Technical data

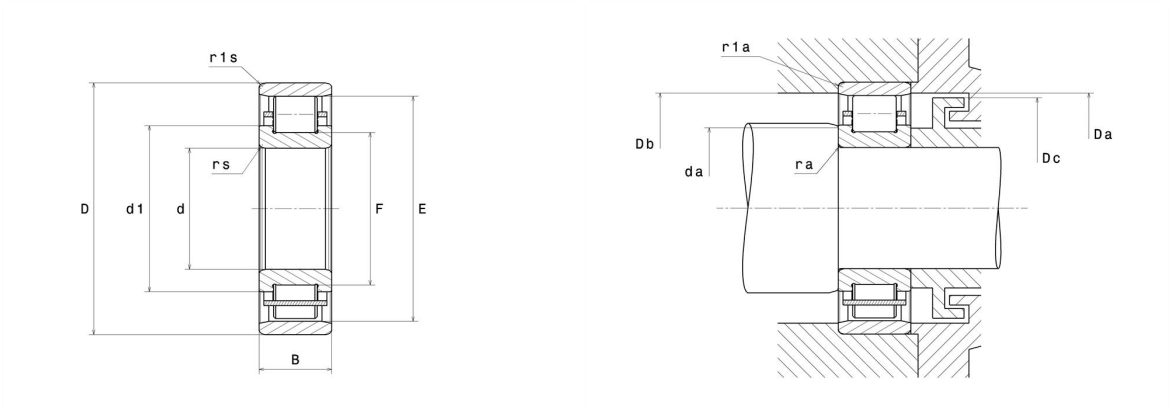
N203

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, 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
rs min	0.6 mm
r1s min	0.3 mm
Radial clearance class	CN
Mass (without HJ ring)	0.07 kg
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	21 mm
da max	24 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

$P_0 = Fr$