Technical datasheet

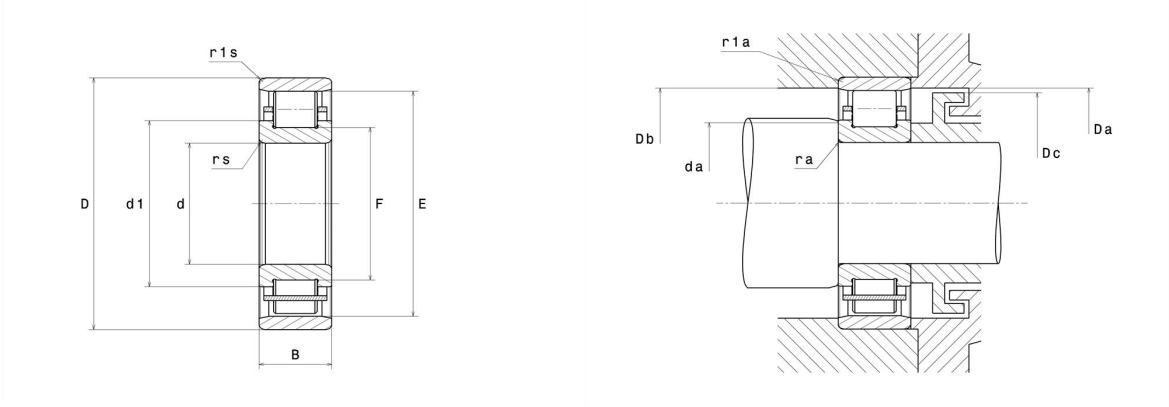
N217C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	85 mm
D	150 mm
B	28 mm
E	133.8 mm
F	101.8 mm
d1	108.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.85 kg
Brand	NTN

Product performance

Dynamic load, C	120 kN
Static load, C0	140 kN
Fatigue limit load, Cu	16.3 kN
Nlim (oil)	5,300 rpm
Nlim (grease)	4,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.23 Hz
Characteristic outer ring frequency, BPF0	6.91 Hz
Characteristic inner ring frequency, BPFI	9.09 Hz

Abutment dimensions

da min	94 mm
Da max	141 mm
Db min	136.6 mm
Dc max	131.6 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$