



# BEARING ITALIA S.P.A



1209 EKTN9 Bearing 2D drawings and 3D CAD models

45 mm x 85 mm x 19 mm skf 1209 EKTN9 Self-aligning ball bearings

Bearing No. 1209 EKTN9

Category	Self Aligning Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.47
EAN	7316576622229
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-209
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   1:12 Taper
Long Description	45MM Bore; Tapered Adapter 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



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UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1209 EKTN9
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:	Tapered 1:12
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 <sub>1</sub>	57.51 mm
D <sub>1</sub>	72.5 mm



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$r_{1,2}$ min.	1.1 mm
$D_a$ max.	78 mm
$r_a$ 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