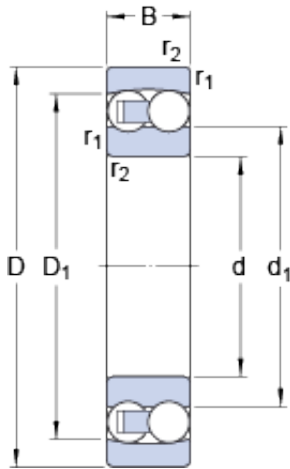




# BEARING DRIVESHAFT, INC.



70 mm x 125 mm x 31 mm skf 2214 bearing

Bearing No. 2214

2214 Bearing 2D drawings and 3D CAD models

Size	125x70x31 mm
Bore Diameter	125 mm
Outer Diameter	70 mm
Width	31 mm
d	70 mm
D	125 mm
B	31 mm
d <sub>1</sub>	88 mm
D <sub>1</sub>	109 mm
r <sub>1,2</sub> - min.	1.5 mm
d <sub>a</sub> - min.	79 mm
D <sub>a</sub> - max.	116 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	44.2 kN
Basic static load rating - C <sub>0</sub>	17 kN
Fatigue load limit - P <sub>u</sub>	0.88 kN
Reference speed	10000 r/min
Limiting speed	6700 r/min
Calculation factor - k <sub>r</sub>	0.04
Calculation factor - e	0.27
Calculation factor - Y <sub>0</sub>	2.5
Calculation factor - Y <sub>1</sub>	2.3
Calculation factor - Y <sub>2</sub>	3.6
Category	Self Aligning Ball Bearings



## BEARING DRIVESHAFT,INC.

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.574
Product Group	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1   ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	70MM Bore; Shaft Mount; 125MM Outside Diameter; 31MM Inner Race Width; 31MM Outer Race Width; Open; Steel 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	2214
Weight / LBS	3.466
Bore	2.756 Inch   70 Millimeter
Outer Race Width	1.22 Inch   31 Millimeter
Outside Diameter	4.921 Inch   125 Millimeter
Inner Race Width	1.22 Inch   31 Millimeter



## BEARING DRIVESHAFT, INC.

bore diameter:	70 mm
static load capacity:	17 kN
outside diameter:	125 mm
precision rating:	Not Rated
overall width:	31 mm
maximum rpm:	6700 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	31 mm
internal clearance:	C0
fillet radius:	1.5 mm
dynamic load capacity:	44.2 kN
series:	2200
$d_1$	88 mm
$D_1$	109 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	79 mm
$D_a$ max.	116 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	44.2 kN
Basic static load rating $C_0$	17 kN
Fatigue load limit $P_u$	0.88 kN
Permissible angular misalignment	2.5 °
Calculation factor $k_r$	0.04
Calculation factor e	0.27
Calculation factor $Y_0$	2.5
Calculation factor $Y_1$	2.3
Calculation factor $Y_2$	3.6
Mass bearing	1.5 kg