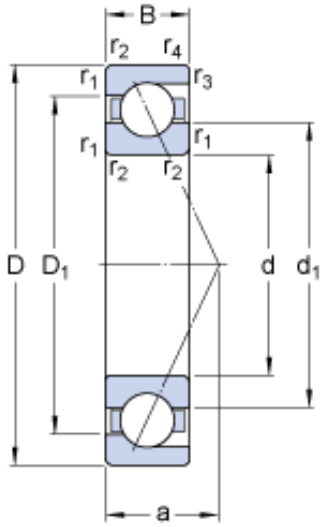
Loyal | 7416 GAM



Bearing No. 7416 GAM

D	200 mm
d	80 mm
B	48 mm
a	83 mm
Bore	3.15 Inch | 80 Millimeter
Noun	Bearing
Width	1.89 Inch | 48 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	200x80x48
Snap Ring	No
Width (mm)	48
Flush Ground	Yes
Mass bearing	8.1 kg
Weight / LBS	17.857
Contact Angle	40 Degree
Cage Material	Brass
Inch - Metric	Metric
D_1	161.85 mm
d_1	117.23 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7416 GAM
Limiting speed	4300 r/min
Precision Class	ABEC 3 | ISO P6
Reference speed	4000 r/min

Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	7.874 Inch | 200 Millimeter
Long Description	80MM Bore; 200MM Outside Diameter; 48MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 | ISO P6; No Filling Slot; No Snap Ring
Manufacturer Name	SKF
Weight / Kilogram	8.11
d_a min.	55 mm
r_a max.	2 mm
D_b max.	179.4 mm
D_a max.	110 mm
r_b max.	2 mm
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Bore Diameter (mm)	200
Outer Diameter (mm)	80
Calculation factor A	0.453
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	3 mm
Calculation factor X	0.57
Calculation factor e	1.14
D_a - max.	110 mm
d_a - min.	55 mm
D_b - max.	179.4 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
r_a - max.	2 mm
r_b - max.	2 mm

d_1 ?	117.23 mm
D_1 ?	161.85 mm
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	3 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7416 GAM
Basic dynamic load rating C	178 kN
Basic dynamic load rating - C	178 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	5.5 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor - k_r	0.1
Fatigue load limit - P_u	5.5 kN
Calculation factor - k_a	1.6
Calculation factor - Y_0	0.26
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Basic static load rating C_0	153 kN
Basic static load rating - C_0	153 kN