



NTN Bearing Rolamentos do Brasil Ltda.

70 mm x 150 mm x 35 mm NTN
NUP314EG1NRC3 Single row cylindrical roller
bearings

Bearing No. NUP314EG1NRC3

d	70 mm
D	150 mm
B	35 mm
E	133 mm
F	89 mm
d1	98 mm
a min	4.65 mm
a max	4.9 mm
Ca min	7.47 mm
Ca max	7.72 mm
rNs min	0.5 mm
D3 max	145.24 mm
b min	3.1 mm
b max	3.4 mm
r0 max	0.6 mm
D4 max	159.7 mm
f	2.82 mm
Snap ring reference	R150
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	3.06 kg
Dynamic load, C	205 kN
Static load, C0	222 kN
Fatigue limit load, Cu	26.3 kN

NUP314EG1NRC3 Bearing 2D drawings and 3D CAD
models



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Nlim (oil)	5,000 rpm
Nlim (grease)	4,200 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.85 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz
da min	81 mm
dc min	100 mm
Da max	139 mm
DbN min	161.8 mm
ra max	2 mm
rNa max	0.5 mm
Category	Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	3.063
Product Group	B04144