GARLOCK BEARINGS LTD

3307 ATN9 Bearing 2D drawings and 3D CAD models

35 mm x 80 mm x 34.9 mm SKF 3307 ATN9 Angular Contact Ball Bearings

Bearing No. 3307 ATN9

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.755
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 1 | ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polyamide
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	35MM Bore; 80MM Outside Diameter; 34.9MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1 | ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide

	Cage; 30 Degree; 1 (Singl
Other Features	Glass Fibre Reinforced Cage
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	3307 ATN9
Weight / LBS	1.6622
d	1.378 Inch | 35 Millimeter
D	3.15 Inch | 80 Millimeter
B	1.374 Inch | 34.9 Millimeter
bore diameter:	35 mm
radial static load capacity:	35.5 kN
outside diameter:	80 mm
cage material:	Polyamide
overall width:	1.3750 in
outer ring width:	34.9 mm
contact angle:	30 °
maximum rpm:	8500 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1.5 mm
radial dynamic load capacity:	52 kN
series:	33
d	35 mm
D	80 mm

B	34.9 mm
$d_2 \approx$	44.6 mm
$D_2 \approx$	70.5 mm
$r_{1,2}$ min.	1.5 mm
a	47 mm
d_a min.	44 mm
D_a max.	71 mm
r_a max.	1.5 mm
Basic dynamic load rating C	52 kN
Basic static load rating C_0	35.5 kN
Fatigue load limit P_u	1.5 kN
Reference speed	9500 r/min
Limiting speed	8500 r/min
Calculation factor k_r	0.07
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor Y_0	0.66
Calculation factor Y_1	0.78
Calculation factor Y_2	1.24
Mass bearing	0.73 kg