

# 16018 NTN 90x140x16mm Enclosure Open Deep groove ball bearings

rs min	1 mm
Radial clearance class	CN
Mass	0.85 kg
Dynamic load, C	33.5 kN
Static load, C <sub>0</sub>	33.5 kN
Fatigue limit load, C <sub>u</sub>	1.42 kN
f <sub>0</sub>	16.5
N <sub>lim</sub> (oil)	5.600 rpm
N <sub>lim</sub> (grease)	4.700 rpm
Min operating temperature, T <sub>min</sub>	-20 °C
Max operating temperature, T <sub>max</sub>	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.06 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	8.65 Hz
Characteristic inner ring frequency, BPF <sub>I</sub>	10.35 Hz
da min	95 mm
Da max	135 mm
ra max	1 mm
Bearing number	16018

Size (mm)	90x140x16
Brand	NTN
Bore Diameter (mm)	90
Outer Diameter (mm)	140
Width (mm)	16
d	90 mm
D	140 mm
B	16 mm
C	16 mm
r min.	1 mm
da min.	95 mm
Da max.	135 mm
ra max.	1 mm
Weight	0.848 Kg
Basic dynamic load rating (C)	33.5 kN
Basic static load rating (C0)	33.5 kN
(Grease) Lubrication Speed	4 700 r/min
(Oil) Lubrication Speed	5 600 r/min
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.88
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	90MM Bore; 140MM Outside Diameter; 16MM 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	16018
Weight / LBS	1.938
Outer Race Width	0.63 Inch   16 Millimeter
Bore	3.543 Inch   90 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
bore diameter:	90 mm
finish/coating:	Uncoated
outside diameter:	140 mm
bearing material:	High Carbon Chrome Steel
overall width:	16 mm
cage material:	Steel
bore type:	Round

inner ring width:	16 mm
closure type:	Open
outer ring width:	16 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	4700 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	5600 rpm
internal clearance:	CN
fillet radius:	1 mm
operating temperature range:	-40 to 120 °C
maximum rpm:	5600 RPM
dynamic load capacity:	33500 N
series:	600
static load capacity:	33500 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0