



NTN Bearing Rolamentos do Brasil Ltda.

50 mm x 110 mm x 27 mm NTN
NUP310NRC3 Single row cylindrical roller
bearings

Bearing No. NUP310NRC3

d	50 mm
D	110 mm
B	27 mm
E	95 mm
F	65 mm
d1	71 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)	1.22 kg
Dynamic load, C	87 kN
Static load, C0	86 kN
Fatigue limit load, Cu	10.5 kN

NUP310NRC3 Bearing 2D drawings and 3D CAD
models



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Nlim (oil)	7,700 rpm
Nlim (grease)	6,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
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	1.215
Product Group	B04144