



# BEARING DRIVESHAFT, INC.



6003 Bearing 2D drawings and 3D CAD models

## Swedish SKF Mini Miniature Deep Groove Ball Bearings 6003 6003/2RS 6003/2RS 2zr Z 2z

Bearing No. 6003

Size	35x17x10 mm
Bore Diameter	35 mm
Outer Diameter	17 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
d <sub>1</sub>	23 mm
D <sub>2</sub>	31.2 mm
r <sub>1,2</sub> - min.	0.3 mm
d <sub>a</sub> - min.	19 mm
D <sub>a</sub> - max.	33 mm
r <sub>a</sub> - max.	0.3 mm
Basic dynamic load rating - C	6.4 kN
Basic static load rating - C <sub>0</sub>	3.2 kN
Fatigue load limit - P <sub>u</sub>	0.137 kN
Reference speed	45000 r/min
Limiting speed	28000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING DRIVESHAFT, INC.

Weight / Kilogram	0.041
EAN	7316577740038
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	17MM Bore; 35MM Outside Diameter; 10MM 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	6003
Weight / LBS	0.09
Bore	0.669 Inch   17 Millimeter
Outer Race Width	0.394 Inch   10 Millimeter
Outside Diameter	1.378 Inch   35 Millimeter
d <sub>1</sub>	23 mm
D <sub>2</sub>	31.2 mm
r <sub>1,2</sub> min.	0.3 mm



## BEARING DRIVESHAFT, INC.

$d_a$ min.	19 mm
$D_a$ max.	33 mm
$r_a$ max.	0.3 mm
Basic dynamic load rating C	6.37 kN
Basic static load rating $C_0$	3.25 kN
Fatigue load limit $P_u$	0.137 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14
Mass bearing	0.038 kg