



# BFO Bearing Factory



1 mm x 3 mm x 1 mm 1 mm x 3 mm x 1 mm  
SKF W 618/1 deep groove ball bearings

Bearing No. W 618/1

W 618/1 Bearing 2D drawings and 3D CAD models

Size	3x1x1 mm
Bore Diameter	3 mm
Outer Diameter	1 mm
Width	1 mm
d	1 mm
D	3 mm
B	1 mm
d <sub>1</sub>	1.55 mm
D <sub>1</sub>	2.46 mm
r <sub>1,2</sub> - min.	0.05 mm
d <sub>a</sub> - min.	1.4 mm
d <sub>a</sub> - max.	1.5 mm
D <sub>a</sub> - max.	2.6 mm
r <sub>a</sub> - max.	0.05 mm
Basic dynamic load rating - C	0.052 kN
Basic static load rating - C <sub>0</sub>	0.012 kN
Fatigue load limit - P <sub>u</sub>	0.001 kN
Reference speed	240000 r/min
Limiting speed	150000 r/min
Calculation factor - k <sub>r</sub>	0.02
Calculation factor - f <sub>0</sub>	5.6
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



## BFO Bearing Factory

Minimum Buy Quantity	N/A
Weight / Kilogram	0
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	Stainless Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	1MM Bore; 3MM Outside Diameter; 1MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stainless Steel Ca
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>
Weight / LBS	0.0001
Bore	0.039 Inch   1 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	0.039 Inch   1 Millimeter
Outside Diameter	0.118 Inch   3 Millimeter
d <sub>1</sub>	1.55 mm
D <sub>1</sub>	2.46 mm



## BFO Bearing Factory

$r_{1,2}$ min.	0.05 mm
$d_a$ min.	1.4 mm
$D_a$ max.	2.6 mm
$r_a$ max.	0.05 mm
Basic dynamic load rating C	0.052 kN
Basic static load rating $C_0$	0.012 kN
Fatigue load limit $P_u$	0.001 kN
Calculation factor $k_r$	0.02
Calculation factor $f_0$	5.6
Mass bearing	0.00003 kg