

# 16003 NTN 17x35x8mm dynamic load capacity: 6800 N Deep groove ball bearings

rs min	0.3 mm
Radial clearance class	CN
Mass	0.03 kg
Dynamic load, C	6.8 kN
Static load, C0	3.35 kN
Fatigue limit load, Cu	0.15 kN
f0	13.6
Nlim (oil)	24.000 rpm
Nlim (grease)	20.000 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.47 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz
Characteristic inner ring frequency, BRFI	4.86 Hz
da min	19 mm
Da max	33 mm
ra max	0.3 mm
Category	Single Row Ball Bearings

BDI Inventory	1.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.032
EAN	4547359010091
Product Group – BDI	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
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
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	16003
Weight / LBS	0.07
Bore	0.669 Inch   17 Millimeter

Outer Race Width	0.315 Inch   8 Millimeter
Outside Diameter	1.378 Inch   35 Millimeter
Bearing number	16003
Size (mm)	17x35x8
Brand	NTN
Bore Diameter (mm)	17
Outer Diameter (mm)	35
Width (mm)	8
d	17 mm
D	35 mm
B	8 mm
C	8 mm
r min.	0.3 mm
da min.	19 mm
Da max.	33 mm
ra max.	0.3 mm
Weight	0.032 Kg
Basic dynamic load rating (C)	6.8 kN
Basic static load rating (C0)	3.35 kN
(Grease) Lubrication Speed	20 000 r/min
(Oil) Lubrication Speed	24 000 r/min
bore diameter:	17 mm
finish/coating:	Uncoated
outside diameter:	35 mm
bearing material:	High Carbon Chrome Steel
overall width:	8 mm
cage material:	Steel

bore type:	Round
inner ring width:	8 mm
closure type:	Open
outer ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	20000 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	24000 rpm
internal clearance:	CN
fillet radius:	0.3 mm
operating temperature range:	-40 to 120 °C
maximum rpm:	24000 RPM
dynamic load capacity:	6800 N
series:	600
static load capacity:	3350 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0