



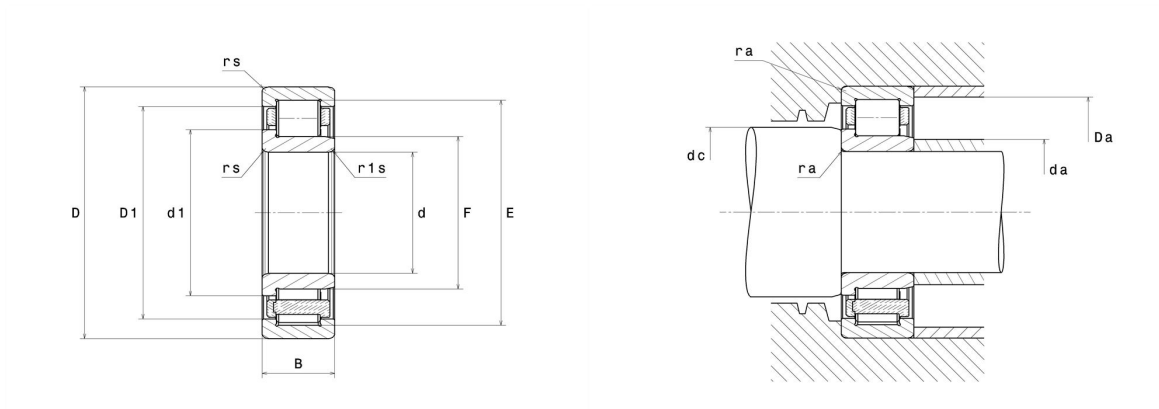
## Technical datasheet

### NJ2212EG1

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>                      | 60 mm   |
| <b>D</b>                      | 110 mm  |
| <b>B</b>                      | 28 mm   |
| <b>E</b>                      | 100 mm  |
| <b>F</b>                      | 72 mm   |
| <b>d1</b>                     | 77.6 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> | 1.14 kg |
| <b>Brand</b>                  | NTN     |

## Product performance

|                                                      |           |
|------------------------------------------------------|-----------|
| <b>Dynamic load, C</b>                               | 131 kN    |
| <b>Static load, C0</b>                               | 157 kN    |
| <b>Fatigue limit load, Cu</b>                        | 19.1 kN   |
| <b>Nlim (oil)</b>                                    | 6,100 rpm |
| <b>Nlim (grease)</b>                                 | 5,200 rpm |
| <b>Min operating temperature, Tmin</b>               | -40 °C    |
| <b>Max operating temperature, Tmax</b>               | 120 °C    |
| <b>Characteristic cage frequency, FTF</b>            | 0.42 Hz   |
| <b>Characteristic rolling element frequency, BSF</b> | 5.98 Hz   |
| <b>Characteristic outer ring frequency, BPF0</b>     | 6.7 Hz    |
| <b>Characteristic inner ring frequency, BPFI</b>     | 9.3 Hz    |

## Abutment dimensions

|               |        |
|---------------|--------|
| <b>da min</b> | 68 mm  |
| <b>da max</b> | 71 mm  |
| <b>dc min</b> | 80 mm  |
| <b>Da max</b> | 102 mm |
| <b>ra max</b> | 1.5 mm |

## Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$