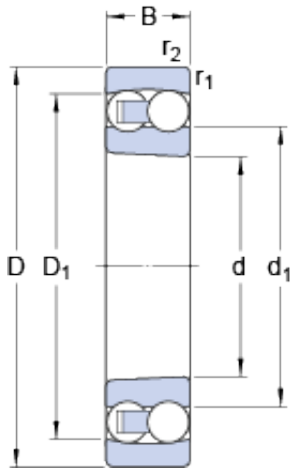




BEARING DRIVESHAFT, INC.



45 mm x 85 mm x 23 mm skf 2209 ektn9 bearing

Bearing No. 2209 ektn9

2209 ektn9 Bearing 2D drawings and 3D CAD models

Size	85x45x23 mm
Bore Diameter	85 mm
Outer Diameter	45 mm
Width	23 mm
d	45 mm
D	85 mm
B	23 mm
d ₁	55.32 mm
D ₁	73.2 mm
r _{1,2} - min.	1.1 mm
D _a - max.	78 mm
r _a - max.	1.1 mm
Basic dynamic load rating - C	32.5 kN
Basic static load rating - C ₀	10.6 kN
Fatigue load limit - P _u	0.54 kN
Reference speed	15000 r/min
Limiting speed	10000 r/min
Calculation factor - k _r	0.045
Calculation factor - e	0.26
Calculation factor - Y ₀	2.5
Calculation factor - Y ₁	2.4
Calculation factor - Y ₂	3.7
Category	Self Aligning Ball Bearings
Inventory	0.0



BEARING DRIVESHAFT,INC.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.548
EAN	7316576620553
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-309
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	45MM Bore; Tapered Adapter Mount; 85MM Outside Diameter; 23MM Inner Race Width; 23MM 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
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2209 EKTN9
Weight / LBS	1.213
Outside Diameter	3.346 Inch 85 Millimeter
Inner Race Width	0.906 Inch 23 Millimeter



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Bore	1.772 Inch 45 Millimeter
Outer Race Width	0.906 Inch 23 Millimeter
bore diameter:	45 mm
precision rating:	Not Rated
outside diameter:	85 mm
maximum rpm:	10000 RPM
overall width:	23 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:	23 mm
dynamic load capacity:	32.5 kN
fillet radius:	1.1 mm
static load capacity:	10.6 kN
series:	2200
d_1	55.32 mm
D_1	73.2 mm
$r_{1,2}$ min.	1.1 mm
D_a max.	78 mm
r_a max.	1.1 mm
Basic dynamic load rating C	32.5 kN
Basic static load rating C_0	10.6 kN
Fatigue load limit P_u	0.54 kN
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.045
Calculation factor e	0.26
Calculation factor Y_0	2.5
Calculation factor Y_1	2.4
Calculation factor Y_2	3.7



BEARING DRIVESHAFT, INC.

Mass bearing	0.55 kg
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