



Bearing No. 2207 EKTN9

D	72 mm
d	35 mm
B	23 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Inventory	0.0
Size (mm)	72x35x23
Enclosure	Open
Width (mm)	23
bore type:	Tapered 1:12
Mass bearing	0.4 kg
Weight / LBS	0.882
maximum rpm:	12000 RPM
closure type:	Open
D ₁	62.9 mm
Inch - Metric	Metric
d ₁	45.3 mm
Cage Material	Polyamide
Product Group	B00152
bore diameter:	35 mm
overall width:	23 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
fillet radius:	1.1 mm
Other Features	Allowable Misalignment

	2.5 Deg High Capacity Design 1:12 Taper
Adapter Sleeve	H-307
Bearing number	2207 EKTN9
Limiting speed	12000 r/min
Mounting Method	Tapered Adapter
Reference speed	18000 r/min
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Outer Race Width	0.906 Inch 23 Millimeter
Outside Diameter	2.835 Inch 72 Millimeter
Manufacturer URL	http://www.skf.com
Inner Race Width	0.906 Inch 23 Millimeter
Long Description	35MM Bore; Tapered Adapter Mount; 72MM Outside Diameter; 23MM Inner Race Width; 23MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
outer ring width:	23 mm
Manufacturer Name	SKF
outside diameter:	72 mm
Weight / Kilogram	0.4
precision rating:	Not Rated
D _a max.	65 mm
Bore Diameter (mm)	72
r _a max.	1.1 mm
Internal Clearance	C0-Medium

Outer Diameter (mm)	35
internal clearance:	C3
$r_{1,2}$ min.	1.1 mm
Calculation factor e	0.31
D_a - max.	65 mm
r_a - max.	1.1 mm
Minimum Buy Quantity	N/A
D_1 ?	62.9 mm
maximum misalignment:	2.5 °
static load capacity:	8.8 kN
d_1 ?	45.3 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.1 mm
dynamic load capacity:	30.2 kN
Calculation factor - e	0.31
Number of Rows of Balls	Double Row
Manufacturer Item Number	2207 EKTN9
Basic dynamic load rating C	30.2 kN
Basic dynamic load rating - C	30.2 kN
Fatigue load limit P_u	0.455 kN
Calculation factor k_r	0.045
Calculation factor Y_0	2.2
Calculation factor Y_1	2
Calculation factor Y_2	3.1
Calculation factor - Y_2	3.1
Calculation factor - Y_0	2.2
Calculation factor - k_r	0.045
Fatigue load limit - P_u	0.46 kN
Calculation factor - Y_1	2

Permissible angular misalignment ?	2.5 °
Basic static load rating C ₀	8.8 kN
Basic static load rating - C ₀	8.8 kN