



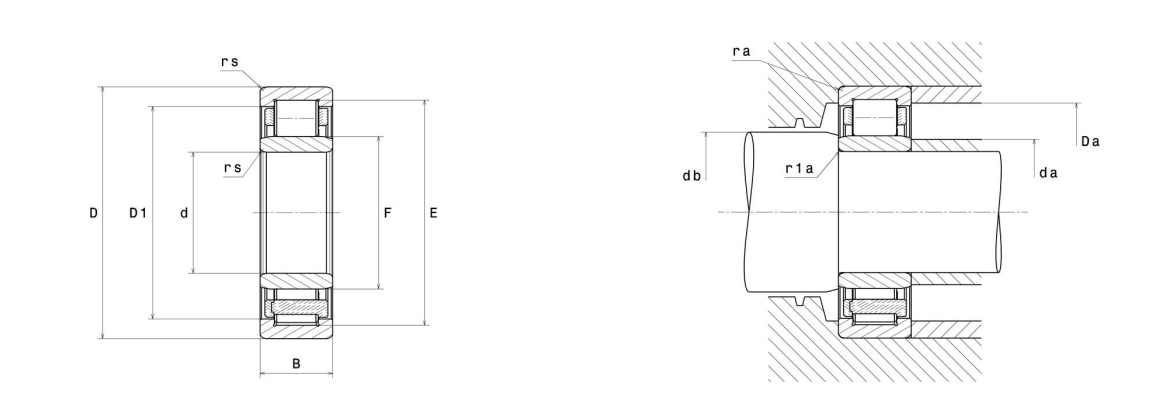
## Technical datasheet

### NU308G1

Single row cylindrical roller bearings

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

#### Visual(s)



#### Product definition

|                               |         |
|-------------------------------|---------|
| <b>d</b>                      | 40 mm   |
| <b>D</b>                      | 90 mm   |
| <b>B</b>                      | 23 mm   |
| <b>E</b>                      | 77.5 mm |
| <b>F</b>                      | 53.5 mm |
| <b>rs min</b>                 | 1.5 mm  |
| <b>r1s min</b>                | 1.5 mm  |
| <b>Radial clearance class</b> | CN      |
| <b>Mass (without HJ ring)</b> | 0.69 kg |
| <b>Brand</b>                  | NTN     |

#### Product performance

|                                        |              |
|----------------------------------------|--------------|
| <b>Dynamic load, C</b>                 | 58.5 kN      |
| <b>Static load, C0</b>                 | 57 kN        |
| <b>Fatigue limit load, Cu</b>          | 7 kN         |
| <b>Nlim (oil)</b>                      | 9,400 Tr/min |
| <b>Nlim (grease)</b>                   | 8,000 Tr/min |
| <b>Min operating temperature, Tmin</b> | -40 °C       |
| <b>Max operating temperature, Tmax</b> | 120 °C       |

## Abutment dimensions

|                |        |
|----------------|--------|
| <b>da min</b>  | 48 mm  |
| <b>da max</b>  | 51 mm  |
| <b>db min</b>  | 55 mm  |
| <b>Da max</b>  | 82 mm  |
| <b>ra max</b>  | 1.5 mm |
| <b>r1a max</b> | 1.5 mm |

## Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$