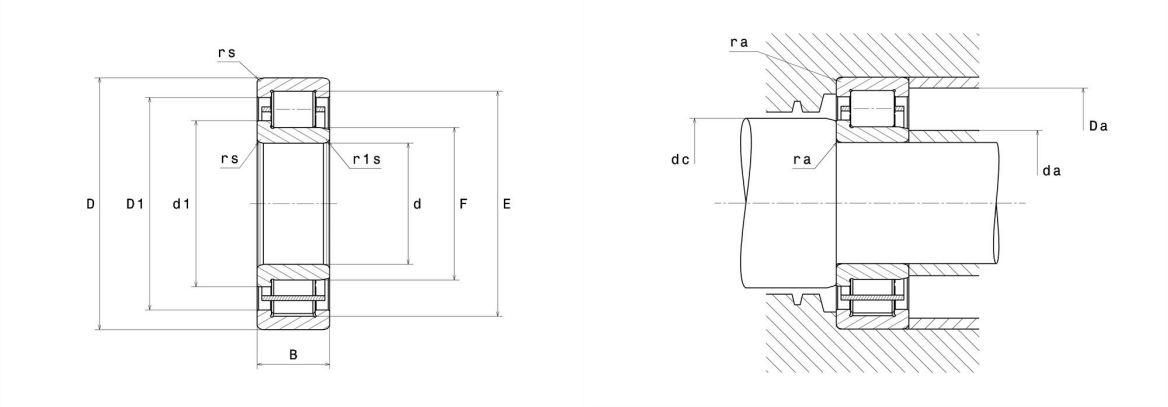
Technical data

NJ414

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, pressed steel cage.

Visual(s)



Product definition

d	70 mm
D	180 mm
B	42 mm
E	152 mm
F	100 mm
d1	110.5 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	5.33 kg
Brand	NTN

Product performance

Dynamic load, C	228 kN
Static load, C0	236 kN
Fatigue limit load, Cu	26.9 kN
Nlim (oil)	4,000 Tr/min
Nlim (grease)	3,400 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.64 Hz
Characteristic outer ring frequency, BPF0	4.36 Hz
Characteristic inner ring frequency, BPFI	6.64 Hz

Abutment dimensions

da min	83 mm
da max	99 mm
dc min	112 mm
Da max	167 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$