



## BEARING DRIVESHAFT, INC.



90 mm x 140 mm x 24 mm SKF 6018 deep groove ball bearings

Bearing No. 6018

6018 Bearing 2D drawings and 3D CAD models

Size	140x90x24 mm
Bore Diameter	140 mm
Outer Diameter	90 mm
Width	24 mm
d	90 mm
D	140 mm
B	24 mm
d <sub>1</sub>	105.95 mm
D <sub>2</sub>	128.3 mm
r <sub>1,2</sub> - min.	1.5 mm
d <sub>a</sub> - min.	97 mm
D <sub>a</sub> - max.	133 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	60.5 kN
Basic static load rating - C <sub>0</sub>	50 kN
Fatigue load limit - P <sub>u</sub>	2 kN
Reference speed	10000 r/min
Limiting speed	6300 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	15.6
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING DRIVESHAFT, INC.

Weight / Kilogram	1.187
EAN	7316577061942
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	90MM Bore; 140MM Outside Diameter; 24MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
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	6018
Weight / LBS	2.62
Outside Diameter	5.512 Inch   140 Millimeter
Bore	3.543 Inch   90 Millimeter
Outer Race Width	0.945 Inch   24 Millimeter
bore diameter:	90 mm
static load capacity:	50 kN
outside diameter:	140 mm



## BEARING DRIVESHAFT, INC.

precision rating:	ABEC 1 (ISO Class Normal)
overall width:	24 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	24 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	6300 RPM
internal clearance:	C0
series:	60
dynamic load capacity:	60.5 kN
$d_1$	105.95 mm
$D_2$	128.3 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	97 mm
$D_a$ max.	133 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	60.5 kN
Basic static load rating $C_0$	50 kN
Fatigue load limit $P_u$	1.96 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	15.6
Mass bearing	1.16 kg