

# 16024 NTN Internal Special Features No 120x180x19mm Deep groove ball bearings

rs min	1 mm
Radial clearance class	CN
Mass	1.56 kg
Dynamic load, C	63 kN
Static load, C0	63.5 kN
Fatigue limit load, Cu	2.36 kN
f0	16.4
Nlim (oil)	4.100 rpm
Nlim (grease)	3.500 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	9.85 Hz
Characteristic outer ring frequency, BPF0	7.64 Hz
Characteristic inner ring frequency, BRFI	9.36 Hz
da min	125 mm
Da max	175 mm
ra max	1 mm
Bearing number	16024

Size (mm)	120x180x19
Brand	NTN
Bore Diameter (mm)	120
Outer Diameter (mm)	180
Width (mm)	19
d	120 mm
D	180 mm
B	19 mm
C	19 mm
r min.	1 mm
da min.	125 mm
Da max.	175 mm
ra max.	1 mm
Weight	1.56 Kg
Basic dynamic load rating (C)	63 kN
Basic static load rating (C0)	63.5 kN
(Grease) Lubrication Speed	3 500 r/min
(Oil) Lubrication Speed	4 100 r/min
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.59
EAN	4547359258585
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	120MM Bore; 180MM Outside Diameter; 19MM 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	16024
Weight / LBS	3.492
Outer Race Width	0.748 Inch   19 Millimeter
Bore	4.724 Inch   120 Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
bore diameter:	120 mm
precision rating:	Class 0
outside diameter:	180 mm
finish/coating:	Uncoated
overall width:	19 mm

bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	19 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	19 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	3500 rpm
internal clearance:	CN
maximum rpm (oil):	4100 rpm
operating temperature range:	-40 to 120 °C
fillet radius:	1 mm
dynamic load capacity:	63000 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	63500 N