# Technical datasheet

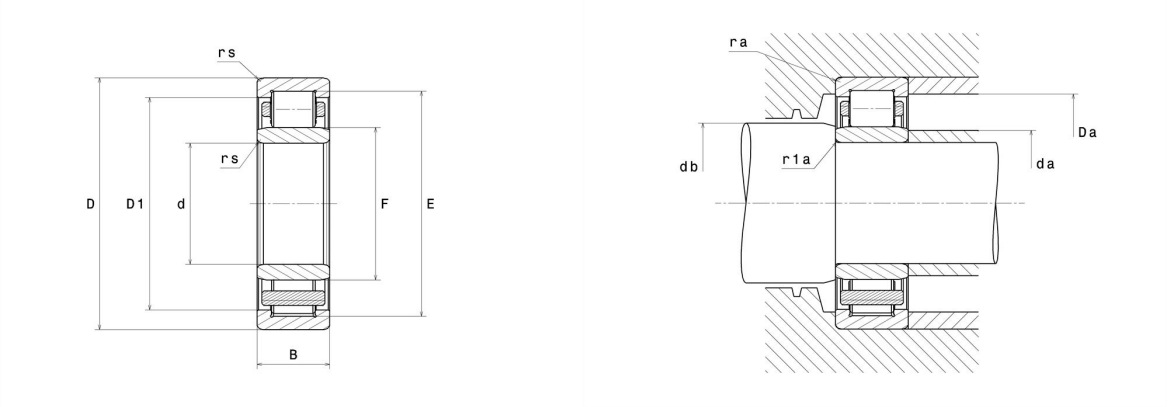
## NU.309.E.G15

Single row cylindrical roller bearings

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



## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 45 mm |
| **D** | 100 mm |
| **B** | 25 mm |
| **E** | 88.5 mm |
| **F** | 58.5 mm |
| **D1** | 84.1 mm |
| **rs min** | 1.5 mm |
| **r1s min** | 1.5 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 0.89 kg |
| **Brand** | SNR |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 97.4 kN |
| **Static load, C0** | 98.3 kN |
| **Fatigue limit load, Cu** | 12 kN |
| **Nref** | 6,300 rpm |
| **Nlim** | 8,500 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** | 4.7 Hz |
| **Characteristic outer ring frequency, BPF0** | 5.17 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.83 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 53 mm |
| **da max** | 57 mm |
| **Da max** | 92 mm |
| **ra max** | 1.5 mm |
| **r1a max** | 1.5 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$