



NTN Bearing Rolamentos do Brasil Ltda.

50 mm x 110 mm x 27 mm NTN
NUP310ET2NRC3U Single row cylindrical roller
bearings

Bearing No. NUP310ET2NRC3U

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.4 mm
a min	3.07 mm
a max	3.28 mm
Ca min	5.43 mm
Ca max	5.74 mm
rNs min	0.5 mm
D3 max	106.81 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	116.6 mm
f	2.46 mm
Snap ring reference	R110
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.2 kg
Dynamic load, C	110 kN
Static load, C0	113 kN
Fatigue limit load, Cu	13.8 kN

NUP310ET2NRC3U Bearing 2D drawings and 3D CAD
models



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Nlim (oil)	6,900 rpm
Nlim (grease)	5,900 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.86 Hz
Characteristic outer ring frequency, BPF0	5.22 Hz
Characteristic inner ring frequency, BRF1	7.78 Hz
da min	59 mm
dc min	73 mm
Da max	101 mm
DbN min	118 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	1.203
Product Group	B04144