Technical data

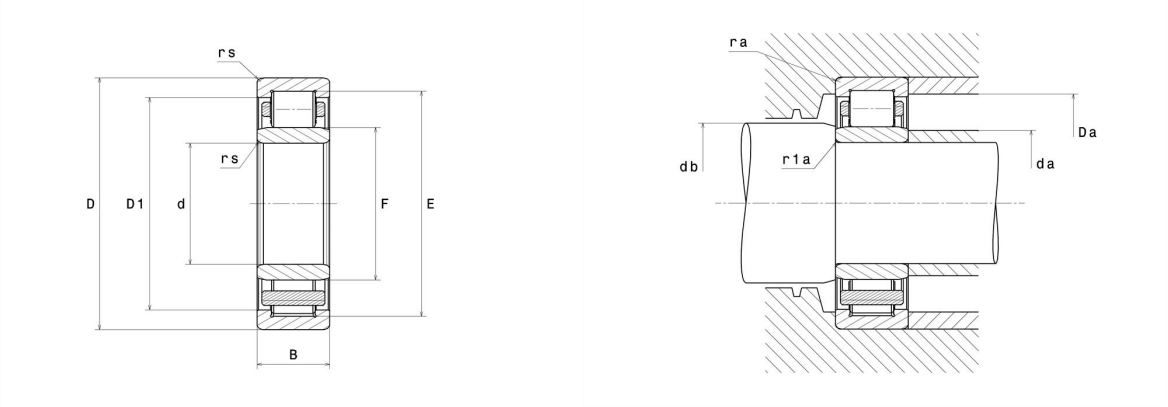
NU318ET2C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	90 mm
D	190 mm
B	43 mm
E	169.5 mm
F	113.5 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	5.3 kg
Brand	NTN

Product performance

Dynamic load, C	315 kN
Static load, C0	355 kN
Fatigue limit load, Cu	39.1 kN
Nlim (oil)	3,900 Tr/min
Nlim (grease)	3,300 Tr/min
Min operating temperature, Tmin	-20 °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
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr