



NTN BEARING MFG.CORP



2308 EKTN9 Bearing 2D drawings and 3D CAD models

40 mm x 90 mm x 33 mm SKF 2308 EKTN9 Self Aligning Ball Bearings

Bearing No. 2308 EKTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.9
EAN	7316576638114
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-2308
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	40MM Bore; Tapered Adapter Mount; 90MM Outside Diameter; 33MM Inner Race Width; 33MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
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UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2308 EKTN9
Weight / LBS	1.984
Outer Race Width	1.299 Inch 33 Millimeter
d	1.575 Inch 40 Millimeter
Inner Race Width	1.299 Inch 33 Millimeter
D	3.543 Inch 90 Millimeter
bore diameter:	40 mm
precision rating:	Not Rated
outside diameter:	90 mm
maximum rpm:	10000 RPM
overall width:	33 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
internal clearance:	C3
outer ring width:	33 mm
dynamic load capacity:	54 kN
fillet radius:	1.5 mm
static load capacity:	16 kN
series:	2300
d	40 mm
D	90 mm
B	33 mm
d ₁	53.75 mm
D ₁	77.8 mm



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$r_{1,2}$ min.	1.5 mm
D_a max.	81 mm
r_a max.	1.5 mm
Basic dynamic load rating C	54 kN
Basic static load rating C_0	16 kN
Fatigue load limit P_u	0.82 kN
Reference speed	14000 r/min
Limiting speed	10000 r/min
Permissible angular misalignment	3 °
Calculation factor k_r	0.05
Calculation factor e	0.4
Calculation factor Y_0	1.6
Calculation factor Y_1	1.6
Calculation factor Y_2	2.4
Mass bearing	0.9 kg