



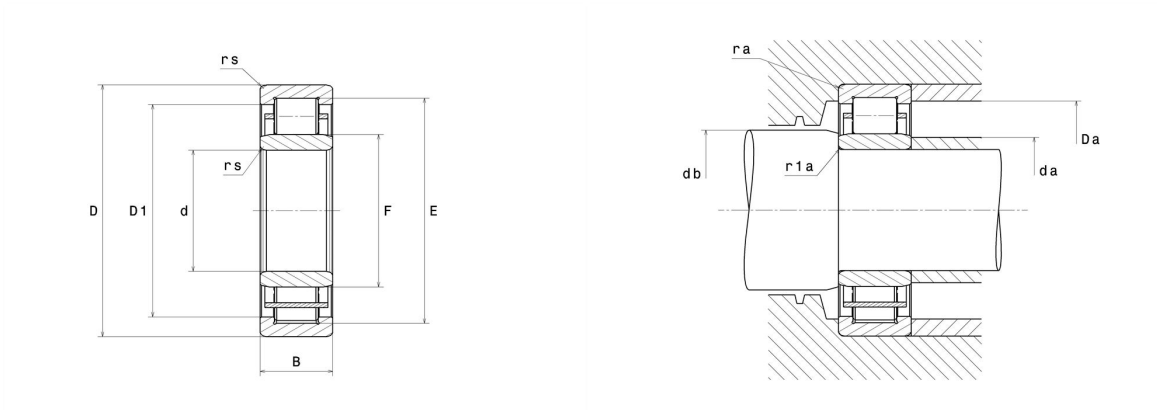
## Technical datasheet

### NU217

Single row cylindrical roller bearings

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

#### Visual(s)



#### Product definition

|                               |          |
|-------------------------------|----------|
| <b>d</b>                      | 85 mm    |
| <b>D</b>                      | 150 mm   |
| <b>B</b>                      | 28 mm    |
| <b>E</b>                      | 133.8 mm |
| <b>F</b>                      | 101.8 mm |
| <b>rs min</b>                 | 2 mm     |
| <b>r1s min</b>                | 2 mm     |
| <b>Radial clearance class</b> | CN       |
| <b>Mass (without HJ ring)</b> | 1.87 kg  |
| <b>Brand</b>                  | NTN      |

#### Product performance

|                                                      |              |
|------------------------------------------------------|--------------|
| <b>Dynamic load, C</b>                               | 120 kN       |
| <b>Static load, C0</b>                               | 140 kN       |
| <b>Fatigue limit load, Cu</b>                        | 16.3 kN      |
| <b>Nlim (oil)</b>                                    | 5,300 Tr/min |
| <b>Nlim (grease)</b>                                 | 4,500 Tr/min |
| <b>Min operating temperature, Tmin</b>               | -40 °C       |
| <b>Max operating temperature, Tmax</b>               | 120 °C       |
| <b>Characteristic cage frequency, FTF</b>            | 0.43 Hz      |
| <b>Characteristic rolling element frequency, BSF</b> | 7.23 Hz      |
| <b>Characteristic outer ring frequency, BPF0</b>     | 6.91 Hz      |
| <b>Characteristic inner ring frequency, BPI</b>      | 9.09 Hz      |

## Abutment dimensions

|                |        |
|----------------|--------|
| <b>da min</b>  | 94 mm  |
| <b>da max</b>  | 99 mm  |
| <b>db min</b>  | 104 mm |
| <b>Da max</b>  | 141 mm |
| <b>ra max</b>  | 2 mm   |
| <b>r1a max</b> | 2 mm   |

## Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$