



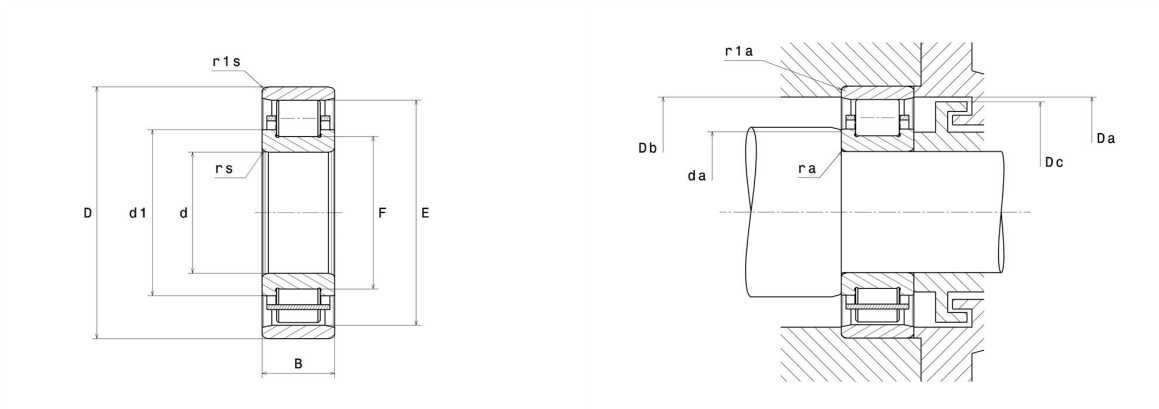
Technical datasheet

N224

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
d1	153 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	5.6 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 rpm
Nlim (grease)	3,200 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	6.84 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	204 mm
Db min	194 mm
Dc max	189 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$