

PDF technical sheet NU240C3



Single row cylindrical roller bearings

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

Product definition	
d	7.8740 "
D	14.1732 "
B	2.2835 "
E	12.4409 "
F	9.6063 "
rs min	0.1575 "
r1s min	0.1575 "
Radial clearance class	C3
Mass (without HJ ring)	89.95 oz
Brand	NTN



Product performance	
Dynamic load, C	620 kN
Static load, C0	865 kN
Fatigue limit load, Cu	77.50 kN
Nlim (oil)	2,100 RPM
Nlim (grease)	1,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	8.5039 "
da max	9.4488 "
db min	9.7244 "
Da max	13.5433 "
ra max	0.1181 "
r1a max	0.1181 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$