



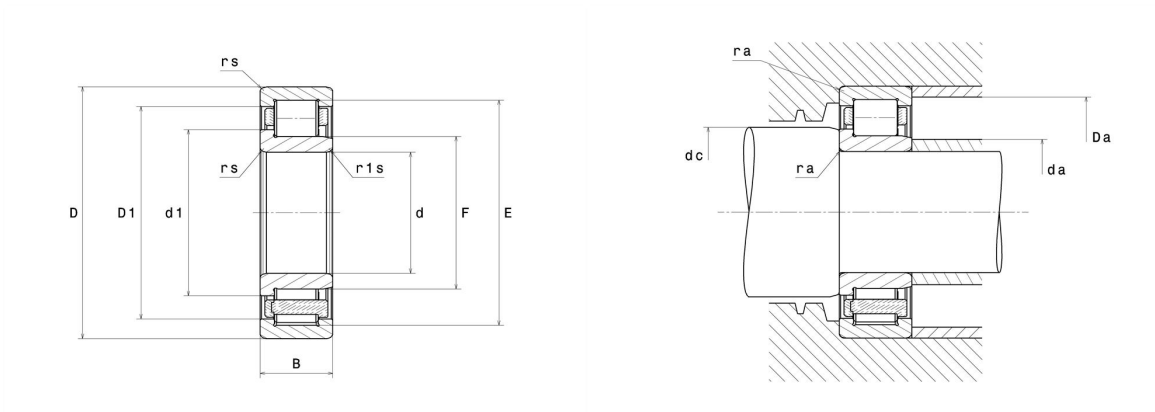
## Technical datasheet

### NJ1016

Single row cylindrical roller bearings

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

#### Visual(s)



#### Product definition

|                               |          |
|-------------------------------|----------|
| <b>d</b>                      | 80 mm    |
| <b>D</b>                      | 125 mm   |
| <b>B</b>                      | 22 mm    |
| <b>E</b>                      | 113.5 mm |
| <b>F</b>                      | 91.5 mm  |
| <b>d1</b>                     | 95.9 mm  |
| <b>rs min</b>                 | 1.1 mm   |
| <b>r1s min</b>                | 1 mm     |
| <b>Radial clearance class</b> | CN       |
| <b>Mass (without HJ ring)</b> | 1 kg     |
| <b>Brand</b>                  | NTN      |

#### Product performance

|                                        |           |
|----------------------------------------|-----------|
| <b>Dynamic load, C</b>                 | 72.5 kN   |
| <b>Static load, C0</b>                 | 90.5 kN   |
| <b>Fatigue limit load, Cu</b>          | 11 kN     |
| <b>Nlim (oil)</b>                      | 6,700 rpm |
| <b>Nlim (grease)</b>                   | 5,700 rpm |
| <b>Min operating temperature, Tmin</b> | -40 °C    |
| <b>Max operating temperature, Tmax</b> | 120 °C    |

## Abutment dimensions

|               |          |
|---------------|----------|
| <b>da min</b> | 86.5 mm  |
| <b>da max</b> | 90 mm    |
| <b>dc min</b> | 97 mm    |
| <b>Da max</b> | 118.5 mm |
| <b>ra max</b> | 1 mm     |

## Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$