



BEARING ITALIA S.P.A



55 mm x 100 mm x 21 mm skf 1211 EKTN9 Self-aligning ball bearings

Bearing No. 1211 EKTN9

1211 EKTN9 Bearing 2D drawings and 3D CAD models

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.71
EAN	7316576623509
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-211
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	55MM Bore; Tapered Adapter Mount; 100MM Outside Diameter; 21MM Inner Race Width; 21MM 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	http://www.skf.com
Manufacturer Item Number	1211 EKTN9
Weight / LBS	1.565
Inner Race Width	0.827 Inch 21 Millimeter
D	3.937 Inch 100 Millimeter
d	2.165 Inch 55 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
bore diameter:	55 mm
precision rating:	Not Rated
outside diameter:	100 mm
maximum rpm:	9000 RPM
overall width:	21 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:	21 mm
dynamic load capacity:	27.6 kN
fillet radius:	1.5 mm
static load capacity:	10.6 kN
series:	1200
d	55 mm
D	100 mm
B	21 mm
d ₁	70.3 mm
D ₁	86.5 mm



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$r_{1,2}$ min.	1.5 mm
D_a max.	91 mm
r_a max.	1.5 mm
Basic dynamic load rating C	27.6 kN
Basic static load rating C_0	10.6 kN
Fatigue load limit P_u	0.54 kN
Reference speed	14000 r/min
Limiting speed	9000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.19
Calculation factor Y_0	3.6
Calculation factor Y_1	3.3
Calculation factor Y_2	5.1
Mass bearing	0.71 kg