Technical data

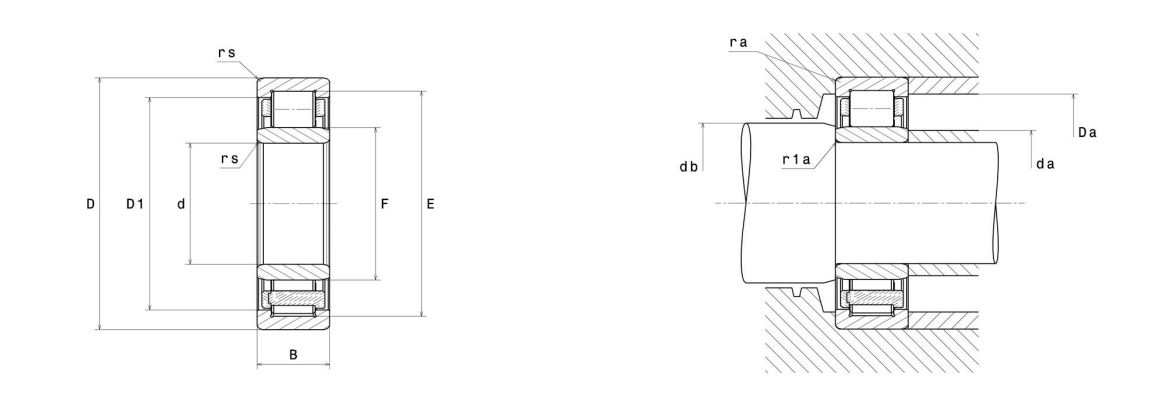
NU320EG1

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	100 mm
D	215 mm
B	47 mm
E	191.5 mm
F	127.5 mm
D1	179.7 mm
rs min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	8.57 kg
Brand	NTN

Product performance

Dynamic load, C	380 kN
Static load, C0	425 kN
Nlim (oil)	3,500 Tr/min
Nlim (grease)	2,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.78 Hz
Characteristic outer ring frequency, BPF0	5.2 Hz
Characteristic inner ring frequency, BPFI	7.8 Hz

Abutment dimensions

da min	113 mm
da max	125 mm
db min	132 mm
Da max	202 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$