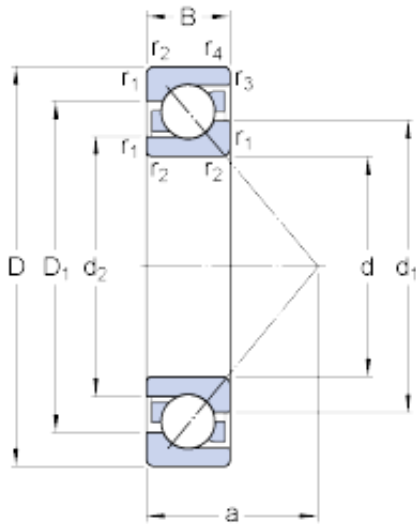




AMERICAN BEARING MFG.CORP.



80 mm x 140 mm x 26 mm SKF 7216 BECBP
angular contact ball bearings

Bearing No. 7216 BECBP

7216 BECBP Bearing 2D drawings and 3D CAD models

Size	140x80x26 mm
Bore Diameter	140 mm
Outer Diameter	80 mm
Width	26 mm
d	80 mm
D	140 mm
B	26 mm
d ₁	103.55 mm
d ₂	91.44 mm
D ₁	117.85 mm
a	59 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	91 mm
D _a - max.	130 mm
D _b - max.	134 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	85 kN
Basic static load rating - C ₀	75 kN
Fatigue load limit - P _u	3 kN
Reference speed	5600 r/min
Limiting speed	5600 r/min
Calculation factor - k _r	0.095



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Calculation factor - k_a	1.4
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	1.43
EAN	7316576633607
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	80MM Bore; 140MM Outside Diameter; 26MM 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	7216 BECBP
Weight / LBS	3.153
Bore	3.15 Inch 80 Millimeter
Width	1.024 Inch 26 Millimeter
Outside Diameter	5.512 Inch 140 Millimeter
bore diameter:	80 mm
radial static load capacity:	75 kN
outside diameter:	140 mm
cage material:	Nylon
overall width:	26 mm
outer ring width:	26 mm
contact angle:	40 °
maximum rpm:	5600 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



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radial dynamic load capacity:	85 kN
series:	72
d_1	103.55 mm
d_2	91.44 mm
D_1	117.85 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	91 mm
D_a max.	130 mm
D_b max.	134 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	85 kN
Basic static load rating C_0	75 kN
Fatigue load limit P_u	3.05 kN
Calculation factor A	0.0801
Calculation factor k_r	0.095
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	1.45 kg