# Technical data

## NJ307EAT2X

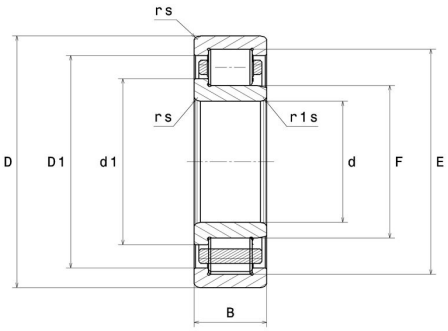
Single row cylindrical roller bearings

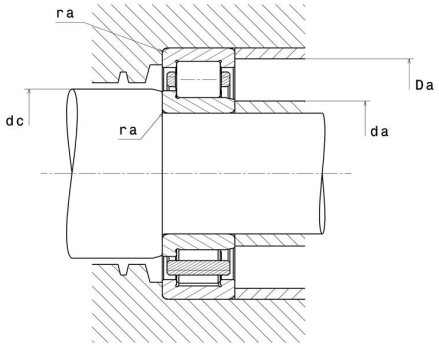


Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

ULTAGE

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 35 mm |
| **D** | 80 mm |
| **B** | 21 mm |
| **E** | 70.2 mm |
| **F** | 46.2 mm |
| **d1** | 51 mm |
| **rs min** | 1.5 mm |
| **r1s min** | 1.1 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 0.5 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 83.5 kN |
| **Static load, C0** | 71 kN |
| **Nlim (oil)** | 11,500 Tr/min |
| **Nlim (grease)** | 8,100 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** | 4.64 Hz |
| **Characteristic outer ring frequency, BPF0** | 5.16 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.84 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 41.5 mm |
| **da max** | 45 mm |
| **dc min** | 53 mm |
| **Da max** | 72 mm |
| **ra max** | 1.5 mm |
| **r1a max** | 1 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$