



Bearing No. 61809

D	58 mm
d	45 mm
B	7 mm
Bore	1.772 Inch 45 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	61
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	58x45x7
Snap Ring	No
Width (mm)	7
bore type:	Round
Weight / LBS	0.1
Mass bearing	0.04 kg
maximum rpm:	14000 RPM
closure type:	Open
D ₁	53.9 mm
d ₁	49.1 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	45 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	0.3 mm
overall width:	7 mm
Bearing number	61809

Limiting speed	14000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	22000 r/min
Outer Race Width	0.276 Inch 7 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	2.283 Inch 58 Millimeter
Long Description	45MM Bore; 58MM Outside Diameter; 7MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	0.047
outer ring width:	7 mm
precision rating:	Not Rated
outside diameter:	58 mm
Internal Clearance	C0-Medium
D _a max.	56 mm
Bore Diameter (mm)	58
d _a min.	47 mm
r _a max.	0.3 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	45
Minimum Buy Quantity	N/A
r _a - max.	0.3 mm
D _a - max.	56 mm
d _a - min.	47 mm
r _{1,2} min.	0.3 mm

static load capacity:	6.1 kN
d_1 ?	48.2 mm
D_1 ?	53.92 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	6.63 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	0.3 mm
Manufacturer Item Number	61809 J
Internal Special Features	No
Basic dynamic load rating C	6.63 kN
Basic dynamic load rating - C	6.6 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	0.26 kN
Calculation factor k_r	0.015
Calculation factor f_0	17
Fatigue load limit - P_u	0.26 kN
Calculation factor - k_r	0.015
Calculation factor - f_0	17
Basic static load rating C_0	6.1 kN
Basic static load rating - C_0	6.1 kN