Technical data

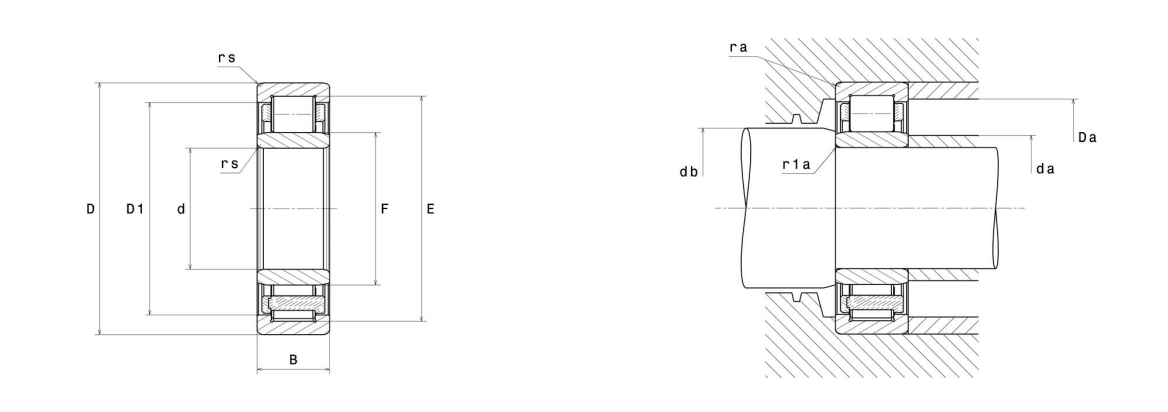
NU316EG1C3

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	80 mm
D	170 mm
B	39 mm
E	151 mm
F	101 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	4.22 kg
Brand	NTN

Product performance

Dynamic load, C	256 kN
Static load, C0	282 kN
Fatigue limit load, Cu	32.2 kN
Nlim (oil)	4,400 Tr/min
Nlim (grease)	3,700 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	4.84 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz

Abutment dimensions

da min	91 mm
da max	99 mm
db min	105 mm
Da max	159 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr