Technical datasheet

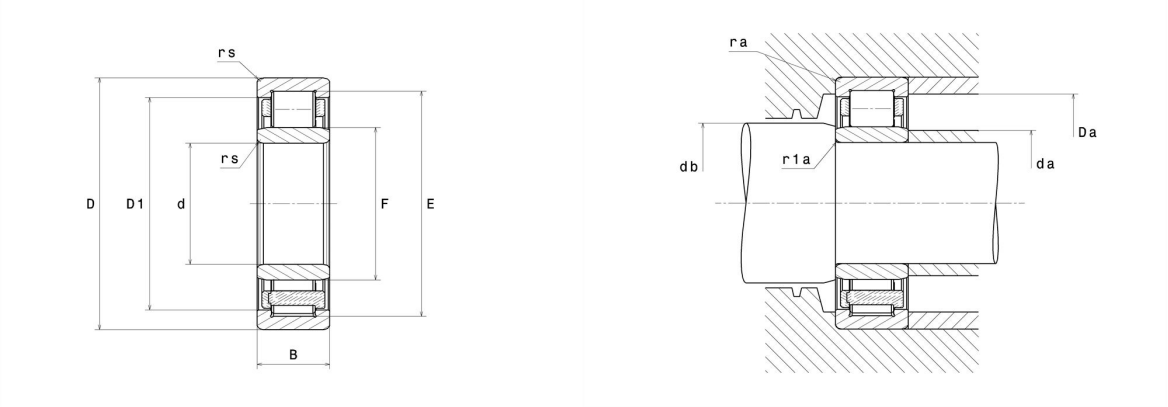
NU1012G1C3

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	60 mm
D	95 mm
B	18 mm
E	85.5 mm
F	69.5 mm
rs min	1.1 mm
r1s min	1 mm
Radial clearance class	C3
Mass (without HJ ring)	0.45 kg
Brand	NTN

Product performance

Dynamic load, C	40 kN
Static load, C0	48.5 kN
Fatigue limit load, Cu	5.9 kN
Nlim (oil)	8,800 rpm
Nlim (grease)	7,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.58 Hz
Characteristic outer ring frequency, BPF0	9.86 Hz
Characteristic inner ring frequency, BPFI	12.14 Hz

Abutment dimensions

da min	65 mm
da max	68 mm
db min	71 mm
Da max	88.5 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr