



**Bearing No. 7415 BGAM**

D	190 mm
d	75 mm
B	45 mm
a	78 mm
Bore	2.953 Inch   75 Millimeter
Noun	Bearing
Width	1.772 Inch   45 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	190x75x45
Snap Ring	No
Width (mm)	45
Flush Ground	Yes
Mass bearing	6.85 kg
Weight / LBS	15.102
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Brass
D <sub>1</sub>	147.6 mm
d <sub>2</sub>	97.65 mm
d <sub>1</sub>	119.6 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7415 BGAM

Limiting speed	4500 r/min
Precision Class	ABEC 3   ISO P6
Rolling Element	Ball Bearing
Reference speed	4300 r/min
Outside Diameter	7.48 Inch   190 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	75MM Bore; 190MM Outside Diameter; 45MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Weight / Kilogram	6.86
Manufacturer Name	SKF
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2 mm
Number of Bearings	1 (Single)
r <sub>b</sub> max.	2 mm
D <sub>b</sub> max.	170.8 mm
D <sub>a</sub> max.	110 mm
d <sub>a</sub> min.	55 mm
Bore Diameter (mm)	190
Outer Diameter (mm)	75
r <sub>b</sub> - max.	2 mm
r <sub>1,2</sub> min.	3 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	2 mm
Mounting Arrangement	Universal
D <sub>b</sub> - max.	170.8 mm
Calculation factor A	0.377
D <sub>a</sub> - max.	110 mm
d <sub>a</sub> - min.	55 mm

Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	3 mm
$D_1$ ?	147.6 mm
$d_2$ ?	97.65 mm
$d_1$ ?	119.6 mm
Calculation factor - X	0.35
$r_{1,2}$ - min.	3 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	3 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7415 BGAM
Basic dynamic load rating C	168 kN
Basic dynamic load rating - C	168 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	5.1 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
Fatigue load limit - $P_u$	5.1 kN
Calculation factor - $k_r$	0.1
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	140 kN

C<sup>0</sup>

--	--

Basic static load rating - $C_0$	140 kN
-------------------------------------	--------