

PDF technical sheet NUP211EG1C3U

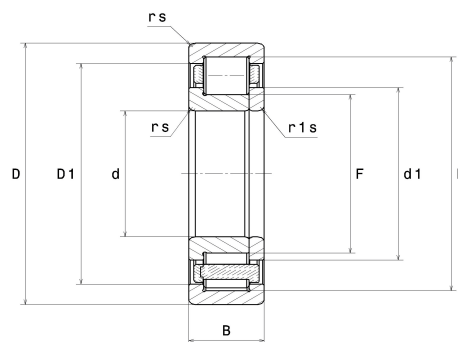


Single row cylindrical roller bearings

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

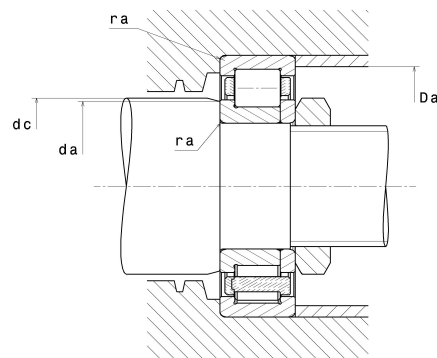
Product definition

d	2.1654 "
D	3.9370 "
B	0.8268 "
E	3.5433 "
F	2.5984 "
d1	2.7874 "
rs min	0.0591 "
r1s min	0.0433 "
Radial clearance class	C3
Mass (without HJ ring)	2.59 oz
Brand	NTN



Product performance

Dynamic load, C	82.50 kN
Static load, C0	93 kN
Fatigue limit load, Cu	11.30 kN
Nlim (oil)	7,400 RPM
Nlim (grease)	6,300 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.35 Hz
Characteristic outer ring frequency, BPF0	6.77 Hz
Characteristic inner ring frequency, BPF1	9.23 Hz



Abutment dimensions

da min	2.4803 "
dc min	2.8740 "
Da max	3.6220 "
ra max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$