

PDF technical sheet NU324G1C3



Single row cylindrical roller bearings

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

Product definition	
d	4.7244 "
D	10.2362 "
B	2.1654 "
E	8.8976 "
F	6.0630 "
rs min	0.1181 "
r1s min	0.1181 "
Radial clearance class	C3
Mass (without HJ ring)	54.32 oz
Brand	NTN



Product performance	
Dynamic load, C	450 kN
Static load, C0	510 kN
Fatigue limit load, Cu	51.30 kN
Nlim (oil)	3,200 RPM
Nlim (grease)	2,700 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	5.2362 "
da max	5.9449 "
db min	6.1417 "
Da max	9.7244 "
ra max	0.0984 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$