

PDF technical sheet N317G1C3



Single row cylindrical roller bearings

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

Product definition	
d	3.3465 "
D	7.0866 "
B	1.6142 "
E	6.1417 "
F	4.2520 "
d1	4.6260 "
rs min	0.1181 "
r1s min	0.1181 "
Radial clearance class	C3
Mass (without HJ ring)	16.79 oz
Brand	NTN



Product performance	
Dynamic load, C	212 kN
Static load, C0	228 kN
Fatigue limit load, Cu	25.60 kN
Nlim (oil)	4,600 RPM
Nlim (grease)	3,900 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.8583 "
Da max	6.5748 "
Db min	6.2205 "
Dc max	6.0630 "
ra max	0.0984 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$