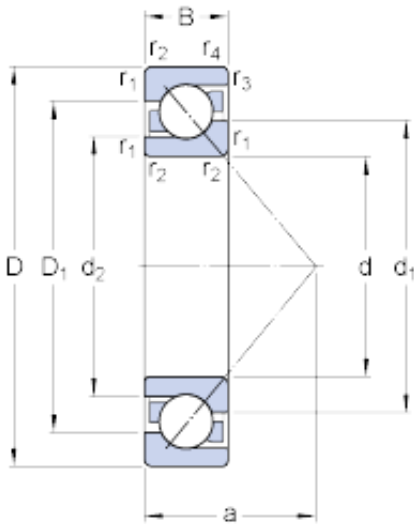




## Bearing Rolamentos do Brasil Ltda.



7316 BECCM Bearing 2D drawings and 3D CAD models

80 mm x 170 mm x 39 mm SKF 7316 BECCM  
angular contact ball bearings

Bearing No. 7316 BECCM

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



## Bearing Rolamentos do Brasil Ltda.

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	4.04
EAN	7316577150974
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	CC
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



## Bearing Rolamentos do Brasil Ltda.

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	Axial Internal Clearance Greater Than Normal
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 BECCM
Weight / LBS	8.889
Width	1.535 Inch   39 Millimeter
Bore	3.15 Inch   80 Millimeter
Outside Diameter	6.693 Inch   170 Millimeter
bore diameter:	80 mm
maximum temperature:	257 ° F
outside diameter:	170 mm
cage material:	Brass
overall width:	39 mm
maximum rpm:	6300 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	2.1 mm
bore type:	Round
series:	7300
closure type:	Open
weight:	8.38 lbs



## Bearing Rolamentos do Brasil Ltda.

bearing material:	Steel
manufacturer product page:	<a href="#">Click here</a>
radial dynamic load capacity:	143 kN
manufacturer upc number:	7316577150974
radial static load capacity:	118 kN
$d_1$	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