

PDF technical sheet NU344C3



Single row cylindrical roller bearings

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

Product definition	
d	8.6614 "
D	18.1102 "
B	3.4646 "
E	15.5906 "
F	11.1811 "
rs min	0.1969 "
r1s min	0.1969 "
Radial clearance class	C3
Mass (without HJ ring)	255.74 oz
Brand	NTN



Product performance	
Dynamic load, C	1,190 kN
Static load, C0	1,570 kN
Fatigue limit load, Cu	133 kN
Nlim (oil)	1,600 RPM
Nlim (grease)	1,400 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	9.4488 "
da max	10.9843 "
db min	11.2992 "
Da max	17.3228 "
ra max	0.1575 "
r1a max	0.1575 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$