# Technical data

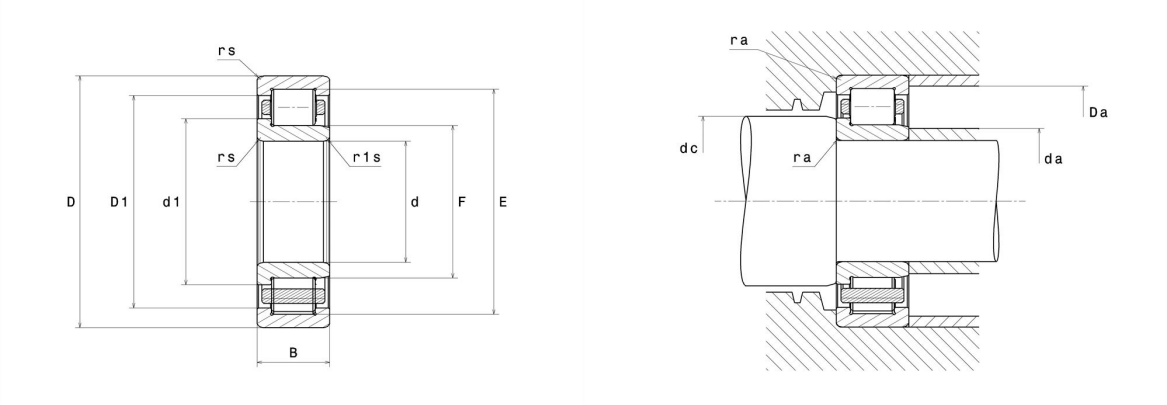
## NJ.224.E.G15

Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 120 mm |
| **D** | 215 mm |
| **B** | 40 mm |
| **E** | 195.5 mm |
| **F** | 143.5 mm |
| **d1** | 153.2 mm |
| **D1** | 187.8 mm |
| **rs min** | 2.1 mm |
| **r1s min** | 2.1 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 5.9 kg |
| **Brand** | SNR |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 339 kN |
| **Static load, C0** | 428 kN |
| **Fatigue limit load, Cu** | 44.6 kN |
| **Nref** | 3,000 Tr/min |
| **Nlim** | 3,700 Tr/min |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.42 Hz |
| **Characteristic rolling element frequency, BSF** | 6.37 Hz |
| **Characteristic outer ring frequency, BPF0** | 7.2 Hz |
| **Characteristic inner ring frequency, BPFI** | 9.8 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 131 mm |
| **da max** | 141 mm |
| **db min** | 146 mm |
| **dc min** | 156 mm |
| **Da max** | 204 mm |
| **ra max** | 2 mm |
| **r1a max** | 2 mm |

## Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$