

PDF technical sheet NU2215

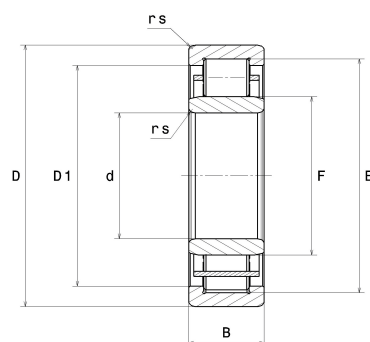


Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

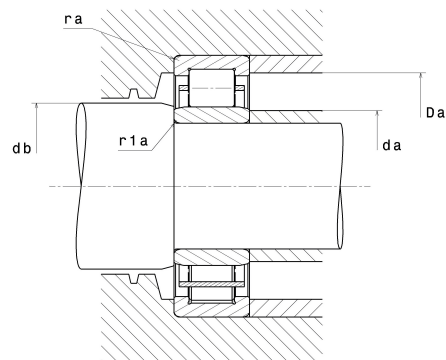
Product definition

d	2.9528 "
D	5.1181 "
B	1.2205 "
E	4.5866 "
F	3.4843 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	5.64 oz
Brand	NTN



Product performance

Dynamic load, C	130 kN
Static load, C0	162 kN
Fatigue limit load, Cu	19.60 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	0.43 Hz
Characteristic rolling element frequency, BSF	7.19 Hz
Characteristic outer ring frequency, BPF0	6.91 Hz
Characteristic inner ring frequency, BPF1	9.09 Hz



Abutment dimensions

da min	3.2677 "
da max	3.4252 "
db min	3.5433 "
Da max	4.8031 "
ra max	0.0591 "
r1a max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$