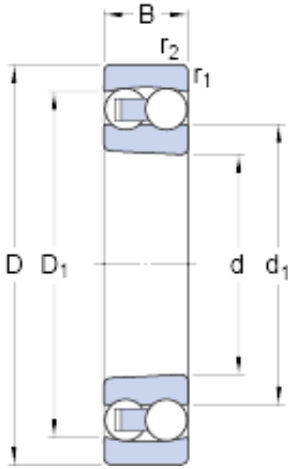




## Bearing company



2209 ektn9 Bearing 2D drawings and 3D CAD models

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

Bearing No. 2209 ektn9

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



## Bearing company

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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	2209 EKTN9
Weight / LBS	1.213
Outside Diameter	3.346 Inch   85 Millimeter
Inner Race Width	0.906 Inch   23 Millimeter



## Bearing company

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 company

Mass bearing	0.55 kg
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