

70 mm x 150 mm x 35 mm Max operating temperature, Tmax NTN NU314G1C3 Single row Cylindrical roller bearing

Bearing No. NU314G1C3

NU314G1C3 Bearing 2D drawings and 3D CAD models

d	70 mm
D	150 mm
B	35 mm
E	130 mm
F	90 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	2.97 kg
Dynamic load, C	158 kN
Static load, C0	168 kN
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, BPF1	7.68 Hz



da min	81 mm
da max	87 mm
db min	92 mm
Da max	139 mm
ra max	2 mm
r1a max	2 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	2.896
EAN	4547359146790
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C3-Loose
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides



	Separable; No Snap Ring; Relubricatable; C3-Loose Inter
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	NU314G1C3
Weight / LBS	6.394
Width	1.378 Inch 35 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
Bore	2.756 Inch 70 Millimeter
bore diameter:	70 mm
static load capacity:	168000 N
outside diameter:	150 mm
precision rating:	ISO Class 0
overall width:	35 mm
maximum rpm:	5500 rpm
flanges:	(2) Outer Ring
bearing material:	Hardened Alloy Steel
bore type:	Straight
cage material:	High Strength Machined Brass Rivetless w/ square holes
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C3
closure type:	Open
ring separation:	Separable Inner Ring
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C



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manufacturer product page:	Click here
dynamic load capacity:	158000 N