

PDF technical sheet TS2N212G1EC3NAP4



Single row cylindrical roller bearings

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

Product definition	
d	2.3622 "
D	4.3307 "
B	0.8661 "
E	3.9370 "
F	2.8346 "
d1	3.0551 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	C3
Mass (without HJ ring)	3.03 oz
Brand	NTN



Product performance	
Dynamic load, C	97.50 kN
Static load, C0	107 kN
Fatigue limit load, Cu	13 kN
Nlim (oil)	6,800 RPM
Nlim (grease)	5,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	320 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.98 Hz
Characteristic outer ring frequency, BPF0	6.70 Hz
Characteristic inner ring frequency, BPF1	9.30 Hz



Abutment dimensions	
da min	2.6772 "
Da max	4.0157 "
Db min	3.9764 "
Dc max	3.8189 "
ra max	0.0591 "
r1a max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$