



## NTN Bearing Rolamentos do Brasil Ltda.

50 mm x 110 mm x 27 mm NTN  
NUP310ET2XC3U Single row cylindrical roller  
bearings

Bearing No. NUP310ET2XC3U

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.4 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.18 kg
Dynamic load, C	110 kN
Static load, C0	113 kN
Fatigue limit load, Cu	13.8 kN
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	7.78 Hz

NUP310ET2XC3U Bearing 2D drawings and 3D CAD  
models



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frequency, BPFI	
da min	59 mm
dc min	73 mm
Da max	101 mm
ra max	2 mm
Category	Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.185
Product Group	B04144