



## TBD Bearing Machinery Co., Ltd



628/5-2Z Bearing 2D drawings and 3D CAD models

5 mm x 11 mm x 4 mm 5 mm x 11 mm x 4 mm  
SKF 628/5-2Z deep groove ball bearings

Bearing No. 628/5-2Z

Size	11x5x4 mm
Bore Diameter	11 mm
Outer Diameter	5 mm
Width	4 mm
d	5 mm
D	11 mm
B	4 mm
d <sub>1</sub>	6.81 mm
D <sub>2</sub>	9.9 mm
r <sub>1,2</sub> - min.	0.15 mm
d <sub>a</sub> - min.	5.8 mm
d <sub>a</sub> - max.	6.7 mm
D <sub>a</sub> - max.	10.2 mm
r <sub>a</sub> - max.	0.1 mm
Basic dynamic load rating - C	0.64 kN
Basic static load rating - C <sub>0</sub>	0.26 kN
Fatigue load limit - P <sub>u</sub>	0.011 kN
Reference speed	120000 r/min
Limiting speed	60000 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	11
Size	11x5x4 mm
Bore Diameter	11 mm
Outer Diameter	5 mm



## TBD Bearing Machinery Co., Ltd

Width	4 mm
d	5 mm
D	11 mm
B	4 mm
d <sub>1</sub>	6.81 mm
D <sub>2</sub>	9.9 mm
r <sub>1,2</sub> - min.	0.15 mm
d <sub>a</sub> - min.	5.8 mm
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Basic dynamic load rating - C	0.64 kN
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Fatigue load limit - P <sub>u</sub>	0.011 kN
Reference speed	120000 r/min
Limiting speed	60000 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	11
Category	Single Row Ball Bearings
Inventory	700.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.002
Product Group	B00308
Enclosure	2 Metal Shields
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No



## TBD Bearing Machinery Co., Ltd

Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	5MM Bore; 11MM Outside Diameter; 4MM Outer Race Width; 2 Metal Shields; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel
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	628/5-2Z
Weight / LBS	0.009
Bore	0.197 Inch   5 Millimeter
Outer Race Width	0.157 Inch   4 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Outside Diameter	0.433 Inch   11 Millimeter
$d_1$	6.81 mm
$D_2$	9.9 mm
$r_{1,2}$ min.	0.15 mm
$d_a$ min.	5.8 mm
$d_a$ max.	6.7 mm
$D_a$ max.	10.2 mm
$r_a$ max.	0.1 mm
Basic dynamic load rating C	0.468 kN
Basic static load rating $C_0$	0.143 kN
Fatigue load limit $P_u$	0.006 kN



## TBD Bearing Machinery Co., Ltd

Calculation factor $k_r$	0.015
Calculation factor $f_0$	7.1
Mass bearing	0.0031 kg