

PDF technical sheet N1018C2NAP5



Single row cylindrical roller bearings

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

Product definition	
d	3.5433 "
D	5.5118 "
B	0.9449 "
E	5.0000 "
F	4.0551 "
d1	4.2441 "
rs min	0.0591 "
r1s min	0.0433 "
Radial clearance class	C2
Mass (without HJ ring)	4.68 oz
Brand	NTN



Product performance	
Dynamic load, C	90 kN
Static load, C0	90 kN
Fatigue limit load, Cu	10.50 kN
Nlim (oil)	5,900 RPM
Nlim (grease)	5,100 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.8583 "
Da max	5.2559 "
Db min	5.0787 "
Dc max	4.8819 "
ra max	0.0591 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$