



NTN-SNR BEARING RULMENTI S.R.L.

70 mm x 150 mm x 35 mm NTN N314G1 Single row cylindrical roller bearings

Bearing No. N314G1

d	70 mm
D	150 mm
B	35 mm
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)	2.86 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

N314G1 Bearing 2D drawings and 3D CAD models



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da min	81 mm
Da max	139 mm
Db min	133 mm
Dc max	128 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	2.86
EAN	4547359151749
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	2 Rib Inner Ring Plain Outer Ring Cage on Inner Ring OD
Long Description	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides



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	Separable; No Snap Ring; Relubricatable; C0-Medium Inte
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	N314G1
Weight / LBS	6.292
Outside Diameter	5.906 Inch 150 Millimeter
Width	1.378 Inch 35 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) Inner 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:	CN
closure type:	Open
ring separation:	Separable Outer 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