

PDF technical sheet NU1038C3



Single row cylindrical roller bearings

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

Product definition	
d	7.4803 "
D	11.4173 "
B	1.8110 "
E	10.4331 "
F	8.4646 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	37.74 oz
Brand	NTN



Product performance	
Dynamic load, C	350 kN
Static load, C0	510 kN
Fatigue limit load, Cu	47.80 kN
Nlim (oil)	2,700 RPM
Nlim (grease)	2,300 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	7.9134 "
da max	8.3858 "
db min	8.6220 "
Da max	10.9843 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$