# Technical data

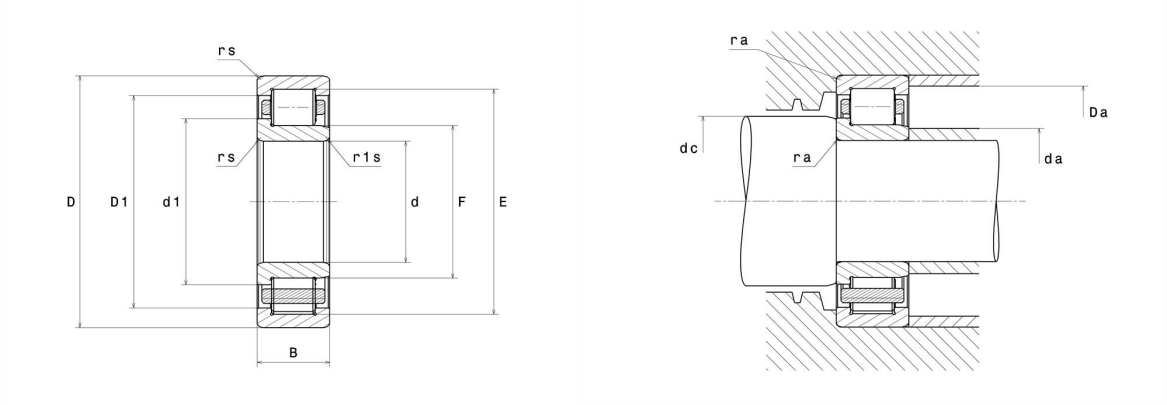
## NJ214ET2XC3

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 70 mm |
| **D** | 125 mm |
| **B** | 24 mm |
| **E** | 113.5 mm |
| **F** | 83.5 mm |
| **d1** | 89.5 mm |
| **rs min** | 1.5 mm |
| **r1s min** | 1.5 mm |
| **Radial clearance class** | C3 |
| **Mass (without HJ ring)** | 1.3 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 119 kN |
| **Static load, C0** | 137 kN |
| **Fatigue limit load, Cu** | 16.7 kN |
| **Nlim (oil)** | 5,900 Tr/min |
| **Nlim (grease)** | 5,000 Tr/min |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.42 Hz |
| **Characteristic rolling element frequency, BSF** | 6.41 Hz |
| **Characteristic outer ring frequency, BPF0** | 7.21 Hz |
| **Characteristic inner ring frequency, BPFI** | 9.79 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 78 mm |
| **da max** | 82 mm |
| **dc min** | 92 mm |
| **Da max** | 117 mm |
| **ra max** | 1.5 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$