1307 ETN9 Bearing 2D drawings and 3D CAD models

35 mm x 80 mm x 21 mm SKF 1307 ETN9 Self Aligning Ball Bearings

Bearing No. **1307 ETN9**

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.51
EAN	7316576626104
Product Group	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Polyamide
Precision Class	ABEC 1 | ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg | High Capacity Design
Long Description	35MM Bore; Shaft Mount; 80MM Outside Diameter; 21MM Inner Race Width; 21MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 | ISO P0; C0-Medium
Inch - Metric	Metric
Category	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing

Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	1307 ETN9
Weight / LBS	1.124
d	1.378 Inch | 35 Millimeter
D	3.15 Inch | 80 Millimeter
Inner Race Width	0.827 Inch | 21 Millimeter
Outer Race Width	0.827 Inch | 21 Millimeter
bore diameter:	35 mm
precision rating:	Not Rated
outside diameter:	80 mm
maximum rpm:	11000 RPM
overall width:	21 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	21 mm
dynamic load capacity:	26.5 kN
fillet radius:	1.5 mm
static load capacity:	8.5 kN
series:	1300
d	35 mm
D	80 mm
B	21 mm
$d_1 \approx$	51.55 mm
$D_1 \approx$	67.5 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	44 mm
D_a max.	71 mm

r_a max.	1.5 mm
Basic dynamic load rating C	26.5 kN
Basic static load rating C_0	8.5 kN
Fatigue load limit P_u	0.43 kN
Reference speed	16000 r/min
Limiting speed	11000 r/min
Permissible angular misalignment α	3 °
Calculation factor k_r	0.04
Calculation factor e	0.25
Calculation factor Y_0	2.5
Calculation factor Y_1	2.5
Calculation factor Y_2	3.9
Mass bearing	0.51 kg