



## BEARING DRIVESHAFT, INC.



220 mm x 270 mm x 24 mm skf 61844 bearing

Bearing No. 61844

61844 Bearing 2D drawings and 3D CAD models

Size	270x220x24 mm
Bore Diameter	270 mm
Outer Diameter	220 mm
Width	24 mm
d	220 mm
D	270 mm
B	24 mm
d <sub>1</sub>	236 mm
D <sub>1</sub>	254 mm
r <sub>1,2</sub> - min.	1.5 mm
d <sub>a</sub> - min.	227 mm
D <sub>a</sub> - max.	263 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	78 kN
Basic static load rating - C <sub>0</sub>	110 kN
Fatigue load limit - P <sub>u</sub>	3 kN
Reference speed	4500 r/min
Limiting speed	2800 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	17.4
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.67



## BEARING DRIVESHAFT, INC.

Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	220MM Bore; 270MM Outside Diameter; 24MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	61844
Weight / LBS	2.55
Outer Race Width	0.945 Inch   24 Millimeter
Outside Diameter	10.63 Inch   270 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Bore	8.661 Inch   220 Millimeter
bore diameter:	220 mm
static load capacity:	110 kN



## BEARING DRIVESHAFT, INC.

outside diameter:	270 mm
finish/coating:	Uncoated
overall width:	24 mm
bearing material:	Steel
bore type:	Round
cage material:	Steel
closure type:	Open
fillet radius:	1.5 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm:	4500 rpm
snap ring included:	Without Snap Ring
weight:	5.6 lbs
operating temperature range:	-40 to 212 ° F ° F
manufacturer product page:	<a href="#">Click here</a>
dynamic load capacity:	78 kN
manufacturer upc number:	7316571090498
$d_1$	236 mm
$D_1$	254 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	227 mm
$D_a$ max.	263 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	78 kN
Basic static load rating $C_0$	110 kN
Fatigue load limit $P_u$	3 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	17.4
Mass bearing	2.54 kg