

PDF technical sheet N322G1



Single row cylindrical roller bearings

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

Product definition	
d	4.3307 "
D	9.4488 "
B	1.9685 "
E	8.1496 "
F	5.6299 "
d1	6.1220 "
rs min	0.1181 "
r1s min	0.1181 "
Radial clearance class	CN
Mass (without HJ ring)	38.45 oz
Brand	NTN



Product performance	
Dynamic load, C	360 kN
Static load, C0	400 kN
Fatigue limit load, Cu	41.20 kN
Nlim (oil)	3,500 RPM
Nlim (grease)	3,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.8425 "
Da max	8.9370 "
Db min	8.2677 "
Dc max	8.0709 "
ra max	0.0984 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$