

PDF technical sheet NU1018



Single row cylindrical roller bearings

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

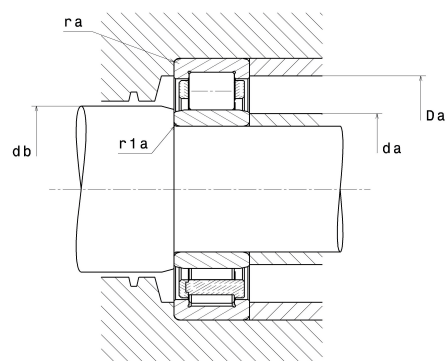
Product definition

d	3.5433 "
D	5.5118 "
B	0.9449 "
E	5.0000 "
F	4.0551 "
rs min	0.0591 "
r1s min	0.0433 "
Radial clearance class	CN
Mass (without HJ ring)	4.69 oz
Brand	NTN



Product performance

Dynamic load, C	88 kN
Static load, C0	114 kN
Fatigue limit load, Cu	13.30 kN
Nlim (oil)	5,900 RPM
Nlim (grease)	5,100 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da min	3.7992 "
da max	3.9764 "
db min	4.1732 "
Da max	5.1969 "
ra max	0.0591 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$