



# GARLOCK BEARINGS LTD



7413 BGBM Bearing 2D drawings and 3D CAD models

## 65 mm x 160 mm x 37 mm SKF 7413 BGBM Angular Contact Ball Bearings

Bearing No. 7413 BGBM

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	3.85
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
Inch - Metric	Metric
Long Description	65MM Bore; 160MM Outside Diameter; 37MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap



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	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	7413 BGBM
Weight / LBS	8.488
B	1.457 Inch   37 Millimeter
D	6.299 Inch   160 Millimeter
d	2.559 Inch   65 Millimeter
bore diameter:	65 mm
radial static load capacity:	96.5 kN
outside diameter:	160 mm
outer ring width:	37 mm
overall width:	37 mm
maximum rpm:	5300 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	130 kN
series:	74
d	65 mm
D	160 mm
B	37 mm
d <sub>1</sub>	101.38 mm
d <sub>2</sub>	83.75 mm



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$D_1$	125 mm
a	65 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	2.1 mm
$d_a$ min.	55 mm
$D_a$ max.	110 mm
$D_b$ max.	144.5 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	130 kN
Basic static load rating $C_0$	96.5 kN
Fatigue load limit $P_u$	3.8 kN
Reference speed	5300 r/min
Limiting speed	5300 r/min
Calculation factor A	0.182
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	4 kg