

PDF technical sheet N222G1C3



Single row cylindrical roller bearings

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

Product definition	
d	4.3307 "
D	7.8740 "
B	1.4961 "
E	7.0276 "
F	5.2165 "
d1	5.5709 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	17.32 oz
Brand	NTN



Product performance	
Dynamic load, C	240 kN
Static load, C0	290 kN
Fatigue limit load, Cu	31 kN
Nlim (oil)	4,000 RPM
Nlim (grease)	3,400 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.7638 "
Da max	7.4409 "
Db min	7.1260 "
Dc max	6.9291 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$