



**Bearing No. 7216 BEGAF**

D	140 mm
d	80 mm
B	26 mm
a	59 mm
Bore	3.15 Inch   80 Millimeter
Noun	Bearing
Width	1.024 Inch   26 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	140x80x26
Snap Ring	No
Width (mm)	26
Flush Ground	Yes
Mass bearing	1.45 kg
Contact Angle	40 Degree
Cage Material	Steel
Inch - Metric	Metric
D <sub>1</sub>	117.85 mm
d <sub>2</sub>	91.44 mm
d <sub>1</sub>	103.55 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7216 BEGAF
Limiting speed	5300 r/min
Precision Class	ABEC 1   ISO P0

Rolling Element	Ball Bearing
Reference speed	5300 r/min
Outside Diameter	5.512 Inch   140 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	80MM Bore; 140MM Outside Diameter; 26MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 40 Degree; 1 (Single);
Manufacturer Name	SKF
Weight / Kilogram	1.43
$r_b$ max.	1 mm
$r_a$ max.	2 mm
Internal Clearance	C0-Medium
$D_b$ max.	134 mm
Bore Diameter (mm)	140
$D_a$ max.	130 mm
$d_a$ min.	91 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	80
$r_b$ - max.	1 mm
$r_a$ - max.	2 mm
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
$D_b$ - max.	134 mm
Mounting Arrangement	Universal
$D_a$ - max.	130 mm
Calculation factor A	0.0801
$d_a$ - min.	91 mm

Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1 mm
$D_1$ ?	117.85 mm
$d_2$ ?	91.44 mm
$d_1$ ?	103.55 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7216 BEGAF
Basic dynamic load rating C	80.6 kN
Basic dynamic load rating - C	80.6 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	2.8 kN
Calculation factor $k_r$	0.095
Calculation factor $Y_0$	0.52
Calculation factor $Y_2$	0.93
Calculation factor $Y_1$	0.55
Fatigue load limit - $P_u$	2.8 kN
Calculation factor - $k_r$	0.095
Calculation factor - $k_a$	1.4
Calculation factor - $Y_2$	0.57
Calculation factor - $Y_1$	
Calculation factor - $Y_0$	0.26
Basic static load rating $C_0$	69.5 kN

Basic static load rating - $C_0$	69.5 kN
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