



Bearing No. 16004

D	42 mm
d	20 mm
B	8 mm
C	8 mm
f0	14.5
Mass	0.05 kg
Noun	Bearing
Bore	0.787 Inch 20 Millimeter
Weight	0,051 Kg
UNSPSC	31171504
rs min	0.3 mm
da min	22 mm
Da max	40 mm
ra max	0.3 mm
r min.	0,3 mm
Da max.	40 mm
ra max.	0,3 mm
da min.	22 mm
Category	Single Row Ball Bearing
Inventory	10.0
Snap Ring	No
Size (mm)	20x42x8
Enclosure	Open
Width (mm)	8
bore type:	Round
Nlim (oil)	21,000 rpm
Weight / LBS	0.113
closure type:	Open
Inch - Metric	Metric

Cage Material	Steel
Nlim (grease)	18,000 rpm
Product Group	B00308
bore diameter:	20 mm
cage material:	Steel
overall width:	8 mm
Keyword String	Ball
fillet radius:	0.3 mm
Bearing number	16004
Static load, C0	4.5 kN
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Dynamic load, C	7.9 kN
Outside Diameter	1.654 Inch 42 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Long Description	20MM Bore; 42MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
outer ring width:	8 mm
inner ring width:	8 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	42 mm
precision rating:	Class 0
Manufacturer Name	NTN
Weight / Kilogram	0.051

Bore Diameter (mm)	20
maximum rpm (oil):	21000 rpm
Internal Clearance	C0-Medium
internal clearance:	CN
snap ring included:	Without Snap Ring
Outer Diameter (mm)	42
Minimum Buy Quantity	N/A
static load capacity:	4500 N
maximum rpm (grease):	18000 rpm
row type & fill slot:	Single Row Non-Fill Slot
Fatigue limit load, Cu	0.2 kN
dynamic load capacity:	7900 N
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
(Oil) Lubrication Speed	21 000 r/min
Manufacturer Item Number	16004
Internal Special Features	No
(Grease) Lubrication Speed	18 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic dynamic load rating (C)	7,9 kN
Basic static load rating (C0)	4,5 kN
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C

Characteristic cage frequency, FTF	0.41 Hz
Characteristic outer ring frequency, BPF0	4.12 Hz
Characteristic inner ring frequency, BPF1	5.88 Hz
Characteristic rolling element frequency, BSF	5.51 Hz