



Bearing No. 7216 BECBP

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
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
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.43
EAN	7316576633607
Product Group - BDI	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
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 - BDI	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
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