# Technical data

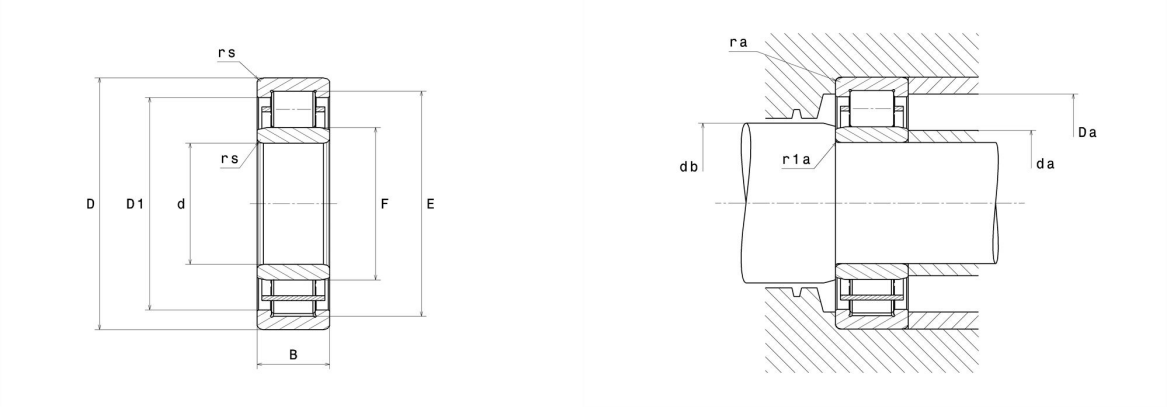
## NU414

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 70 mm |
| **D** | 180 mm |
| **B** | 42 mm |
| **E** | 152 mm |
| **F** | 100 mm |
| **rs min** | 3 mm |
| **r1s min** | 3 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 5.23 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 |
| **db min** | 102 mm |
| **Da max** | 167 mm |
| **ra max** | 2.5 mm |
| **r1a max** | 2.5 mm |

## Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr