# Technical datasheet

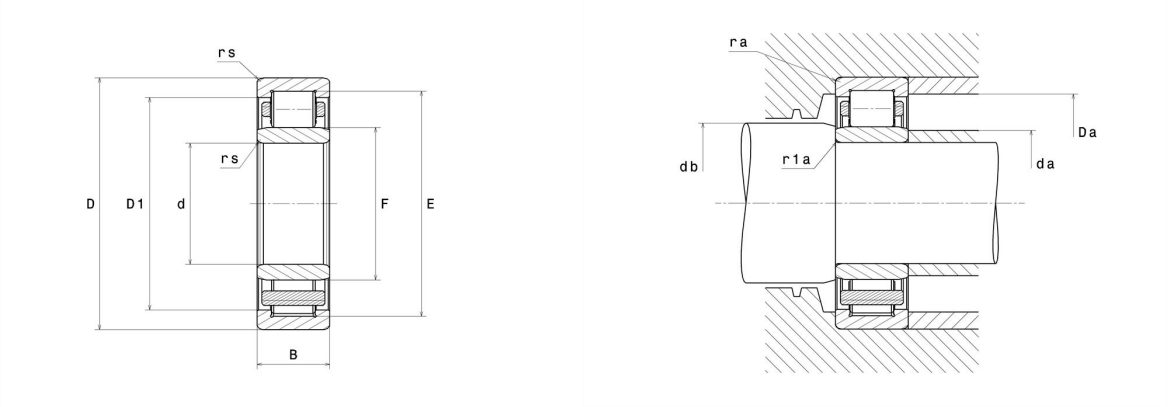
## NU.303.EG15J30

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 17 mm |
| **D** | 47 mm |
| **B** | 14 mm |
| **E** | 40.2 mm |
| **F** | 24.2 mm |
| **D1** | 37.1 mm |
| **rs min** | 1 mm |
| **r1s min** | 0.6 mm |
| **Radial clearance class** | C3 |
| **Mass (without HJ ring)** | 0.12 kg |
| **Brand** | SNR |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 24.6 kN |
| **Static load, C0** | 20.4 kN |
| **Fatigue limit load, Cu** | 2.49 kN |
| **Nref** | 13,000 rpm |
| **Nlim** | 20,000 rpm |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.38 Hz |
| **Characteristic rolling element frequency, BSF** | 3.78 Hz |
| **Characteristic outer ring frequency, BPF0** | 3.76 Hz |
| **Characteristic inner ring frequency, BPFI** | 6.24 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 21 mm |
| **da max** | 23 mm |
| **Da max** | 42 mm |
| **ra max** | 1 mm |
| **r1a max** | 0.6 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$