

PDF technical sheet NJ1007G1



Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, brass cage.

Product definition	
d	1.3780 "
D	2.4409 "
B	0.5512 "
E	2.1654 "
F	1.6535 "
d1	1.7559 "
rs min	0.0394 "
r1s min	0.0236 "
Radial clearance class	CN
Mass (without HJ ring)	0.60 oz
Brand	NTN



Product performance	
Dynamic load, C	22.60 kN
Static load, C0	23.20 kN
Fatigue limit load, Cu	2.85 kN
Nlim (oil)	15,000 RPM
Nlim (grease)	12,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	1.5748 "
da max	1.6142 "
dc min	1.7717 "
Da max	2.2441 "
ra max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$