

PDF technical sheet NU1024



Single row cylindrical roller bearings

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

Product definition	
d	4.7244 "
D	7.0866 "
B	1.1024 "
E	6.4961 "
F	5.3150 "
rs min	0.0787 "
r1s min	0.0433 "
Radial clearance class	CN
Mass (without HJ ring)	8.61 oz
Brand	NTN



Product performance	
Dynamic load, C	139 kN
Static load, C0	191 kN
Fatigue limit load, Cu	20.60 kN
Nlim (oil)	4,400 RPM
Nlim (grease)	3,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	4.9803 "
da max	5.2756 "
db min	5.4331 "
Da max	6.7323 "
ra max	0.0787 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$