

PDF technical sheet NU214C3



Single row cylindrical roller bearings

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

Product definition	
d	2.7559 "
D	4.9213 "
B	0.9449 "
E	4.3504 "
F	3.3268 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	C3
Mass (without HJ ring)	4.09 oz
Brand	NTN



Product performance	
Dynamic load, C	83.50 kN
Static load, C0	95 kN
Fatigue limit load, Cu	11.60 kN
Nlim (oil)	6,500 RPM
Nlim (grease)	5,500 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.0709 "
da max	3.2283 "
db min	3.3858 "
Da max	4.6063 "
ra max	0.0591 "
r1a max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$