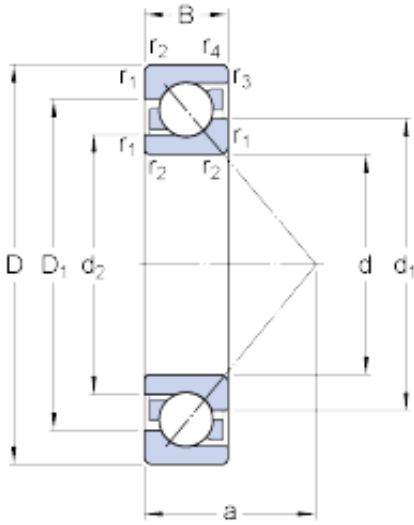




Bearing company



7316 becbm Bearing 2D drawings and 3D CAD models

80 mm x 170 mm x 39 mm skf 7316 becbm bearing

Bearing No. 7316 becbm

Size	170x80x39 mm
Bore Diameter	170 mm
Outer Diameter	80 mm
Width	39 mm
d	80 mm
D	170 mm
B	39 mm
d ₁	115.2 mm
d ₂	97.07 mm
D ₁	136.75 mm
a	72 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
Reference speed	5000 r/min
Limiting speed	5000 r/min
Calculation factor - k _r	0.1



Bearing company

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



Bearing company

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	http://www.skf.com
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



Bearing company

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