



1311 EKTN9 Bearing 2D drawings and 3D CAD models

**55 mm x 120 mm x 29 mm SKF 1311 EKTN9
Self Aligning Ball Bearings**

Bearing No. 1311 EKTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.6
EAN	7316576624520
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-311
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	55MM Bore; Tapered Adapter Mount; 120MM Outside Diameter; 29MM Inner Race Width; 29MM 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
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	1311 EKTN9
Weight / LBS	3.527
Outer Race Width	1.142 Inch 29 Millimeter
d	2.165 Inch 55 Millimeter
D	4.724 Inch 120 Millimeter
Inner Race Width	1.142 Inch 29 Millimeter
bore diameter:	55 mm
precision rating:	Not Rated
outside diameter:	120 mm
maximum rpm:	7500 RPM
overall width:	29 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:	29 mm
dynamic load capacity:	50.7 kN
fillet radius:	2 mm
static load capacity:	18 kN
series:	1300
d	55 mm
D	120 mm
B	29 mm
d ₁	77.9 mm
D ₁	101.4 mm



$r_{1,2}$ min.	2 mm
D_a max.	109 mm
r_a max.	2 mm
Basic dynamic load rating C	50.7 kN
Basic static load rating C_0	18 kN
Fatigue load limit P_u	0.92 kN
Reference speed	11000 r/min
Limiting speed	7500 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	1.6 kg