

PDF technical sheet N219G1C3



Single row cylindrical roller bearings

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

Product definition	
d	3.7402 "
D	6.6929 "
B	1.2598 "
E	5.9646 "
F	4.4685 "
d1	4.7638 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	9.59 oz
Brand	NTN



Product performance	
Dynamic load, C	166 kN
Static load, C0	195 kN
Fatigue limit load, Cu	21.90 kN
Nlim (oil)	4,700 RPM
Nlim (grease)	4,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.1732 "
Da max	6.2598 "
Db min	6.0630 "
Dc max	5.8661 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$