

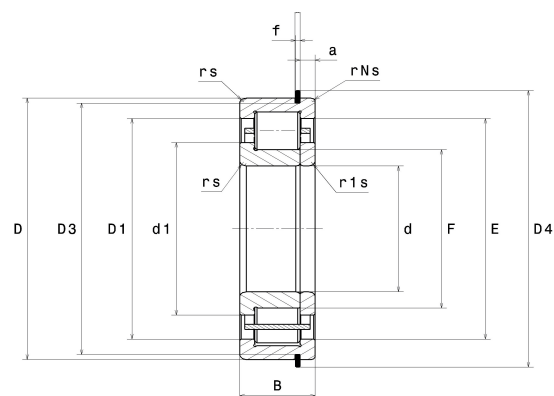
PDF technical sheet NUP310NR



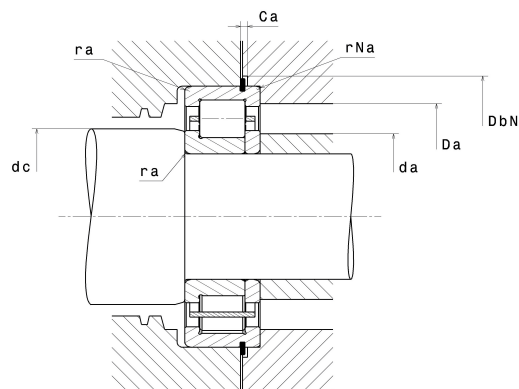
Single row cylindrical roller bearings

Single row cylindrical roller bearing with snap ring, separable, locating, pressed steel cage

Product definition	
d	1.9685 "
D	4.3307 "
B	1.0630 "
E	3.7402 "
F	2.5591 "
d1	2.7953 "
a min	0.1209 "
a max	0.1291 "
Ca min	0.2138 "
Ca max	0.2260 "
rNs min	0.0197 "
D3 max	4.2051 "
b min	0.1063 "
b max	0.1181 "
r0 max	0.0236 "
D4 max	4.5906 "
f	0.0969 "
Snap ring reference	R110
rs min	0.0787 "
r1s min	0.0787 "
Radial clearance class	CN
Mass (without HJ ring)	4.29 oz
Brand	NTN



Product performance	
Dynamic load, C	87 kN
Static load, C0	86 kN
Fatigue limit load, Cu	10.50 kN
Nlim (oil)	7,700 RPM
Nlim (grease)	6,500 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da min	2.3228 "
dc min	2.8740 "
Da max	3.9764 "
DbN min	4.6457 "
ra max	0.0787 "
rNa max	0.0197 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$