# Technical datasheet

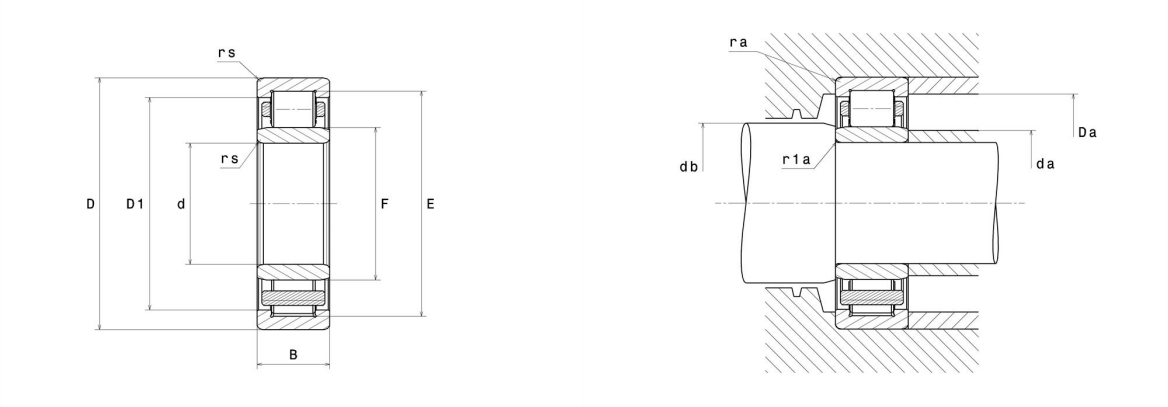
## NU205EG15

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 25 mm |
| **D** | 52 mm |
| **B** | 15 mm |
| **E** | 46.5 mm |
| **F** | 31.5 mm |
| **D1** | 43.8 mm |
| **rs min** | 1 mm |
| **r1s min** | 0.6 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 0.14 kg |
| **Brand** | SNR |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 28.5 kN |
| **Static load, C0** | 26.7 kN |
| **Fatigue limit load, Cu** | 3.25 kN |
| **Nref** | 12,000 rpm |
| **Nlim** | 17,000 rpm |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.4 Hz |
| **Characteristic rolling element frequency, BSF** | 5.01 Hz |
| **Characteristic outer ring frequency, BPF0** | 5.25 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.75 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 29 mm |
| **da max** | 31 mm |
| **Da max** | 47 mm |
| **ra max** | 1 mm |
| **r1a max** | 0.6 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$