



# ISOSTATIC BEARING SALES COMPANT



1309 EKTN9 Bearing 2D drawings and 3D CAD models

## SKF 1309 EKTN9 Self Aligning Ball Bearings

Bearing No. 1309 EKTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.96
EAN	7316576620768
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-309
Cage Material	Polyamide
Precision Class	ABEC 1   ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg   High Capacity Design   1:12 Taper
Long Description	45MM Bore; Tapered Adapter Mount; 100MM Outside Diameter; 25MM Inner Race Width; 25MM 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



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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	1309 EKTN9
Weight / LBS	2.116
D	3.937 Inch   100 Millimeter
Outer Race Width	0.984 Inch   25 Millimeter
d	1.772 Inch   45 Millimeter
Inner Race Width	0.984 Inch   25 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	25 mm
dynamic load capacity:	39 kN
fillet radius:	1.5 mm
static load capacity:	13.4 kN
series:	1300
d	45 mm
D	100 mm
B	25 mm
d <sub>1</sub>	67.71 mm
D <sub>1</sub>	87.8 mm
r <sub>1,2</sub> min.	1.5 mm



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$D_a$ max.	91 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	39 kN
Basic static load rating $C_0$	13.4 kN
Fatigue load limit $P_u$	0.7 kN
Reference speed	12000 r/min
Limiting speed	8500 r/min
Permissible angular misalignment	3 °
Calculation factor $k_r$	0.04
Calculation factor e	0.23
Calculation factor $Y_0$	2.8
Calculation factor $Y_1$	2.7
Calculation factor $Y_2$	4.2
Mass bearing	0.96 kg