

PDF technical sheet

NU244



Single row cylindrical roller bearings

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

Product definition	
d	8.6614 "
D	15.7480 "
B	2.5591 "
E	13.7795 "
F	10.6299 "
rs min	0.1575 "
r1s min	0.1575 "
Radial clearance class	CN
Mass (without HJ ring)	132.98 oz
Brand	NTN



Product performance	
Dynamic load, C	760 kN
Static load, C0	1,080 kN
Fatigue limit load, Cu	93.80 kN
Nlim (oil)	1,900 RPM
Nlim (grease)	1,600 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	7.62 Hz
Characteristic outer ring frequency, BPF0	8.27 Hz
Characteristic inner ring frequency, BPFI	10.73 Hz



Abutment dimensions	
da min	9.2913 "
da max	10.4724 "
db min	10.7480 "
Da max	15.1181 "
ra max	0.1181 "
r1a max	0.1181 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$