



**Bearing No. 6314**

D	150 mm
d	70 mm
B	35 mm
C	35 mm
f0	13.2
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
Mass	2.52 kg
Da max	139 mm
UNSPSC	31171504
r min.	2,1 mm
rs min	2.1 mm
da max	92,5 mm
da min	81 mm
Weight	2,52 Kg
ra max	2 mm
Da max.	139 mm
ra max.	2 mm
da min.	81 mm
series:	63
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	70x150x35
Nlim (oil)	5,400 rpm
bore type:	Round
Width (mm)	35
Weight / LBS	5.627

maximum rpm:	5400 RPM
Nlim (grease)	4,600 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	70 mm
cage material:	Steel
fillet radius:	2.1 mm
overall width:	35 mm
Bearing number	6314
Dynamic load, C	104 kN
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	68 kN
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outer Race Width	1.378 Inch   35 Millimeter
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	5.906 Inch   150 Millimeter
outer ring width:	35 mm
inner ring width:	35 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	150 mm

Weight / Kilogram	2.56
precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	5400 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	70
Outer Diameter (mm)	150
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	4600 rpm
static load capacity:	68000 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	104000 N
Fatigue limit load, Cu	2.95 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	5 400 r/min
Manufacturer Item Number	6314
Internal Special Features	No
(Grease) Lubrication Speed	4 600 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	68 kN
Basic dynamic load rating (C)	104 kN
Max operating temperature, Tmax	120 °C

Min operating temperature, T <sub>min</sub>	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.38 Hz
Characteristic inner ring frequency, BPF <sub>I</sub>	4.92 Hz
Characteristic outer ring frequency, BPF <sub>O</sub>	3.08 Hz
Characteristic rolling element frequency, BSF	4.1 Hz