

PDF technical sheet NU10/500L1



Single row cylindrical roller bearings

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

Product definition	
d	19.6850 "
D	28.3465 "
B	3.9370 "
E	26.1417 "
F	21.8898 "
rs min	0.2362 "
r1s min	0.2362 "
Radial clearance class	CN
Mass (without HJ ring)	472.67 oz
Brand	NTN



Product performance	
Dynamic load, C	1,610 kN
Static load, C0	2,870 kN
Fatigue limit load, Cu	203 kN
Nlim (oil)	910 RPM
Nlim (grease)	770 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	20.6299 "
da max	21.6929 "
db min	22.1260 "
Da max	27.4016 "
ra max	0.1969 "
r1a max	0.1969 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$