# Technical data

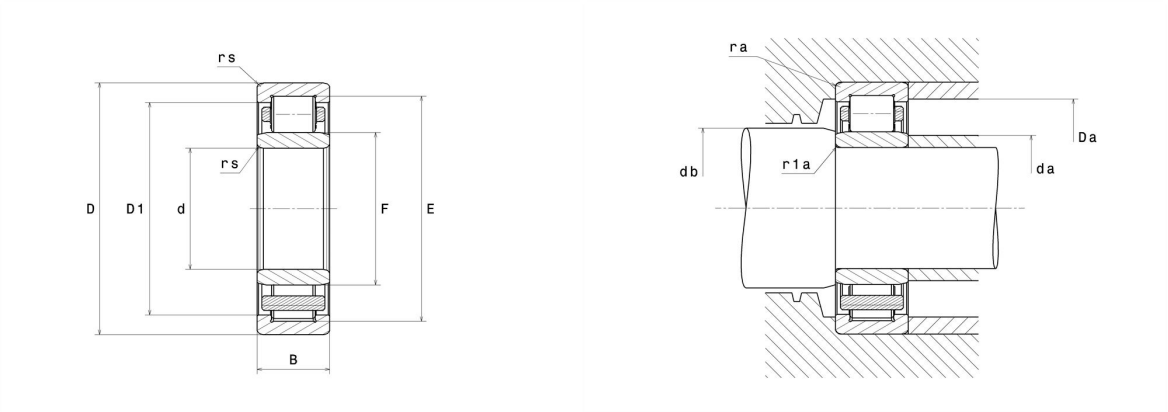
## NU312ET2X

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, polyamide cage



## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 60 mm |
| **D** | 130 mm |
| **B** | 31 mm |
| **E** | 115 mm |
| **F** | 77 mm |
| **rs min** | 2.1 mm |
| **r1s min** | 2.1 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 1.84 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 150 kN |
| **Static load, C0** | 157 kN |
| **Fatigue limit load, Cu** | 19.1 kN |
| **Nlim (oil)** | 5,800 Tr/min |
| **Nlim (grease)** | 4,900 Tr/min |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.4 Hz |
| **Characteristic rolling element frequency, BSF** | 4.86 Hz |
| **Characteristic outer ring frequency, BPF0** | 5.21 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.79 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 71 mm |
| **da max** | 75 mm |
| **db min** | 79 mm |
| **Da max** | 119 mm |
| **ra max** | 2 mm |
| **r1a max** | 2 mm |

## Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr