

PDF technical sheet NU2312C3



Single row cylindrical roller bearings

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

Product definition	
d	2.3622 "
D	5.1181 "
B	1.8110 "
E	4.4488 "
F	3.0315 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	9.54 oz
Brand	NTN



Product performance	
Dynamic load, C	169 kN
Static load, C0	188 kN
Fatigue limit load, Cu	22.90 kN
Nlim (oil)	5,700 RPM
Nlim (grease)	4,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	2.7953 "
da max	2.9528 "
db min	3.1102 "
Da max	4.6850 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$