Technical datasheet

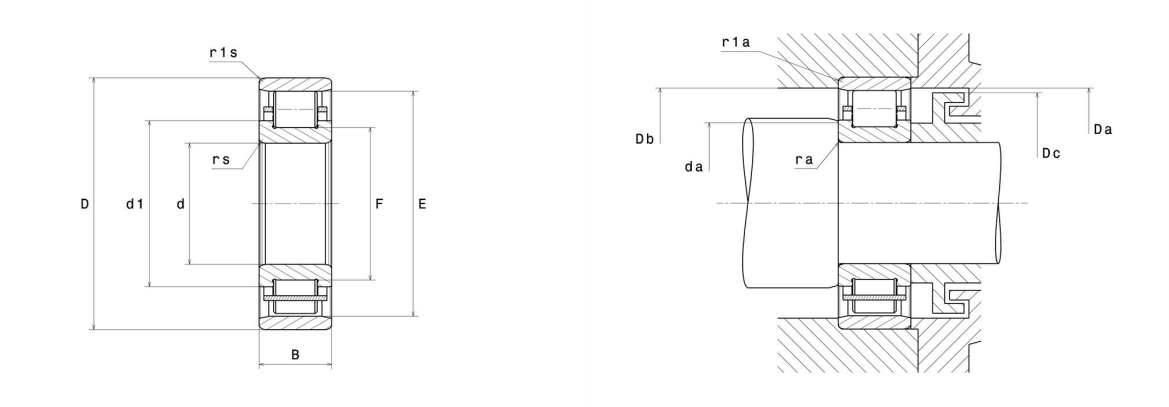
N321C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	105 mm
D	225 mm
B	49 mm
E	195 mm
F	135 mm
d1	147 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	8.84 kg
Brand	NTN

Product performance

Dynamic load, C	320 kN
Static load, C0	360 kN
Fatigue limit load, Cu	37.8 kN
Nlim (oil)	3,700 rpm
Nlim (grease)	3,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.32 Hz
Characteristic outer ring frequency, BPF0	5.73 Hz
Characteristic inner ring frequency, BPFI	8.27 Hz

Abutment dimensions

da min	118 mm
Da max	212 mm
Db min	198 mm
Dc max	193 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$