



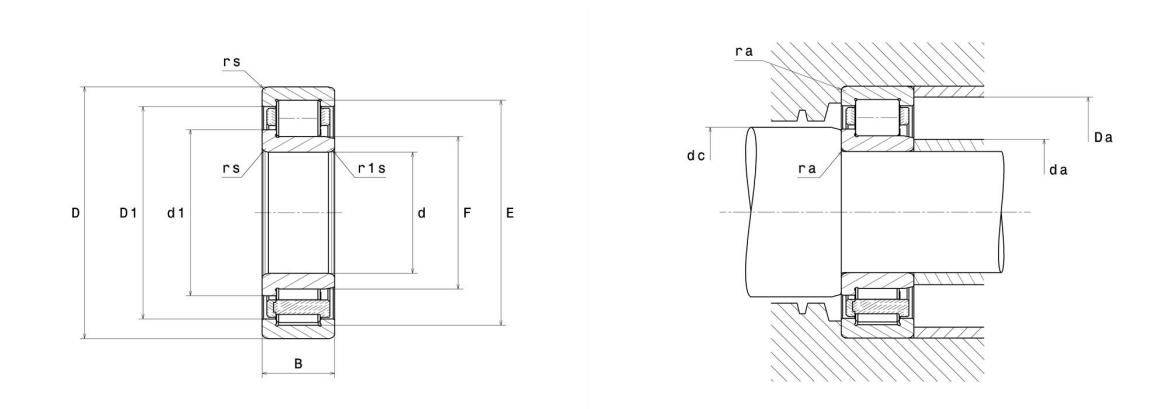
Technical datasheet

NJ1012G1

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, brass cage.

Visual(s)



Product definition

d	60 mm
D	95 mm
B	18 mm
E	85.5 mm
F	69.5 mm
d1	72.7 mm
rs min	1.1 mm
r1s min	1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.47 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	66.5 mm
da max	68 mm
dc min	73.5 mm
Da max	88.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$