



## American Precision Parts Co., Ltd.



1207 EKTN9 Bearing 2D drawings and 3D CAD models

### 35 mm x 72 mm x 17 mm SKF 1207 EKTN9 Self Aligning Ball Bearings

Bearing No. 1207 EKTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.321
EAN	7316576621642
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-207
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	35MM Bore; Tapered Adapter Mount; 72MM Outside Diameter; 17MM Inner Race Width; 17MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1207 EKTN9
Weight / LBS	0.705
D	2.835 Inch   72 Millimeter
Inner Race Width	0.669 Inch   17 Millimeter
d	1.378 Inch   35 Millimeter
Outer Race Width	0.669 Inch   17 Millimeter
bore diameter:	35 mm
precision rating:	Not Rated
outside diameter:	72 mm
maximum rpm:	13000 RPM
overall width:	17 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:	17 mm
dynamic load capacity:	19 kN
fillet radius:	1.1 mm
static load capacity:	6 kN
series:	1200
d	35 mm
D	72 mm
B	17 mm
d <sub>1</sub>	47 mm
D <sub>1</sub>	60.9 mm



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$r_{1,2}$ min.	1.1 mm
$D_a$ max.	65 mm
$r_a$ max.	1.1 mm
Basic dynamic load rating C	19 kN
Basic static load rating $C_0$	6 kN
Fatigue load limit $P_u$	0.31 kN
Reference speed	20000 r/min
Limiting speed	13000 r/min
Permissible angular misalignment	2.5 °
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	0.32 kg