

PDF technical sheet NJ236EG1C4



Single row cylindrical roller bearings

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

Product definition	
d	7.0866 "
D	12.5984 "
B	2.0472 "
E	11.3780 "
F	8.5433 "
d1	9.1102 "
rs min	0.1575 "
r1s min	0.1575 "
Radial clearance class	C4
Mass (without HJ ring)	63.14 oz
Brand	NTN



Product performance	
Dynamic load, C	625 kN
Static load, C0	850 kN
Fatigue limit load, Cu	78.70 kN
Nlim (oil)	2,200 RPM
Nlim (grease)	1,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.89 Hz
Characteristic outer ring frequency, BPF0	8.15 Hz
Characteristic inner ring frequency, BPF1	10.85 Hz



Abutment dimensions	
da min	7.7165 "
da max	8.4252 "
dc min	9.1732 "
Da max	11.9685 "
ra max	0.1181 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$