



Bearing No. 7415 BGBM

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	Medium
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 ₁	147.6 mm
d ₂	97.65 mm
d ₁	119.6 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7415 BGBM

Limiting speed	4500 r/min
Precision Class	ABEC 3 ISO P6
Rolling Element	Ball Bearing
Reference speed	4300 r/min
Manufacturer URL	http://www.skf.com
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
Outside Diameter	7.48 Inch 190 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	6.86
Number of Bearings	1 (Single)
r_a max.	2 mm
r_b max.	2 mm
Bore Diameter (mm)	190
D_b max.	170.8 mm
D_a max.	110 mm
d_a min.	55 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	75
Calculation factor e	1.14
Calculation factor X	0.57
d_a - min.	55 mm
D_a - max.	110 mm
Minimum Buy Quantity	N/A
D_b - max.	170.8 mm
Mounting Arrangement	Universal
r_a - max.	2 mm
r_b - max.	2 mm

$r_{1,2}$ min.	3 mm
Calculation factor A	0.377
$r_{3,4}$ 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 BGBM
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

C⁰

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Basic static load rating - C ₀	140 kN
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