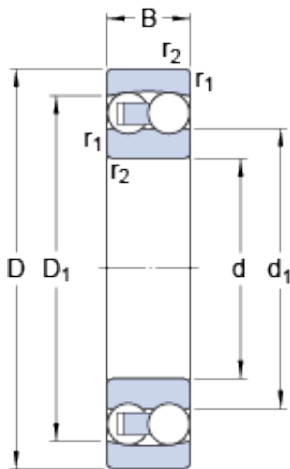




## BEARING DRIVESHAFT ANDERSON, INC.



100 mm x 180 mm x 46 mm SKF 2220 Self aligning ball bearings

Bearing No. 2220

2220 Bearing 2D drawings and 3D CAD models

Size	180x100x46 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	46 mm
d	100 mm
D	180 mm
B	46 mm
d <sub>1</sub>	124 mm
D <sub>1</sub>	156.9 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	112 mm
D <sub>a</sub> - max.	168 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	97.5 kN
Basic static load rating - C <sub>0</sub>	40.5 kN
Fatigue load limit - P <sub>u</sub>	1.8 kN
Reference speed	6700 r/min
Limiting speed	4800 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



## BEARING DRIVESHAFT ANDERSON, INC.

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
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 2.5 Deg
Long Description	100MM Bore; Shaft Mount; 180MM Outside Diameter; 46MM Inner Race Width; 46MM 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>
Outer Race Width	1.811 Inch   46 Millimeter
Bore	3.937 Inch   100 Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
Inner Race Width	1.811 Inch   46 Millimeter
d <sub>1</sub>	124 mm



## BEARING DRIVESHAFT ANDERSON, INC.

$D_1$	156.9 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	112 mm
$D_a$ max.	168 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	97.5 kN
Basic static load rating $C_0$	40.5 kN
Fatigue load limit $P_u$	1.76 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	5 kg