Technical data

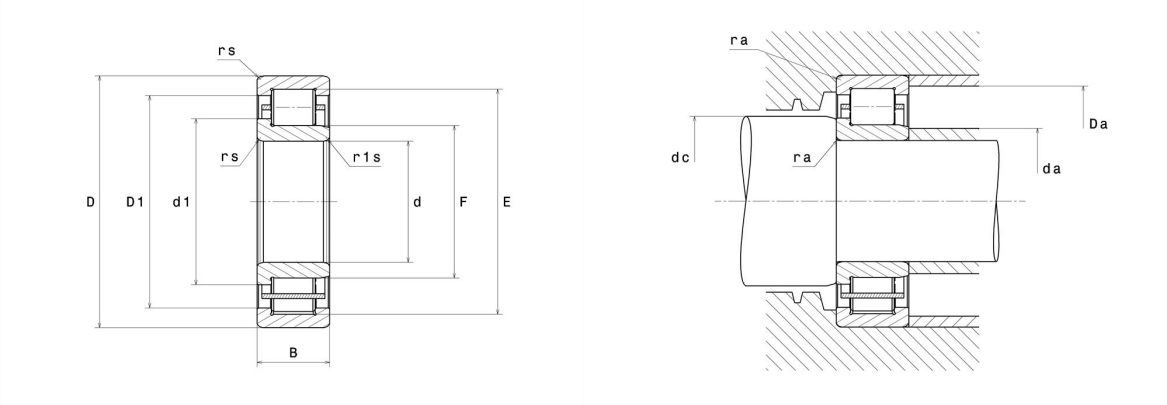
NJ224

Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, 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)	6.02 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
dc min	156 mm
Da max	204 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$