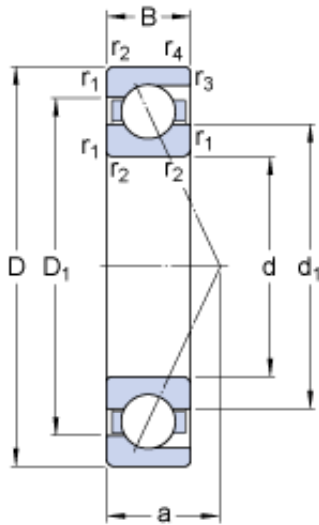




NTN-SNR BEARING RULMENTI S.R.L.



7416 GAM Bearing 2D drawings and 3D CAD models

80 mm x 200 mm x 48 mm skf 7416 GAM Single row angular contact ball bearings

Bearing No. 7416 GAM

Size	200x80x48 mm
Bore Diameter	200 mm
Outer Diameter	80 mm
Width	48 mm
d	80 mm
D	200 mm
B	48 mm
d ₁	117.23 mm
D ₁	161.85 mm
a	83 mm
r _{1,2} - min.	3 mm
r _{3,4} - min.	3 mm
d _a - min.	55 mm
D _a - max.	110 mm
D _b - max.	179.4 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	178 kN
Basic static load rating - C ₀	153 kN
Fatigue load limit - P _u	5.5 kN
Reference speed	4000 r/min
Limiting speed	4300 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



NTN-SNR BEARING RULMENTI S.R.L.

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	8.11
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	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	80MM Bore; 200MM



NTN-SNR BEARING RULMENTI S.R.L.

	Outside Diameter; 48MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
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	7416 GAM
Weight / LBS	17.857
Outside Diameter	7.874 Inch 200 Millimeter
Bore	3.15 Inch 80 Millimeter
Width	1.89 Inch 48 Millimeter
d_1	117.23 mm
D_1	161.85 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	3 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	179.4 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	178 kN
Basic static load rating C_0	153 kN
Fatigue load limit P_u	5.5 kN
Calculation factor A	0.453
Calculation factor k_r	0.1
Calculation factor e	1.14
Calculation factor X	0.35



NTN-SNR BEARING RULMENTI S.R.L.

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	8.1 kg