



Bearing company



1205 EKTN9 Bearing 2D drawings and 3D CAD models

25 mm x 52 mm x 15 mm skf 1205 ektn9 bearing

Bearing No. 1205 ektn9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.138
EAN	7316576621376
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-205
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	25MM Bore; Tapered Adapter Mount; 52MM Outside Diameter; 15MM Inner Race Width; 15MM 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	http://www.skf.com
Manufacturer Item Number	1205 EKTN9
Weight / LBS	0.309
Outer Race Width	0.591 Inch 15 Millimeter
Inner Race Width	0.591 Inch 15 Millimeter
D	2.047 Inch 52 Millimeter
d	0.984 Inch 25 Millimeter
bore diameter:	25 mm
precision rating:	Not Rated
outside diameter:	52 mm
maximum rpm:	18000 RPM
overall width:	15 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C3
outer ring width:	15 mm
dynamic load capacity:	14.3 kN
fillet radius:	1 mm
static load capacity:	4 kN
series:	1200
d	25 mm
D	52 mm
B	15 mm
d ₁	33.3 mm
D ₁	44.6 mm
r _{1,2} min.	1 mm



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D_a max.	46.4 mm
r_a max.	1 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C_0	4 kN
Fatigue load limit P_u	0.21 kN
Reference speed	28000 r/min
Limiting speed	18000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.28
Calculation factor Y_0	2.5
Calculation factor Y_1	2.2
Calculation factor Y_2	3.5
Mass bearing	0.14 kg