



### Bearing No. 16018

D	140 mm
d	90 mm
B	16 mm
C	16 mm
f0	16.5
Bore	3.543 Inch   90 Millimeter
Noun	Bearing
Mass	0.85 kg
Da max	135 mm
UNSPSC	31171504
r min.	1 mm
rs min	1 mm
da min	95 mm
Weight	0,848 Kg
ra max	1 mm
Da max.	135 mm
ra max.	1 mm
da min.	95 mm
series:	600
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	90x140x16
Nlim (oil)	5,600 rpm
bore type:	Round
Width (mm)	16
Weight / LBS	1.938
maximum rpm:	5600 RPM

Nlim (grease)	4,700 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	90 mm
cage material:	Steel
fillet radius:	1 mm
overall width:	16 mm
Bearing number	16018
Dynamic load, C	33.5 kN
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	33.5 kN
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outside Diameter	5.512 Inch   140 Millimeter
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
Outer Race Width	0.63 Inch   16 Millimeter
outer ring width:	16 mm
inner ring width:	16 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	140 mm
Weight / Kilogram	0.88

precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	5600 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	90
Outer Diameter (mm)	140
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	4700 rpm
static load capacity:	33500 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	33500 N
Fatigue limit load, Cu	1.42 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	5 600 r/min
Manufacturer Item Number	16018
Internal Special Features	No
(Grease) Lubrication Speed	4 700 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	33,5 kN
Basic dynamic load rating (C)	33,5 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C

Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.46 Hz
Characteristic inner ring frequency, BPF1	10.35 Hz
Characteristic outer ring frequency, BPF0	8.65 Hz
Characteristic rolling element frequency, BSF	11.06 Hz