



# GARLOCK BEARINGS LTD



7405 BM Bearing 2D drawings and 3D CAD models

## 25 mm x 80 mm x 21 mm SKF 7405 BM Angular Contact Ball Bearings

Bearing No. 7405 BM

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.61
Product Group	B00308
Enclosure	Open
Flush Ground	No
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)
Inch - Metric	Metric
Long Description	25MM Bore; 80MM Outside Diameter; 21MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball



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	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	7405 BM
Weight / LBS	1.345
D	3.15 Inch   80 Millimeter
d	0.984 Inch   25 Millimeter
B	0.827 Inch   21 Millimeter
bore diameter:	25 mm
radial static load capacity:	23.6 kN
outside diameter:	80 mm
cage material:	Brass
overall width:	21 mm
outer ring width:	21 mm
contact angle:	40 °
maximum rpm:	11000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	1.5 mm
radial dynamic load capacity:	39.7 kN
series:	74
d	25 mm
D	80 mm
B	21 mm
d <sub>1</sub>	49.2 mm
d <sub>2</sub>	40.32 mm



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$D_1$	60.2 mm
a	33 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1.5 mm
$d_a$ min.	55 mm
$D_a$ max.	110 mm
$D_b$ max.	71.1 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	39.7 kN
Basic static load rating $C_0$	23.6 kN
Fatigue load limit $P_u$	1 kN
Reference speed	11000 r/min
Limiting speed	11000 r/min
Calculation factor A	0.0108
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	0.61 kg