

PDF technical sheet NU310C3



Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

Product definition	
d	1.9685 "
D	4.3307 "
B	1.0630 "
E	3.7402 "
F	2.5591 "
rs min	0.0787 "
r1s min	0.0787 "
Radial clearance class	C3
Mass (without HJ ring)	4.02 oz
Brand	NTN



Product performance	
Dynamic load, C	87 kN
Static load, C0	86 kN
Fatigue limit load, Cu	10.50 kN
Nlim (oil)	7,700 RPM
Nlim (grease)	6,500 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	2.3228 "
da max	2.4803 "
db min	2.6378 "
Da max	3.9764 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$