Technical data

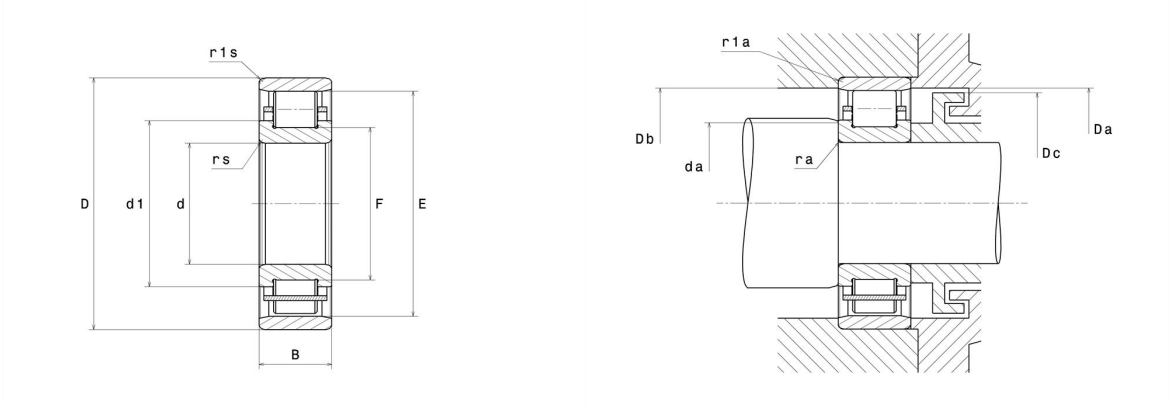
N221

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage



Visual(s)



Product definition

d	105 mm
D	190 mm
B	36 mm
E	168.8 mm
F	126.8 mm
d1	135 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	3.95 kg
Brand	NTN

Product performance

Dynamic load, C	201 kN
Static load, C0	241 kN
Fatigue limit load, Cu	26.2 kN
Nlim (oil)	4,300 Tr/min
Nlim (grease)	3,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	6.86 Hz
Characteristic inner ring frequency, BPFI	9.14 Hz

Abutment dimensions

da min	116 mm
Da max	179 mm
Db min	171.6 mm
Dc max	166.6 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$