



BEARING SUDAMERICANA, S.A.



45 mm x 100 mm x 36 mm SKF 2309
E-2RS1TN9 Self Aligning Ball Bearings

Bearing No. 2309 E-2RS1TN9

2309 E-2RS1TN9 Bearing 2D drawings and 3D CAD models

Category	Self Aligning Ball Bearings
Inventory	3.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.272
EAN	7316577035875
Product Group	B00152
Mounting Method	Shaft
Enclosure	2 Seals
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 1.5 Deg High Capacity Design
Long Description	45MM Bore; Shaft Mount; 100MM Outside Diameter; 36MM Inner Race Width; 36MM Outer Race Width; 2 Seals; 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	2309 E-2RS1TN9
Weight / LBS	2.802
Outer Race Width	1.417 Inch 36 Millimeter
D	3.937 Inch 100 Millimeter
d	1.772 Inch 45 Millimeter
Inner Race Width	1.417 Inch 36 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	100 mm
maximum rpm:	4500 RPM
overall width:	36 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Double Sealed
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	36 mm
operating temperature range:	-40 to +210 ° F
fillet radius:	1.5 mm
dynamic load capacity:	39 kN
series:	2300
static load capacity:	13.4 kN
d	45 mm
D	100 mm
B	36 mm
d ₂	60.9 mm
D ₂	90 mm
r _{1,2} min.	1.5 mm



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d_a min.	54 mm
d_a max.	60.5 mm
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
Limiting speed	4500 r/min
Permissible angular misalignment	1.5 °
Calculation factor k_r	0.05
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	1.3 kg