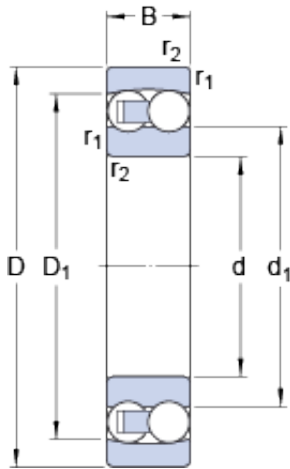




# BEARING DRIVESHAFT, INC.



90 mm x 160 mm x 40 mm skf 2218 bearing

Bearing No. 2218

2218 Bearing 2D drawings and 3D CAD models

Size	160x90x40 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	40 mm
d	90 mm
D	160 mm
B	40 mm
d <sub>1</sub>	112.6 mm
D <sub>1</sub>	139.5 mm
r <sub>1,2</sub> - min.	2 mm
d <sub>a</sub> - min.	101 mm
D <sub>a</sub> - max.	149 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	70.2 kN
Basic static load rating - C <sub>0</sub>	28.5 kN
Fatigue load limit - P <sub>u</sub>	1.3 kN
Reference speed	7500 r/min
Limiting speed	5300 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	3.284
EAN	7316577002020
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	90MM Bore; Shaft Mount; 160MM Outside Diameter; 40MM Inner Race Width; 40MM 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	2218
Weight / LBS	7.233
Inner Race Width	1.575 Inch   40 Millimeter
Outer Race Width	1.575 Inch   40 Millimeter
Bore	3.543 Inch   90 Millimeter



## BEARING DRIVESHAFT, INC.

Outside Diameter	6.299 Inch   160 Millimeter
bore diameter:	90 mm
static load capacity:	28.5 kN
outside diameter:	160 mm
precision rating:	Not Rated
overall width:	40 mm
maximum rpm:	5300 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	40 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	70.2 kN
series:	2200
$d_1$	112.6 mm
$D_1$	139.5 mm
$r_{1,2}$ min.	2 mm
$d_a$ min.	101 mm
$D_a$ max.	149 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	70.2 kN
Basic static load rating $C_0$	28.5 kN
Fatigue load limit $P_u$	1.32 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	3.4 kg