

PDF technical sheet NU1016C3



Single row cylindrical roller bearings

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

Product definition	
d	3.1496 "
D	4.9213 "
B	0.8661 "
E	4.4685 "
F	3.6024 "
rs min	0.0433 "
r1s min	0.0394 "
Radial clearance class	C3
Mass (without HJ ring)	3.48 oz
Brand	NTN



Product performance	
Dynamic load, C	72.50 kN
Static load, C0	90.50 kN
Fatigue limit load, Cu	11 kN
Nlim (oil)	6,700 RPM
Nlim (grease)	5,700 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.3465 "
da max	3.5433 "
db min	3.7008 "
Da max	4.6654 "
ra max	0.0394 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$