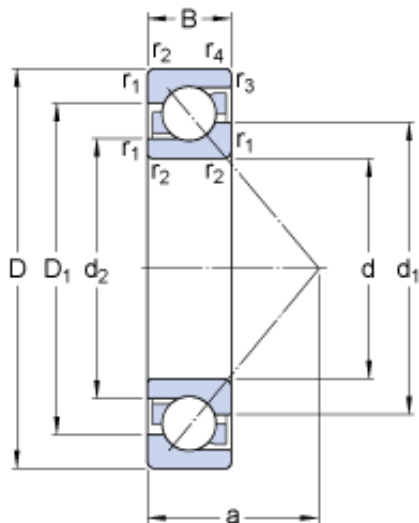




## AMERICAN BEARING MFG.CORP.



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

Bearing No. 7316 BEGAP

7316 BEGAP 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



## AMERICAN BEARING MFG.CORP.

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	3.64
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric



## AMERICAN BEARING MFG.CORP.

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
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 BEGAP
Weight / LBS	8.023
Width	1.535 Inch   39 Millimeter
Outside Diameter	6.693 Inch   170 Millimeter
Bore	3.15 Inch   80 Millimeter
bore diameter:	80 mm
radial static load capacity:	118 kN
outside diameter:	170 mm
cage material:	Nylon
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
radial dynamic load capacity:	143 kN



## AMERICAN BEARING MFG.CORP.

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