

PDF technical sheet NU256C3



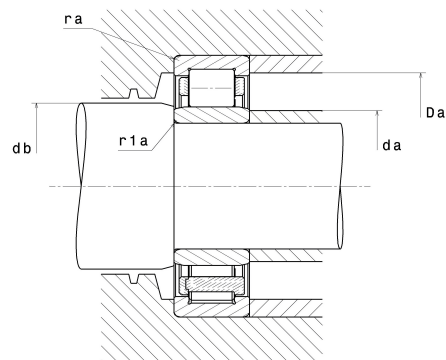
Single row cylindrical roller bearings

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

Product definition	
d	11.0236 "
D	19.6850 "
B	3.1496 "
E	17.3228 "
F	13.3858 "
rs min	0.1969 "
r1s min	0.1969 "
Radial clearance class	C3
Mass (without HJ ring)	246.21 oz
Brand	NTN



Product performance	
Dynamic load, C	1,190 kN
Static load, C0	1,760 kN
Fatigue limit load, Cu	143 kN
Nlim (oil)	1,400 RPM
Nlim (grease)	1,200 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.67 Hz
Characteristic outer ring frequency, BPF0	8.72 Hz
Characteristic inner ring frequency, BPF1	11.28 Hz



Abutment dimensions	
da min	11.8110 "
da max	13.2283 "
db min	13.5039 "
Da max	18.8976 "
ra max	0.1575 "
r1a max	0.1575 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$