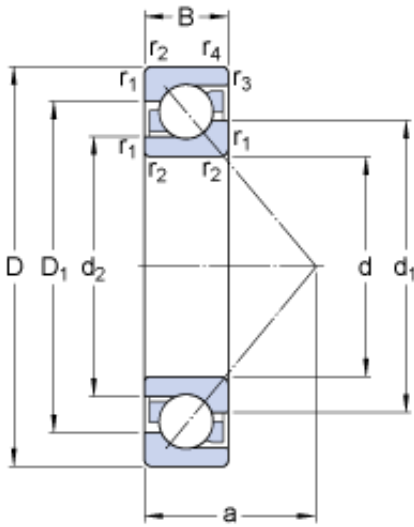




# FAG BEARING LIMITED



7415 BGBM Bearing 2D drawings and 3D CAD models

## 75 mm x 190 mm x 45 mm SKF 7415 BGBM angular contact ball bearings

Bearing No. 7415 BGBM

Size	190x75x45 mm
Bore Diameter	190 mm
Outer Diameter	75 mm
Width	45 mm
d	75 mm
D	190 mm
B	45 mm
d <sub>1</sub>	119.6 mm
d <sub>2</sub>	97.65 mm
D <sub>1</sub>	147.6 mm
a	78 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.	170.8 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	168 kN
Basic static load rating - C <sub>0</sub>	140 kN
Fatigue load limit - P <sub>u</sub>	5.1 kN
Reference speed	4300 r/min
Limiting speed	4500 r/min
Calculation factor - k <sub>r</sub>	0.1



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Calculation factor - $k_a$	1.6
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	6.86
EAN	7316576651472
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	Medium
Mounting Arrangement	Universal



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Inch - Metric	Metric
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
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	7415 BGBM
Weight / LBS	15.102
Outside Diameter	7.48 Inch   190 Millimeter
Width	1.772 Inch   45 Millimeter
Bore	2.953 Inch   75 Millimeter
$d_1$	119.6 mm
$d_2$	97.65 mm
$D_1$	147.6 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.	170.8 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	168 kN
Basic static load rating $C_0$	140 kN
Fatigue load limit $P_u$	5.1 kN
Calculation factor A	0.377



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Calculation factor $k_r$	0.1
Calculation factor $e$	1.14
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	6.85 kg