

PDF technical sheet NU1030



Single row cylindrical roller bearings

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

Product definition	
d	5.9055 "
D	8.8583 "
B	1.3780 "
E	8.0906 "
F	6.6732 "
rs min	0.0827 "
r1s min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	19.22 oz
Brand	NTN



Product performance	
Dynamic load, C	202 kN
Static load, C0	294 kN
Fatigue limit load, Cu	29.70 kN
Nlim (oil)	3,500 RPM
Nlim (grease)	3,000 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	10.32 Hz
Characteristic outer ring frequency, BPF0	11.30 Hz
Characteristic inner ring frequency, BPF1	13.70 Hz



Abutment dimensions	
da min	6.2205 "
da max	6.5748 "
db min	6.8110 "
Da max	8.4252 "
ra max	0.0787 "
r1a max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$