

PDF technical sheet NJ216C3



Single row cylindrical roller bearings

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

Product definition	
d	3.1496 "
D	5.5118 "
B	1.0236 "
E	4.9331 "
F	3.7520 "
d1	3.9843 "
rs min	0.0787 "
r1s min	0.0787 "
Radial clearance class	C3
Mass (without HJ ring)	5.52 oz
Brand	NTN



Product performance	
Dynamic load, C	106 kN
Static load, C0	122 kN
Fatigue limit load, Cu	14.50 kN
Nlim (oil)	5,700 RPM
Nlim (grease)	4,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.5039 "
da max	3.7008 "
dc min	4.0945 "
Da max	5.1575 "
ra max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$