



GARLOCK BEARINGS LTD



95 mm x 250 mm x 55 mm SKF 7419 M Angular Contact Ball Bearings

Bearing No. 7419 M

7419 M Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	13.51
EAN	7316576651557
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	95MM Bore; 250MM Outside Diameter; 55MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring



GARLOCK BEARINGS LTD

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	7419 M
Weight / LBS	29.762
D	9.843 Inch 250 Millimeter
d	3.74 Inch 95 Millimeter
B	2.165 Inch 55 Millimeter
bore diameter:	95 mm
radial dynamic load capacity:	56400 lbf
outside diameter:	250 mm
maximum temperature:	250 ° F
overall width:	55 mm
cage material:	Brass Cage
contact angle:	40 °
maximum rpm:	3000 rpm
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC3
bore type:	Straight
series:	7400
closure type:	Open
d	95 mm
D	250 mm
B	55 mm
d ₁	144.69 mm
D ₁	199.45 mm



GARLOCK BEARINGS LTD

a	97 mm
$r_{1,2}$ min.	4 mm
$r_{3,4}$ min.	4 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	221.5 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	242 kN
Basic static load rating C_0	236 kN
Fatigue load limit P_u	7.65 kN
Reference speed	3400 r/min
Limiting speed	3400 r/min
Calculation factor A	1.08
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	13.5 kg