

PDF technical sheet NU1019



Single row cylindrical roller bearings

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

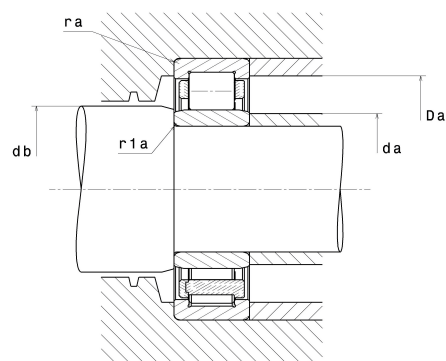
Product definition

d	3.7402 "
D	5.7087 "
B	0.9449 "
E	5.1969 "
F	4.2520 "
rs min	0.0591 "
r1s min	0.0433 "
Radial clearance class	CN
Mass (without HJ ring)	5.22 oz
Brand	NTN



Product performance

Dynamic load, C	90.50 kN
Static load, C0	120 kN
Fatigue limit load, Cu	13.90 kN
Nlim (oil)	5,600 RPM
Nlim (grease)	4,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da min	3.9961 "
da max	4.1732 "
db min	4.3701 "
Da max	5.3937 "
ra max	0.0591 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$