Technical data

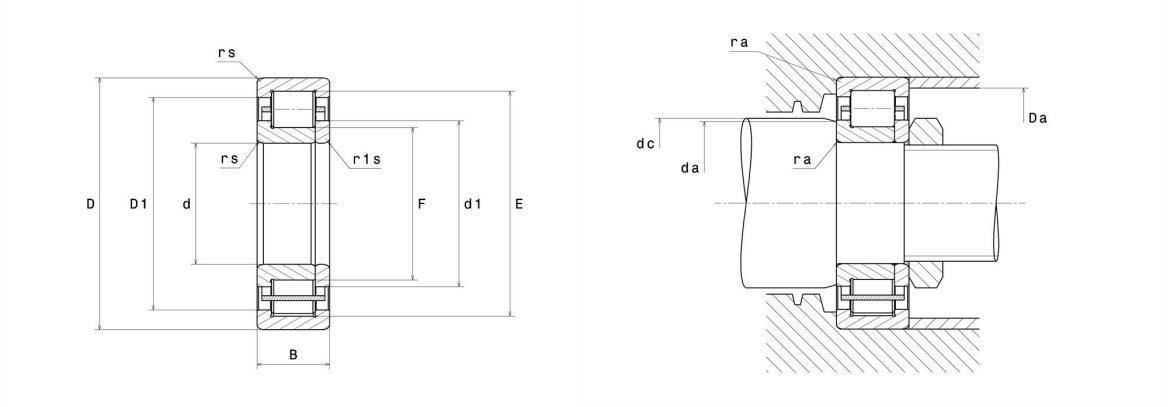
NUP220

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	100 mm
D	180 mm
B	34 mm
E	160 mm
F	120 mm
d1	128 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	3.52 kg
Brand	NTN

Product performance

Dynamic load, C	183 kN
Static load, C0	217 kN
Fatigue limit load, Cu	23.9 kN
Nlim (oil)	4,500 Tr/min
Nlim (grease)	3,800 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	6.86 Hz
Characteristic outer ring frequency, BPF0	6.86 Hz
Characteristic inner ring frequency, BPFI	9.14 Hz

Abutment dimensions

da min	111 mm
dc min	130 mm
Da max	169 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$