



SNR BEARING CORP.OF AMERICA



25 mm x 80 mm x 21 mm skf 7405 BM Single row angular contact ball bearings

Bearing No. 7405 BM

7405 BM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.61
EAN	7316576651175
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



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Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
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 ₁	49.2 mm



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d_2	40.32 mm
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