



# MACHINE PRECISION AXLE CORP.

## 45 mm x 85 mm x 58 mm SKF 11209 TN9 Self Aligning Ball Bearings



11209 TN9 Bearing 2D drawings and 3D CAD models

Bearing No. 11209 TN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.77
EAN	7316571228273
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   Extended Inner Ring
Long Description	45MM Bore; Shaft Mount; 85MM Outside Diameter; 58MM 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



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Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	0.748 Inch   19 Millimeter
d	1.772 Inch   45 Millimeter
D	3.346 Inch   85 Millimeter
Inner Race Width	2.283 Inch   58 Millimeter
d	45 mm
D	85 mm
B	58 mm
C	19 mm
d <sub>1</sub>	57.7 mm
D <sub>1</sub>	72.5 mm
r <sub>1,2</sub> min.	1.1 mm
D <sub>a</sub> max.	78 mm
r <sub>a</sub> max.	1.1 mm
Basic dynamic load rating C	22.9 kN
Basic static load rating C <sub>0</sub>	7.8 kN
Fatigue load limit P <sub>u</sub>	0.4 kN
Reference speed	12000 r/min
Limiting speed	4500 r/min
Permissible angular misalignment	2.5 °
Calculation factor k <sub>r</sub>	0.04
Calculation factor e	0.21
Calculation factor Y <sub>0</sub>	3.2
Calculation factor Y <sub>1</sub>	3
Calculation factor Y <sub>2</sub>	4.6
Mass bearing	0.77 kg