Technical data

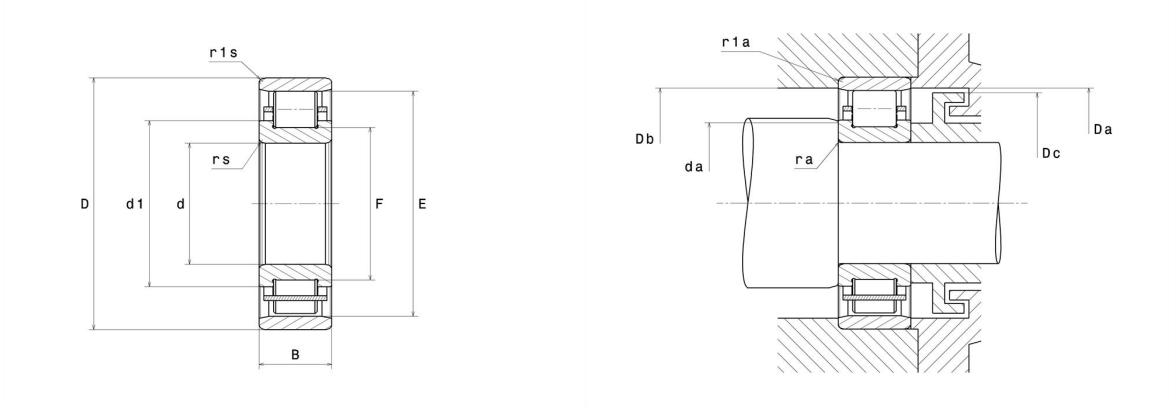
N217

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	CN
Mass (without HJ ring)	1.91 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 Tr/min
Nlim (grease)	4,500 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	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

$P_0 = Fr$