# Technical datasheet

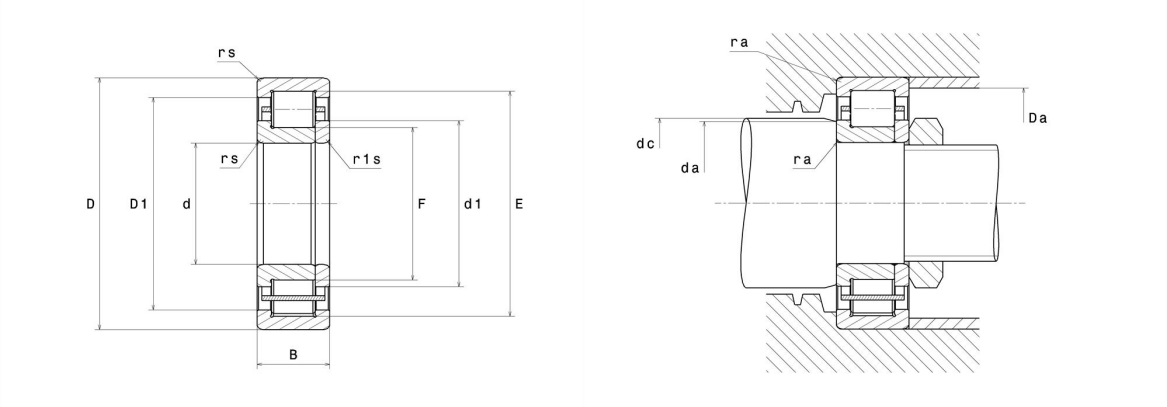
## NUP230

Single row cylindrical roller bearings

Single row cylindrical roller bearing, locating, separable, pressed steel cage



## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 150 mm |
| **D** | 270 mm |
| **B** | 45 mm |
| **E** | 238 mm |
| **F** | 182 mm |
| **d1** | 193 mm |
| **rs min** | 3 mm |
| **r1s min** | 3 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 10.8 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 345 kN |
| **Static load, C0** | 435 kN |
| **Fatigue limit load, Cu** | 42.5 kN |
| **Nlim (oil)** | 2,900 rpm |
| **Nlim (grease)** | 2,500 rpm |
| **Min operating temperature, Tmin** | -40 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.43 Hz |
| **Characteristic rolling element frequency, BSF** | 7.37 Hz |
| **Characteristic outer ring frequency, BPF0** | 6.93 Hz |
| **Characteristic inner ring frequency, BPFI** | 9.07 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 163 mm |
| **dc min** | 196 mm |
| **Da max** | 257 mm |
| **ra max** | 2.5 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$