

PDF technical sheet NU1013



Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, brass cage

Product definition	
d	2.5591 "
D	3.9370 "
B	0.7087 "
E	3.5630 "
F	2.9331 "
rs min	0.0433 "
r1s min	0.0394 "
Radial clearance class	CN
Mass (without HJ ring)	1.79 oz
Brand	NTN



Product performance	
Dynamic load, C	41 kN
Static load, C0	51 kN
Fatigue limit load, Cu	6.20 kN
Nlim (oil)	8,200 RPM
Nlim (grease)	7,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.22 Hz
Characteristic outer ring frequency, BPF0	10.39 Hz
Characteristic inner ring frequency, BPFI	12.62 Hz



Abutment dimensions	
da min	2.7559 "
da max	2.8740 "
db min	2.9921 "
Da max	3.6811 "
ra max	0.0394 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$