# Technical data

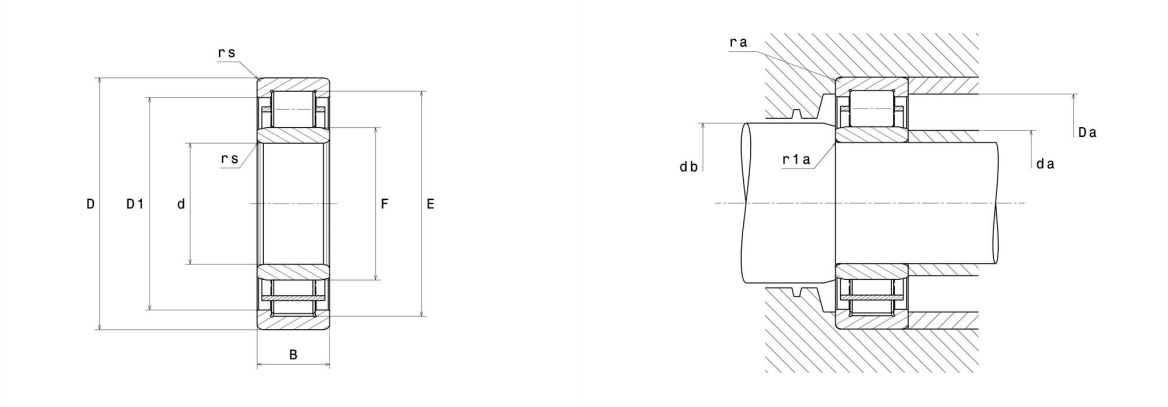
## NU2220C3

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 100 mm |
| **D** | 180 mm |
| **B** | 46 mm |
| **E** | 160 mm |
| **F** | 120 mm |
| **rs min** | 2.1 mm |
| **r1s min** | 2.1 mm |
| **Radial clearance class** | C3 |
| **Mass (without HJ ring)** | 4.57 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 258 kN |
| **Static load, C0** | 340 kN |
| **Fatigue limit load, Cu** | 37.5 kN |
| **Nlim (oil)** | 4,100 Tr/min |
| **Nlim (grease)** | 3,500 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** | 6.86 Hz |
| **Characteristic outer ring frequency, BPF0** | 6.86 Hz |
| **Characteristic inner ring frequency, BPFI** | 9.14 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 111 mm |
| **da max** | 117 mm |
| **db min** | 122 mm |
| **Da max** | 169 mm |
| **ra max** | 2 mm |
| **r1a max** | 2 mm |

## Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr