



BEARING PRECISION AXLE CORP.



SKF Bearing deep groove ball bearing 61811
high precision ultra quiet high speed long life

Bearing No. 61811

61811 Bearing 2D drawings and 3D CAD models

Size	72x55x9 mm
Bore Diameter	72 mm
Outer Diameter	55 mm
Width	9 mm
d	55 mm
D	72 mm
B	9 mm
d ₁	60.6 mm
D ₁	66.4 mm
r _{1,2} - min.	0.3 mm
d _a - min.	57 mm
D _a - max.	70 mm
r _a - max.	0.3 mm
Basic dynamic load rating - C	9 kN
Basic static load rating - C ₀	8.8 kN
Fatigue load limit - P _u	0.375 kN
Reference speed	19000 r/min
Limiting speed	12000 r/min
Calculation factor - k _r	0.015
Calculation factor - f ₀	17
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



BEARING PRECISION AXLE CORP.

Weight / Kilogram	0.093
EAN	7316576639739
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	55MM Bore; 72MM Outside Diameter; 9MM 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	http://www.skf.com
Manufacturer Item Number	61811
Weight / LBS	0.2
Outside Diameter	2.835 Inch 72 Millimeter
Outer Race Width	0.354 Inch 9 Millimeter
Bore	2.165 Inch 55 Millimeter
bore diameter:	55 mm
static load capacity:	8.8 kN
outside diameter:	72 mm



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precision rating:	Not Rated
overall width:	9 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	9 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	12000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	9.04 kN
d_1	60.3 mm
D_1	67 mm
$r_{1,2}$ min.	0.3 mm
d_a min.	57 mm
D_a max.	70 mm
r_a max.	0.3 mm
Basic dynamic load rating C	9.04 kN
Basic static load rating C_0	8.8 kN
Fatigue load limit P_u	0.375 kN
Calculation factor k_r	0.015
Calculation factor f_0	17
Mass bearing	0.083 kg