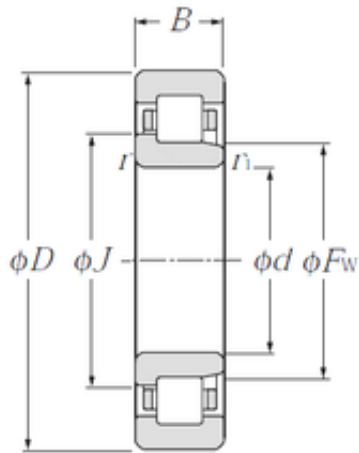




## Bearing equipment manufacturing Co., Ltd



### 70 mm x 150 mm x 35 mm NTN NJ314 cylindrical roller bearings

Bearing No. NJ314

Size	70x150x35 mm
Bore Diameter	70 mm
Outer Diameter	150 mm
Width	35 mm
d	70 mm
Fw	90 mm
D	150 mm
B	35 mm
C	35 mm
r min.	2,1 mm
r1 min.	2,1 mm
J	98 mm
Weight	2,71 Kg
Basic dynamic load rating (C)	158 kN
Basic static load rating (C0)	168 kN
(Grease) Lubrication Speed	4 700 r/min
E	130 mm
F	90 mm
d1	98 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	2.84 kg
Dynamic load, C	158 kN
Static load, C0	168 kN

NJ314 Bearing 2D drawings and 3D CAD models



## Bearing equipment manufacturing Co., Ltd

Fatigue limit load, Cu	19.9 kN
Nlim (oil)	5,500 rpm
Nlim (grease)	4,700 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.32 Hz
Characteristic outer ring frequency, BPF0	5.32 Hz
Characteristic inner ring frequency, BPG1	7.68 Hz
da min	81 mm
da max	87 mm
dc min	100 mm
Da max	139 mm
ra max	2 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	2.79
EAN	4547359123449
Product Group	B04144
Bore Profile	Straight
Cage Material	Steel
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - One Side
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and



## Bearing equipment manufacturing Co., Ltd

	Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	1 Rib Inner Ring   2 Rib Outer Ring   Cage On Outer Ring ID
Long Description	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Steel Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Intern
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	NJ314
Weight / LBS	6.139
Outside Diameter	5.906 Inch   150 Millimeter
Bore	2.756 Inch   70 Millimeter
Width	1.378 Inch   35 Millimeter
bore diameter:	70 mm
precision rating:	ISO Class 0
outside diameter:	150 mm
maximum rpm:	5500 rpm
overall width:	35 mm
bearing material:	Hardened Alloy Steel
flanges:	(2) Outer Ring, (1) Inner



## Bearing equipment manufacturing Co., Ltd

	Ring
cage material:	Pressed Steel
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	CN
outer ring width:	35 mm
ring separation:	Non-Separable
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C
series:	NJ
dynamic load capacity:	158000 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	168000 N