



# BROWNING BEARING COMPANY



140 mm x 175 mm x 18 mm skf 61828 bearing

Bearing No. 61828

61828 Bearing 2D drawings and 3D CAD models

Size	175x140x18 mm
Bore Diameter	175 mm
Outer Diameter	140 mm
Width	18 mm
d	140 mm
D	175 mm
B	18 mm
d <sub>1</sub>	150.7 mm
D <sub>2</sub>	166.7 mm
r <sub>1,2</sub> - min.	2.5 mm
d <sub>a</sub> - min.	146 mm
D <sub>a</sub> - max.	169 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	39 kN
Basic static load rating - C <sub>0</sub>	46.5 kN
Fatigue load limit - P <sub>u</sub>	1.7 kN
Reference speed	7500 r/min
Limiting speed	4500 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	16
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.89



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EAN	7316576641893
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	140MM Bore; 175MM Outside Diameter; 18MM 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	61828
Weight / LBS	1.97
Outside Diameter	6.89 Inch   175 Millimeter
Outer Race Width	0.709 Inch   18 Millimeter
Bore	5.512 Inch   140 Millimeter
bore diameter:	140 mm
static load capacity:	46.5 kN
outside diameter:	175 mm
precision rating:	Not Rated



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overall width:	18 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	18 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1 mm
snap ring included:	Without Snap Ring
maximum rpm:	4500 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	39 kN
$d_1$	150.7 mm
$D_2$	166.7 mm
$r_{1,2}$ min.	2.5 mm
$d_a$ min.	146 mm
$D_a$ max.	169 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	39 kN
Basic static load rating $C_0$	46.5 kN
Fatigue load limit $P_u$	1.66 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	16
Mass bearing	0.82 kg