



Bearing No. 16003

D	35 mm
d	17 mm
B	8 mm
C	8 mm
f0	13.6
Bore	0.669 Inch 17 Millimeter
Noun	Bearing
Mass	0.03 kg
Da max	33 mm
UNSPSC	31171504
r min.	0,3 mm
rs min	0.3 mm
da min	19 mm
Weight	0,032 Kg
ra max	0.3 mm
Da max.	33 mm
ra max.	0,3 mm
da min.	19 mm
series:	600
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	1.0
Enclosure	Open
Size (mm)	17x35x8
Nlim (oil)	24,000 rpm
bore type:	Round
Width (mm)	8
Weight / LBS	0.07
maximum rpm:	24000 RPM

Nlim (grease)	20,000 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	17 mm
cage material:	Steel
fillet radius:	0.3 mm
overall width:	8 mm
Bearing number	16003
Dynamic load, C	6.8 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	3.35 kN
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	1.378 Inch 35 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
Long Description	17MM Bore; 35MM 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:	35 mm
Weight / Kilogram	0.032

precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	24000 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	17
Outer Diameter (mm)	35
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	20000 rpm
static load capacity:	3350 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	6800 N
Fatigue limit load, Cu	0.15 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	24 000 r/min
Manufacturer Item Number	16003
Internal Special Features	No
(Grease) Lubrication Speed	20 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	3,35 kN
Basic dynamic load rating (C)	6,8 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C

Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.39 Hz
Characteristic inner ring frequency, BPF1	4.86 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz
Characteristic rolling element frequency, BSF	4.47 Hz