



# PCIF BEARING LIMITED



## 45 mm x 68 mm x 12 mm skf 61909 bearing

Bearing No. 61909

Size	68x45x12 mm
Bore Diameter	68 mm
Outer Diameter	45 mm
Width	12 mm
d	45 mm
D	68 mm
B	12 mm
d <sub>1</sub>	52.4 mm
D <sub>1</sub>	60.6 mm
r <sub>1,2</sub> - min.	0.6 mm
d <sub>a</sub> - min.	48.2 mm
D <sub>a</sub> - max.	64.8 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	14 kN
Basic static load rating - C <sub>0</sub>	10.8 kN
Fatigue load limit - P <sub>u</sub>	0.465 kN
Reference speed	20000 r/min
Limiting speed	13000 r/min
Calculation factor - k <sub>r</sub>	0.02
Calculation factor - f <sub>0</sub>	15.9
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.15

61909 Bearing 2D drawings and 3D CAD models



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EAN	7316577121981
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	45MM Bore; 68MM Outside Diameter; 12MM 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	61909
Weight / LBS	0.32
Bore	1.772 Inch   45 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
Outside Diameter	2.677 Inch   68 Millimeter
bore diameter:	45 mm
static load capacity:	10.8 kN
outside diameter:	68 mm
precision rating:	Not Rated



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overall width:	12 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	13000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	14 kN
$d_1$	52.4 mm
$D_1$	61.2 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	48.2 mm
$D_a$ max.	64.8 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	14 kN
Basic static load rating $C_0$	10.8 kN
Fatigue load limit $P_u$	0.465 kN
Calculation factor $k_r$	0.02
Calculation factor $f_0$	15.9
Mass bearing	0.14 kg