Technical data

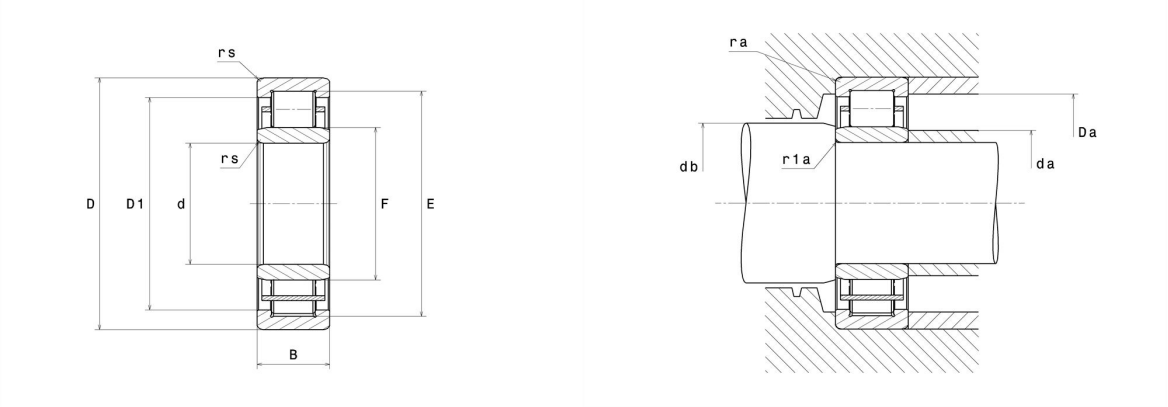
NU224C3

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	120 mm
D	215 mm
B	40 mm
E	191.5 mm
F	143.5 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	5.72 kg
Brand	NTN

Product performance

Dynamic load, C	260 kN
Static load, C0	320 kN
Fatigue limit load, Cu	33.4 kN
Nlim (oil)	3,700 Tr/min
Nlim (grease)	3,200 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	6.84 Hz
Characteristic outer ring frequency, BPF0	6.85 Hz
Characteristic inner ring frequency, BPFI	9.15 Hz

Abutment dimensions

da min	131 mm
da max	141 mm
db min	146 mm
Da max	204 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr