

PDF technical sheet NUP410G1

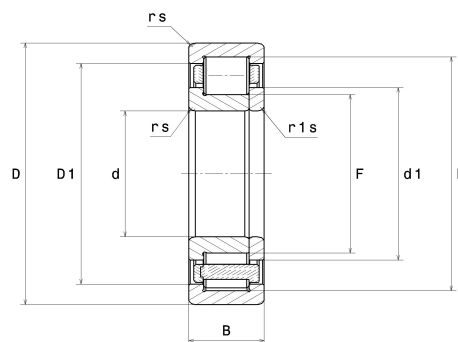


Single row cylindrical roller bearings

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

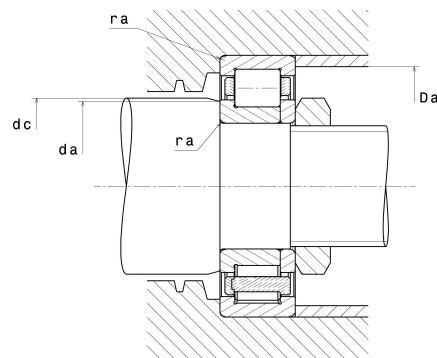
Product definition

d	1.9685 "
D	5.1181 "
B	1.2205 "
E	4.3622 "
F	2.7874 "
d1	3.1024 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	CN
Mass (without HJ ring)	7.73 oz
Brand	NTN



Product performance

Dynamic load, C	129 kN
Static load, C0	124 kN
Fatigue limit load, Cu	15.10 kN
Nlim (oil)	5,500 RPM
Nlim (grease)	4,700 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.32 Hz
Characteristic outer ring frequency, BPF0	3.90 Hz
Characteristic inner ring frequency, BPF1	6.10 Hz



Abutment dimensions

da min	2.4016 "
dc min	3.1890 "
Da max	4.6850 "
ra max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$