

PDF technical sheet NU2319



Single row cylindrical roller bearings

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

Product definition	
d	3.7402 "
D	7.8740 "
B	2.6378 "
E	6.8307 "
F	4.7835 "
rs min	0.1181 "
r1s min	0.1181 "
Radial clearance class	CN
Mass (without HJ ring)	32.59 oz
Brand	NTN



Product performance	
Dynamic load, C	370 kN
Static load, C0	460 kN
Fatigue limit load, Cu	49.90 kN
Nlim (oil)	3,500 RPM
Nlim (grease)	3,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.2520 "
da max	4.6850 "
db min	4.8819 "
Da max	7.3622 "
ra max	0.0984 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$