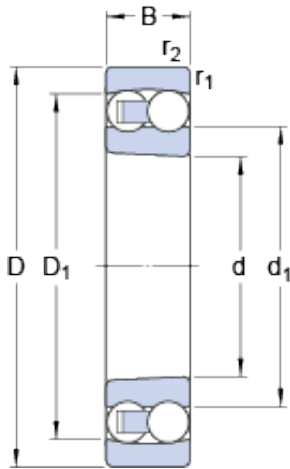




# BEARING DRIVESHAFT, INC.



50 mm x 90 mm x 23 mm skf 2210 ektn9 bearing

Bearing No. 2210 ektn9

2210 ektn9 Bearing 2D drawings and 3D CAD models

Size	90x50x23 mm
Bore Diameter	90 mm
Outer Diameter	50 mm
Width	23 mm
d	50 mm
D	90 mm
B	23 mm
d <sub>1</sub>	61.47 mm
D <sub>1</sub>	80.2 mm
r <sub>1,2</sub> - min.	1.1 mm
D <sub>a</sub> - max.	83 mm
r <sub>a</sub> - max.	1.1 mm
Basic dynamic load rating - C	33.8 kN
Basic static load rating - C <sub>0</sub>	11.2 kN
Fatigue load limit - P <sub>u</sub>	0.57 kN
Reference speed	14000 r/min
Limiting speed	9500 r/min
Calculation factor - k <sub>r</sub>	0.045
Calculation factor - e	0.23
Calculation factor - Y <sub>0</sub>	2.8
Calculation factor - Y <sub>1</sub>	2.7
Calculation factor - Y <sub>2</sub>	4.2
Category	Self Aligning Ball Bearings
Inventory	0.0



## BEARING DRIVESHAFT, INC.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.6
EAN	7316576620577
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-310
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	50MM Bore; Tapered Adapter Mount; 90MM 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	2210 EKTN9
Weight / LBS	1.323
Outer Race Width	0.906 Inch   23 Millimeter
Inner Race Width	0.906 Inch   23 Millimeter



## BEARING DRIVESHAFT, INC.

Outside Diameter	3.543 Inch   90 Millimeter
Bore	1.969 Inch   50 Millimeter
bore diameter:	50 mm
precision rating:	Not Rated
outside diameter:	90 mm
maximum rpm:	9500 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:	33.8 kN
fillet radius:	1.1 mm
static load capacity:	11.2 kN
series:	2200
$d_1$	61.47 mm
$D_1$	80.2 mm
$r_{1,2}$ min.	1.1 mm
$D_a$ max.	83 mm
$r_a$ max.	1.1 mm
Basic dynamic load rating C	33.8 kN
Basic static load rating $C_0$	11.2 kN
Fatigue load limit $P_u$	0.57 kN
Permissible angular misalignment	2.5 °
Calculation factor $k_r$	0.045
Calculation factor e	0.23
Calculation factor $Y_0$	2.8
Calculation factor $Y_1$	2.7
Calculation factor $Y_2$	4.2



# BEARING DRIVESHAFT, INC.

Mass bearing	0.6 kg
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