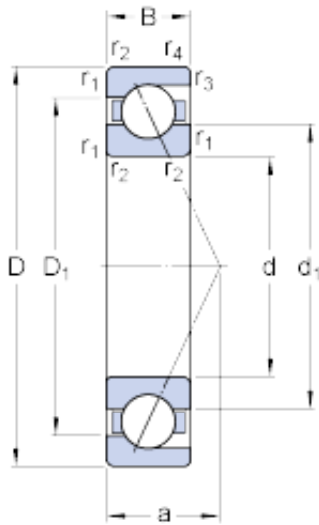




## Jinan Kaiming Bearing Co., Ltd.



7416 GAM Bearing 2D drawings and 3D CAD models

### 80 mm x 200 mm x 48 mm SKF 7416 GAM 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 <sub>1</sub>	117.23 mm
D <sub>1</sub>	161.85 mm
a	83 mm
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	3 mm
d <sub>a</sub> - min.	55 mm
D <sub>a</sub> - max.	110 mm
D <sub>b</sub> - max.	179.4 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	178 kN
Basic static load rating - C <sub>0</sub>	153 kN
Fatigue load limit - P <sub>u</sub>	5.5 kN
Reference speed	4000 r/min
Limiting speed	4300 r/min
Calculation factor - k <sub>r</sub>	0.1
Calculation factor - k <sub>a</sub>	1.6



## Jinan Kaiming Bearing Co., Ltd.

Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y <sub>0</sub>	0.52
Calculation factor - Y <sub>1</sub>	0.55
Calculation factor - Y <sub>2</sub>	0.93
Calculation factor - X	0.35
Calculation factor - Y <sub>0</sub>	0.26
Calculation factor - Y <sub>1</sub>	
Calculation factor - Y <sub>2</sub>	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	8.11
EAN	7316571273853
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



## Jinan Kaiming Bearing Co., Ltd.

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
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
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



## Jinan Kaiming Bearing Co., Ltd.

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	8.1 kg