



Fujian Zhenyuan Hydraulic Equipment C...



1209 ETN9 Bearing 2D drawings and 3D CAD models

45 mm x 85 mm x 19 mm SKF 1209 ETN9 Self Aligning Ball Bearings

Bearing No. 1209 ETN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.471
EAN	7316576623288
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 2.5 Deg High Capacity Design
Long Description	45MM Bore; Shaft Mount; 85MM Outside Diameter; 19MM Inner Race Width; 19MM 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



Fujian Zhenyuan Hydraulic Equipment C...

Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	1209 ETN9
Weight / LBS	1.036
d	1.772 Inch 45 Millimeter
Outer Race Width	0.748 Inch 19 Millimeter
D	3.346 Inch 85 Millimeter
Inner Race Width	0.748 Inch 19 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	85 mm
maximum rpm:	11000 RPM
overall width:	19 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C0
outer ring width:	19 mm
dynamic load capacity:	22.9 kN
fillet radius:	1.1 mm
static load capacity:	7.8 kN
series:	1200
d	45 mm
D	85 mm
B	19 mm
d ₁	57.51 mm
D ₁	72.5 mm
r _{1,2} min.	1.1 mm
d _a min.	52 mm
D _a max.	78 mm



Fujian Zhenyuan Hydraulic Equipment C...

r_a max.	1.1 mm
Basic dynamic load rating C	22.9 kN
Basic static load rating C_0	7.8 kN
Fatigue load limit P_u	0.4 kN
Reference speed	17000 r/min
Limiting speed	11000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.21
Calculation factor Y_0	3.2
Calculation factor Y_1	3
Calculation factor Y_2	4.6
Mass bearing	0.47 kg