

PDF technical sheet NU412C3



Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

Product definition	
d	2.3622 "
D	5.9055 "
B	1.3780 "
E	5.0000 "
F	3.2677 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	10.55 oz
Brand	NTN



Product performance	
Dynamic load, C	167 kN
Static load, C0	168 kN
Fatigue limit load, Cu	20.20 kN
Nlim (oil)	4,600 RPM
Nlim (grease)	3,900 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	2.7953 "
da max	3.2283 "
db min	3.3465 "
Da max	5.4724 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$