# Technical data

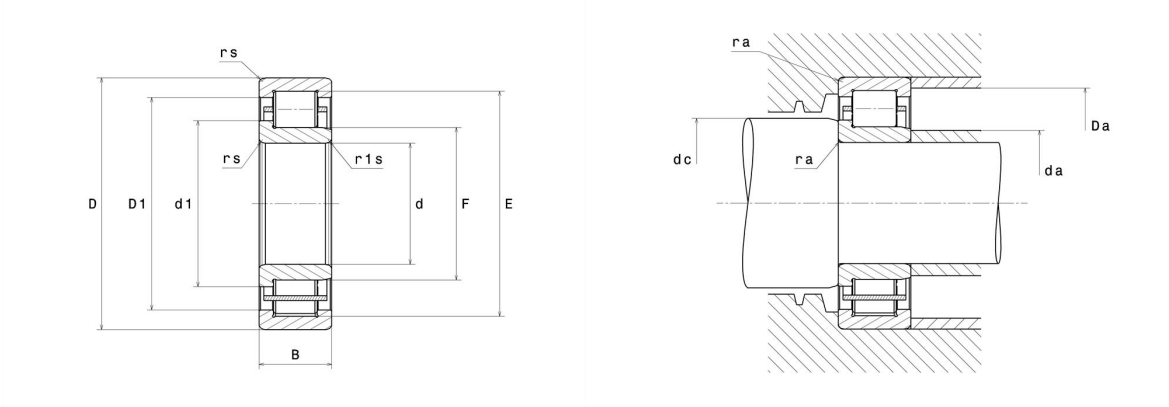
## NJ2311

Single row cylindrical roller bearings

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



## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 55 mm |
| **D** | 120 mm |
| **B** | 43 mm |
| **E** | 104.5 mm |
| **F** | 70.5 mm |
| **d1** | 77.2 mm |
| **rs min** | 2 mm |
| **r1s min** | 2 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 2.23 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 148 kN |
| **Static load, C0** | 162 kN |
| **Fatigue limit load, Cu** | 19.8 kN |
| **Nlim (oil)** | 6,100 Tr/min |
| **Nlim (grease)** | 5,200 Tr/min |
| **Min operating temperature, Tmin** | -40 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.4 Hz |
| **Characteristic rolling element frequency, BSF** | 4.95 Hz |
| **Characteristic outer ring frequency, BPF0** | 4.83 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.17 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 64 mm |
| **da max** | 69 mm |
| **dc min** | 80 mm |
| **Da max** | 111 mm |
| **ra max** | 2 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$