Technical data

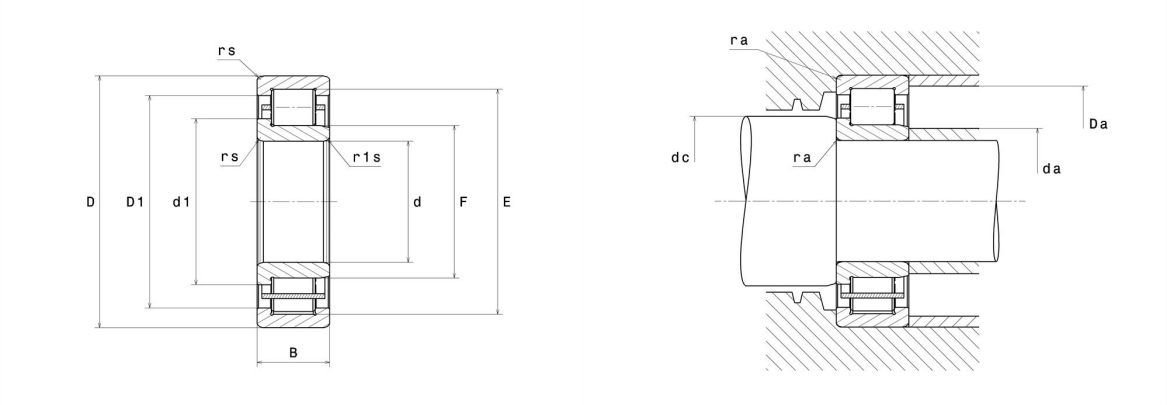
NJ203

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	17 mm
D	40 mm
B	12 mm
E	33.9 mm
F	22.9 mm
D1	31.5 mm
rNs min	0.3 mm
rs min	0.6 mm
r1s min	0.07 mm
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	11.8 kN
Static load, C0	9.55 kN
Nlim (oil)	20,000 Tr/min
Nlim (grease)	17,000 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	4.97 Hz
Characteristic outer ring frequency, BPF0	4.03 Hz
Characteristic inner ring frequency, BPFI	5.97 Hz

Abutment dimensions

da min	19 mm
da max	21 mm
Da max	36 mm
ra max	0.6 mm
r1a max	0.3 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr