Technical data

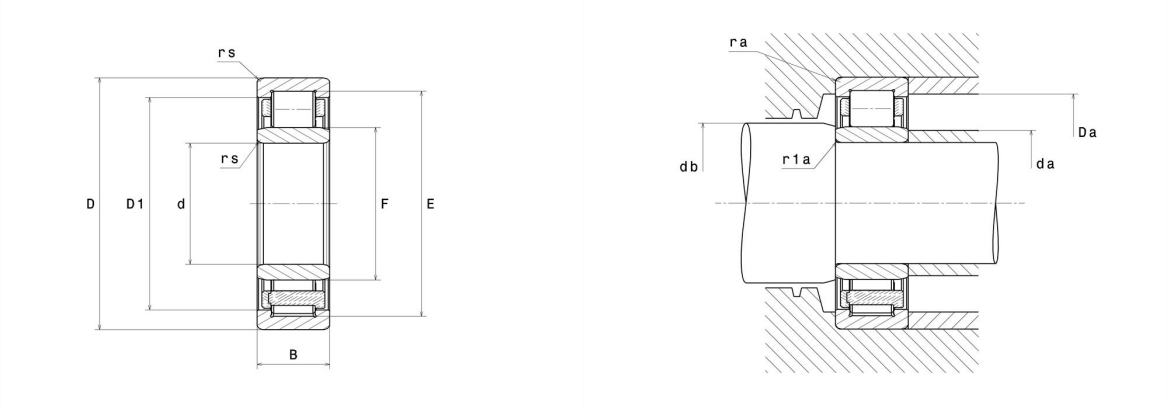
NU318EG1

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	90 mm
D	190 mm
B	43 mm
E	169.5 mm
F	113.5 mm
D1	159 mm
rs min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	5.64 kg
Brand	NTN

Product performance

Dynamic load, C	315 kN
Static load, C0	355 kN
Nlim (oil)	3,900 Tr/min
Nlim (grease)	3,300 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	4.86 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz

Abutment dimensions

da min	103 mm
da max	111 mm
db min	117 mm
Da max	177 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr