Technical datasheet

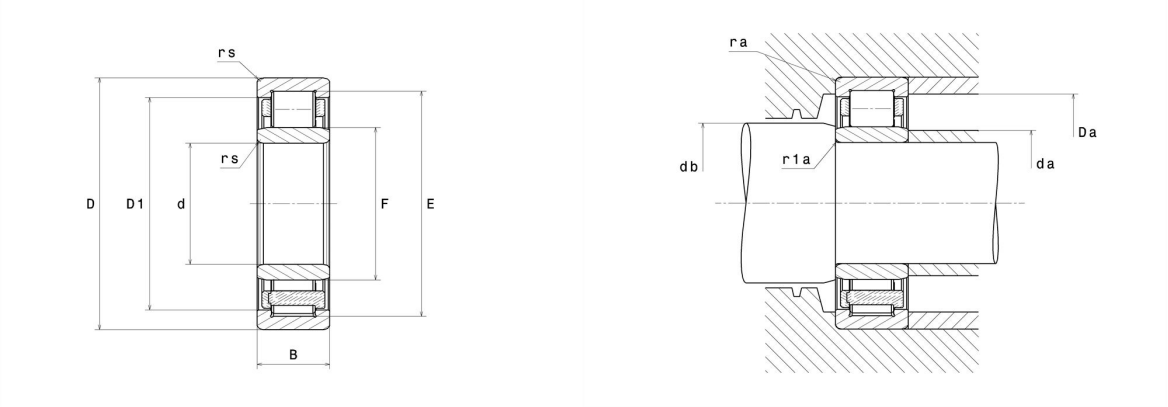
NU2220G1

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, brass cage

Visual(s)



Product definition

d	100 mm
D	180 mm
B	46 mm
E	160 mm
F	120 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	4.84 kg
Brand	NTN

Product performance

Dynamic load, C	258 kN
Static load, C0	340 kN
Fatigue limit load, Cu	37.5 kN
Nlim (oil)	4,100 rpm
Nlim (grease)	3,500 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	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
da max	117 mm
db min	122 mm
Da max	169 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr