

PDF technical sheet NUP2212EG1

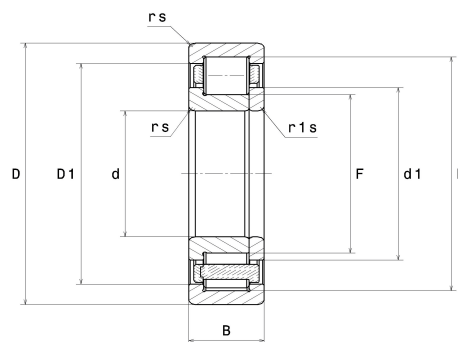


Single row cylindrical roller bearings

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

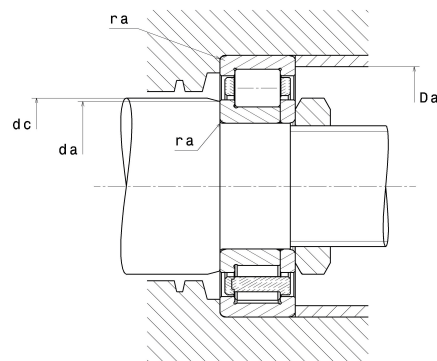
Product definition

d	2.3622 "
D	4.3307 "
B	1.1024 "
E	3.9370 "
F	2.8346 "
d1	3.0551 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	4.09 oz
Brand	NTN



Product performance

Dynamic load, C	131 kN
Static load, C0	157 kN
Fatigue limit load, Cu	19.10 kN
Nlim (oil)	6,100 RPM
Nlim (grease)	5,200 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	5.98 Hz
Characteristic outer ring frequency, BPF0	6.70 Hz
Characteristic inner ring frequency, BPF1	9.30 Hz



Abutment dimensions

da min	2.6772 "
dc min	3.1496 "
Da max	4.0157 "
ra max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$