



Bearing No. 7216 BECBY

a	59 mm
d	80 mm
D	140 mm
B	26 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	1.024 Inch 26 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	140x80x26
Inventory	0.0
Width (mm)	26
Weight / LBS	3.492
maximum rpm:	5300 RPM
Flush Ground	Yes
Mass bearing	1.45 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	91.44 mm
d ₁	103.55 mm
D ₁	117.85 mm
Other Features	Normal Axial Internal

	Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	26 mm
cage material:	Brass
bore diameter:	80 mm
Keyword String	Angular Contact
Bearing number	7216 BECBY
Limiting speed	5300 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	5300 r/min
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
Outside Diameter	5.512 Inch 140 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	1.59
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	140 mm
Manufacturer Name	SKF
outer ring width:	26 mm
d _a min.	91 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	140
r _b max.	1 mm
r _a max.	2 mm
Internal Clearance	CB

D_b max.	134 mm
D_a max.	130 mm
internal clearance:	C0
Outer Diameter (mm)	80
$r_{1,2}$ min.	2 mm
Calculation factor A	0.0801
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
$r_{3,4}$ min.	1 mm
r_b - max.	1 mm
r_a - max.	2 mm
D_b - max.	134 mm
d_a - min.	91 mm
Minimum Buy Quantity	N/A
D_a - max.	130 mm
D_1 ?	117.85 mm
d_2 ?	91.44 mm
d_1 ?	103.55 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7216 BECBY
Basic dynamic load rating C	85 kN
radial static load capacity:	73.5 kN
radial dynamic load	83.2 kN

capacity:	
Basic dynamic load rating - C	80.6 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.095
Fatigue load limit P_u	3.05 kN
Calculation factor - k_r	0.095
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	2.8 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.4
Basic static load rating C_0	75 kN
Basic static load rating - C_0	69.5 kN