



High Quality NSK BEARING LTD



1309 ETN9 Bearing 2D drawings and 3D CAD models

45 mm x 100 mm x 25 mm SKF 1309 ETN9 Self Aligning Ball Bearings

Bearing No. 1309 ETN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.958
EAN	7316576620737
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	45MM Bore; Shaft Mount; 100MM Outside Diameter; 25MM Inner Race Width; 25MM 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



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Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	1309 ETN9
Weight / LBS	2.116
d	1.772 Inch 45 Millimeter
D	3.937 Inch 100 Millimeter
Inner Race Width	0.984 Inch 25 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	25 mm
dynamic load capacity:	39 kN
fillet radius:	1.5 mm
static load capacity:	13.4 kN
series:	1300
d	45 mm
D	100 mm
B	25 mm
d ₁	67.71 mm
D ₁	87.8 mm
r _{1,2} min.	1.5 mm
d _a min.	54 mm
D _a max.	91 mm



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r_a max.	1.5 mm
Basic dynamic load rating C	39 kN
Basic static load rating C_0	13.4 kN
Fatigue load limit P_u	0.7 kN
Reference speed	12000 r/min
Limiting speed	8500 r/min
Permissible angular misalignment	3 °
Calculation factor k_r	0.04
Calculation factor e	0.23
Calculation factor Y_0	2.8
Calculation factor Y_1	2.7
Calculation factor Y_2	4.2
Mass bearing	0.96 kg