



# BEARING BOWER CORP.



6305 Bearing 2D drawings and 3D CAD models

## 25 mm x 62 mm x 17 mm 692X Miniature Ball Bearing

Bearing No. 6305

Size	62x25x17 mm
Bore Diameter	62 mm
Outer Diameter	25 mm
Width	17 mm
d	25 mm
D	62 mm
B	17 mm
d <sub>1</sub>	36.6 mm
D <sub>2</sub>	52.7 mm
r <sub>1,2</sub> - min.	1.1 mm
d <sub>a</sub> - min.	32 mm
D <sub>a</sub> - max.	55 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	23.4 kN
Basic static load rating - C <sub>0</sub>	11.6 kN
Fatigue load limit - P <sub>u</sub>	0.49 kN
Reference speed	24000 r/min
Limiting speed	16000 r/min
Calculation factor - k <sub>r</sub>	0.03
Calculation factor - f <sub>0</sub>	12
Category	Single Row Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING BOWER CORP.

Weight / Kilogram	0.227
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	25MM Bore; 62MM Outside Diameter; 17MM 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	6305
Weight / LBS	0.5
Bore	0.984 Inch   25 Millimeter
Outside Diameter	2.441 Inch   62 Millimeter
Outer Race Width	0.669 Inch   17 Millimeter
d <sub>1</sub>	36.6 mm
D <sub>2</sub>	52.7 mm
d <sub>a</sub> min.	32 mm
D <sub>a</sub> max.	55 mm



## BEARING BOWER CORP.

$r_a$ max.	1 mm
Basic dynamic load rating C	23.4 kN
Basic static load rating $C_0$	11.6 kN
Fatigue load limit $P_u$	0.49 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	12
Mass bearing	0.23 kg