

PDF technical sheet NU1936C3



Single row cylindrical roller bearings

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

Product definition	
d	7.0866 "
D	11.0236 "
B	1.8110 "
E	10.0394 "
F	8.0709 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	36.33 oz
Brand	NTN



Product performance	
Dynamic load, C	340 kN
Static load, C0	485 kN
Fatigue limit load, Cu	46.10 kN
Nlim (oil)	2,900 RPM
Nlim (grease)	2,400 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	7.5197 "
da max	7.9921 "
db min	8.2283 "
Da max	10.5906 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$