

# 16014 NTN static load capacity: 22600 N 70x110x13mm Deep groove ball bearings

rs min	0.6 mm
Radial clearance class	CN
Mass	0.44 kg
Dynamic load, C	24.4 kN
Static load, C0	22.6 kN
Fatigue limit load, Cu	1.03 kN
f0	16.5
Nlim (oil)	7.100 rpm
Nlim (grease)	6.100 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.21 Hz
Characteristic outer ring frequency, BPF0	8.13 Hz
Characteristic inner ring frequency, BRFI	9.87 Hz
da min	74 mm
Da max	106 mm
ra max	0.6 mm
Bearing number	16014

Size (mm)	70x110x13
Brand	NTN
Bore Diameter (mm)	70
Outer Diameter (mm)	110
Width (mm)	13
d	70 mm
D	110 mm
B	13 mm
C	13 mm
r min.	0.6 mm
da min.	74 mm
Da max.	106 mm
ra max.	0.6 mm
Weight	0.441 Kg
Basic dynamic load rating (C)	24.4 kN
Basic static load rating (C0)	22.6 kN
(Grease) Lubrication Speed	6 100 r/min
(Oil) Lubrication Speed	7 100 r/min
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.432
EAN	4547359515756
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	70MM Bore; 110MM Outside Diameter; 13MM 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	16014
Weight / LBS	0.955
Outside Diameter	4.331 Inch   110 Millimeter
Outer Race Width	0.512 Inch   13 Millimeter
Bore	2.756 Inch   70 Millimeter
bore diameter:	70 mm
finish/coating:	Uncoated
outside diameter:	110 mm
bearing material:	High Carbon Chrome Steel
overall width:	13 mm

cage material:	Steel
bore type:	Round
inner ring width:	13 mm
closure type:	Open
outer ring width:	13 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	6100 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	7100 rpm
internal clearance:	CN
fillet radius:	0.6 mm
operating temperature range:	-40 to 120 °C
maximum rpm:	7100 RPM
dynamic load capacity:	24400 N
series:	600
static load capacity:	22600 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0