

PDF technical sheet NU318



Single row cylindrical roller bearings

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

Product definition	
d	3.5433 "
D	7.4803 "
B	1.6929 "
E	6.4961 "
F	4.5276 "
rs min	0.1181 "
r1s min	0.1181 "
Radial clearance class	CN
Mass (without HJ ring)	19.33 oz
Brand	NTN



Product performance	
Dynamic load, C	240 kN
Static load, C0	265 kN
Fatigue limit load, Cu	29.20 kN
Nlim (oil)	4,300 RPM
Nlim (grease)	3,700 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.0551 "
da max	4.3701 "
db min	4.6063 "
Da max	6.9685 "
ra max	0.0984 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$