Technical datasheet

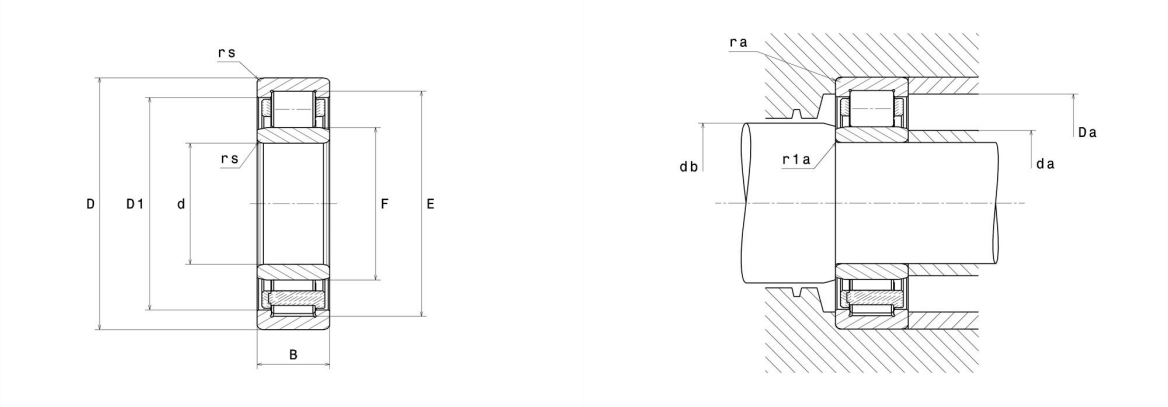
NU1040C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	200 mm
D	310 mm
B	51 mm
E	281 mm
F	229 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	13.9 kg
Brand	NTN

Product performance

Dynamic load, C	390 kN
Static load, C0	580 kN
Fatigue limit load, Cu	53.4 kN
Nlim (oil)	2,600 rpm
Nlim (grease)	2,200 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	9.71 Hz
Characteristic outer ring frequency, BPF0	10.78 Hz
Characteristic inner ring frequency, BPFI	13.22 Hz

Abutment dimensions

da min	211 mm
da max	226 mm
db min	233 mm
Da max	299 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr