



### Bearing No. 6801

D	21 mm
d	12 mm
B	5 mm
C	5 mm
f0	15.3
Bore	0.472 Inch   12 Millimeter
Noun	Bearing
Mass	0.006 kg
Da max	19 mm
UNSPSC	31171504
r min.	0,3 mm
rs min	0.3 mm
da max	14,5 mm
da min	14 mm
Weight	0,006 Kg
ra max	0.3 mm
Da max.	19 mm
ra max.	0,3 mm
da min.	14 mm
series:	68
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	12x21x5
Nlim (oil)	35,000 rpm
bore type:	Round
Width (mm)	5
Weight / LBS	0.013

maximum rpm:	35000 RPM
Nlim (grease)	29,000 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	12 mm
cage material:	Steel
fillet radius:	0.3 mm
overall width:	5 mm
Bearing number	6801
Dynamic load, C	1.92 kN
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	1.04 kN
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outer Race Width	0.197 Inch   5 Millimeter
Outside Diameter	0.827 Inch   21 Millimeter
Long Description	12MM Bore; 21MM Outside Diameter; 5MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
outer ring width:	5 mm
inner ring width:	5 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	21 mm

Weight / Kilogram	0.006
precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	35000 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	12
Outer Diameter (mm)	21
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	29000 rpm
static load capacity:	1040 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	1920 N
Fatigue limit load, Cu	0.05 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	35 000 r/min
Manufacturer Item Number	6801
Internal Special Features	No
(Grease) Lubrication Speed	29 000 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	1,04 kN
Basic dynamic load rating (C)	1,92 kN
Max operating temperature, Tmax	120 °C
Min operating	-20 °C

temperature, T <sub>min</sub>	
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.43 Hz
Characteristic inner ring frequency, BPF <sub>I</sub>	6.87 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	5.13 Hz
Characteristic rolling element frequency, BSF	6.79 Hz