

PDF technical sheet NU405



Single row cylindrical roller bearings

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

Product definition	
d	0.9843 "
D	3.1496 "
B	0.8268 "
E	2.4724 "
F	1.5276 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	2.04 oz
Brand	NTN



Product performance	
Dynamic load, C	46.50 kN
Static load, C0	40 kN
Fatigue limit load, Cu	4.90 kN
Nlim (oil)	10,000 RPM
Nlim (grease)	8,500 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	1.2992 "
da max	1.4961 "
db min	1.6142 "
Da max	2.8346 "
ra max	0.0591 "
r1a max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$