



Bearing No. 6809

D	58 mm
d	45 mm
B	7 mm
C	7 mm
f0	16.1
Mass	0.04 kg
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Weight	0,04 Kg
UNSPSC	31171504
rs min	0.3 mm
da max	48 mm
da min	47 mm
Da max	56 mm
ra max	0.3 mm
r min.	0,3 mm
Da max.	56 mm
ra max.	0,3 mm
da min.	47 mm
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	45x58x7
Enclosure	Open
Width (mm)	7
bore type:	Round
Nlim (oil)	12,000 rpm
Weight / LBS	0.088
closure type:	Open

Inch - Metric	Metric
Cage Material	Steel
Nlim (grease)	11,000 rpm
Product Group	B00308
bore diameter:	45 mm
cage material:	Steel
overall width:	7 mm
Keyword String	Ball
fillet radius:	0.3 mm
Bearing number	6809
Dynamic load, C	5.35 kN
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Static load, C0	4.95 kN
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
Outer Race Width	0.276 Inch 7 Millimeter
Outside Diameter	2.283 Inch 58 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Name	NTN
bearing material:	High Carbon Chrome Steel
inner ring width:	7 mm
outside diameter:	58 mm
precision rating:	Class 0
outer ring width:	7 mm

Weight / Kilogram	0.04
Internal Clearance	C0-Medium
maximum rpm (oil):	12000 rpm
Bore Diameter (mm)	45
Outer Diameter (mm)	58
snap ring included:	Without Snap Ring
internal clearance:	CN
Minimum Buy Quantity	N/A
maximum rpm (grease):	11000 rpm
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	4950 N
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	5350 N
Fatigue limit load, Cu	0.23 kN
(Oil) Lubrication Speed	12 000 r/min
Manufacturer Item Number	6809
Internal Special Features	No
(Grease) Lubrication Speed	11 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic dynamic load rating (C)	5,35 kN
Basic static load rating (C0)	4,95 kN
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity /	No

Filling Slot	
Characteristic cage frequency, FTF	0.47 Hz
Characteristic outer ring frequency, BPF0	11.65 Hz
Characteristic inner ring frequency, BPF1	13.35 Hz
Characteristic rolling element frequency, BSF	14.65 Hz