# Technical data

## NUP310EAT2XU

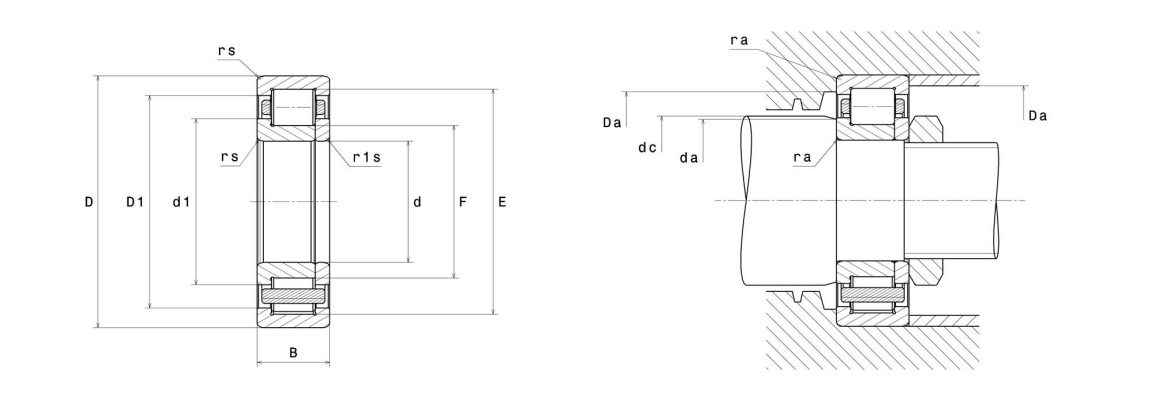
Single row cylindrical roller bearings



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

ULTAGE

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 50 mm |
| **D** | 110 mm |
| **B** | 27 mm |
| **E** | 97 mm |
| **F** | 65 mm |
| **d1** | 71.4 mm |
| **D1** | 91 mm |
| **rs min** | 2 mm |
| **r1s min** | 2 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 1.19 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 130 kN |
| **Static load, C0** | 113 kN |
| **Nlim (oil)** | 8,300 Tr/min |
| **Nlim (grease)** | 5,900 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** | 5.22 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.78 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 59 mm |
| **dc min** | 73 mm |
| **Da max** | 101 mm |
| **ra max** | 2 mm |
| **r1a max** | 2 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$