



Shandong XSY Bearing Co., Ltd.



2209 ETN9 Bearing 2D drawings and 3D CAD models

45 mm x 85 mm x 23 mm SKF 2209 ETN9 Self Aligning Ball Bearings

Bearing No. 2209 ETN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.553
EAN	7316576620546
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; 23MM Inner Race Width; 23MM 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	2209 ETN9
Weight / LBS	1.213
Inner Race Width	0.906 Inch 23 Millimeter
D	3.346 Inch 85 Millimeter
Outer Race Width	0.906 Inch 23 Millimeter
d	1.772 Inch 45 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	85 mm
maximum rpm:	10000 RPM
overall width:	23 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:	23 mm
dynamic load capacity:	32.5 kN
fillet radius:	1.1 mm
static load capacity:	10.6 kN
series:	2200
d	45 mm
D	85 mm
B	23 mm
d ₁	55.32 mm
D ₁	73.2 mm
r _{1,2} min.	1.1 mm
d _a min.	52 mm
D _a max.	78 mm



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r_a max.	1.1 mm
Basic dynamic load rating C	32.5 kN
Basic static load rating C_0	10.6 kN
Fatigue load limit P_u	0.54 kN
Reference speed	15000 r/min
Limiting speed	10000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.045
Calculation factor e	0.26
Calculation factor Y_0	2.5
Calculation factor Y_1	2.4
Calculation factor Y_2	3.7
Mass bearing	0.55 kg