1203 etn9 Bearing 2D drawings and 3D CAD models

17 mm x 40 mm x 12 mm skf 1203 etn9 bearing

Bearing No. 1203 etn9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.07
EAN	7316576624513
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	17MM Bore; Shaft Mount; 40MM Outside Diameter; 12MM Inner Race Width; 12MM 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	1203 ETN9
Weight / LBS	0.161
D	1.575 Inch | 40 Millimeter
Inner Race Width	0.472 Inch | 12 Millimeter
Outer Race Width	0.472 Inch | 12 Millimeter
d	0.669 Inch | 17 Millimeter
bore diameter:	17 mm
precision rating:	Not Rated
outside diameter:	40 mm
maximum rpm:	24000 RPM
overall width:	12 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:	12 mm
dynamic load capacity:	8.84 kN
fillet radius:	0.6 mm
static load capacity:	2.2 kN
series:	1200
d	17 mm
D	40 mm
B	12 mm
$d_1 \approx$	24 mm
$D_1 \approx$	32.9 mm
$r_{1,2}$ min.	0.6 mm
d_a min.	21.2 mm
D_a max.	35.8 mm

r_a max.	0.6 mm
Basic dynamic load rating C	8.84 kN
Basic static load rating C_0	2.2 kN
Fatigue load limit P_u	0.12 kN
Reference speed	38000 r/min
Limiting speed	24000 r/min
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.31
Calculation factor Y_0	2.2
Calculation factor Y_1	2
Calculation factor Y_2	3.1
Mass bearing	0.073 kg