



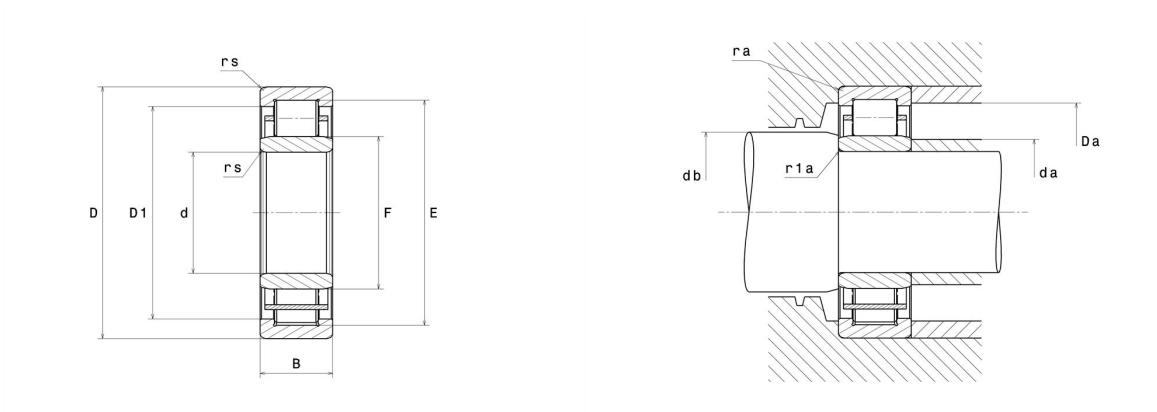
## Technical datasheet

### NU2318

Single row cylindrical roller bearings

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

#### Visual(s)



#### Product definition

|                               |        |
|-------------------------------|--------|
| <b>d</b>                      | 90 mm  |
| <b>D</b>                      | 190 mm |
| <b>B</b>                      | 64 mm  |
| <b>E</b>                      | 165 mm |
| <b>F</b>                      | 115 mm |
| <b>rs min</b>                 | 3 mm   |
| <b>r1s min</b>                | 3 mm   |
| <b>Radial clearance class</b> | CN     |
| <b>Mass (without HJ ring)</b> | 8.1 kg |
| <b>Brand</b>                  | NTN    |

#### Product performance

|                                        |           |
|----------------------------------------|-----------|
| <b>Dynamic load, C</b>                 | 325 kN    |
| <b>Static load, C0</b>                 | 395 kN    |
| <b>Fatigue limit load, Cu</b>          | 43.5 kN   |
| <b>Nlim (oil)</b>                      | 3,800 rpm |
| <b>Nlim (grease)</b>                   | 3,200 rpm |
| <b>Min operating temperature, Tmin</b> | -40 °C    |
| <b>Max operating temperature, Tmax</b> | 120 °C    |

## Abutment dimensions

|                |        |
|----------------|--------|
| <b>da min</b>  | 103 mm |
| <b>da max</b>  | 111 mm |
| <b>db min</b>  | 117 mm |
| <b>Da max</b>  | 177 mm |
| <b>ra max</b>  | 2.5 mm |
| <b>r1a max</b> | 2.5 mm |

## Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$