



Bearing No. 1213 EKTN9

D	120 mm
d	65 mm
B	23 mm
Bore	2.559 Inch 65 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	1200
Category	Self Aligning Ball Bearings
Inventory	0.0
Size (mm)	120x65x23
Enclosure	Open
Width (mm)	23
bore type:	Tapered 1:12
Mass bearing	1.1 kg
Weight / LBS	2.425
maximum rpm:	7000 RPM
closure type:	Open
D ₁	104 mm
Inch - Metric	Metric
d ₁	85.1 mm
Cage Material	Polyamide
Product Group	B00152
bore diameter:	65 mm
overall width:	23 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
fillet radius:	1.5 mm
Other Features	Allowable Misalignment

	2.5 Deg High Capacity Design 1:12 Taper
Adapter Sleeve	H-213
Bearing number	1213 EKTN9
Limiting speed	7000 r/min
Mounting Method	Tapered Adapter
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	11000 r/min
Precision Class	ABEC 1 ISO P0
Long Description	65MM Bore; Tapered Adapter Mount; 120MM Outside Diameter; 23MM Inner Race Width; 23MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outer Race Width	0.906 Inch 23 Millimeter
Manufacturer URL	http://www.skf.com
Inner Race Width	0.906 Inch 23 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Manufacturer Name	SKF
outer ring width:	23 mm
outside diameter:	120 mm
Weight / Kilogram	1.1
precision rating:	Not Rated
Internal Clearance	C0-Medium
r _a max.	1.5 mm
D _a max.	111 mm
Bore Diameter (mm)	120

Outer Diameter (mm)	65
internal clearance:	C0
$r_{1,2}$ min.	1.5 mm
Calculation factor e	0.18
D_a - max.	111 mm
r_a - max.	1.5 mm
Minimum Buy Quantity	N/A
D_1 ?	104 mm
maximum misalignment:	2.5 °
static load capacity:	14 kN
d_1 ?	85.1 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	35.1 kN
Calculation factor - e	0.18
Number of Rows of Balls	Double Row
Manufacturer Item Number	1213 EKTN9
Basic dynamic load rating C	35.1 kN
Basic dynamic load rating - C	35.1 kN
Fatigue load limit P_u	0.72 kN
Calculation factor k_r	0.04
Calculation factor Y_0	3.6
Calculation factor Y_1	3.5
Calculation factor Y_2	5.4
Calculation factor - Y_2	5.4
Calculation factor - Y_0	3.6
Calculation factor - k_r	0.04
Fatigue load limit - P_u	0.72 kN
Calculation factor - Y_1	3.5

Permissible angular misalignment ?	2.5 °
Basic static load rating C ₀	14 kN
Basic static load rating - C ₀	14 kN