



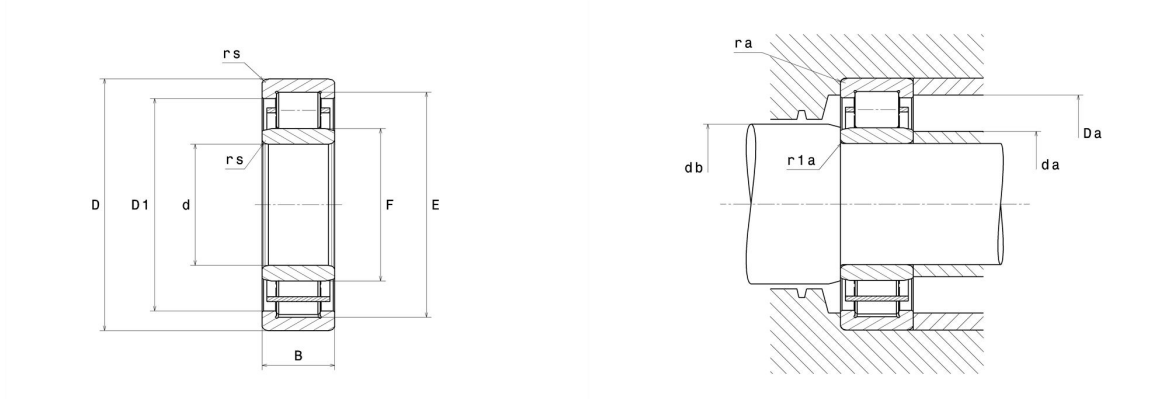
## Technical data

### NU2209

Single row cylindrical roller bearings

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

#### Visual(s)



#### Product definition

<b>d</b>	45 mm
<b>D</b>	85 mm
<b>B</b>	23 mm
<b>E</b>	75 mm
<b>F</b>	55 mm
<b>rs min</b>	1.1 mm
<b>r1s min</b>	1.1 mm
<b>Radial clearance class</b>	CN
<b>Mass (without HJ ring)</b>	0.55 kg
<b>Brand</b>	NTN

#### Product performance

<b>Dynamic load, C</b>	61.5 kN
<b>Static load, C0</b>	68 kN
<b>Fatigue limit load, Cu</b>	8.3 kN
<b>Nlim (oil)</b>	9,000 Tr/min
<b>Nlim (grease)</b>	7,600 Tr/min
<b>Min operating temperature, Tmin</b>	-40 °C
<b>Max operating temperature, Tmax</b>	120 °C
<b>Characteristic cage frequency, FTF</b>	0.42 Hz
<b>Characteristic rolling element frequency, BSF</b>	6.35 Hz
<b>Characteristic outer ring frequency, BPF0</b>	5.92 Hz
<b>Characteristic inner ring frequency, BPFI</b>	8.08 Hz

## Abutment dimensions

<b>da min</b>	51.5 mm
<b>da max</b>	54 mm
<b>db min</b>	57 mm
<b>Da max</b>	78.5 mm
<b>ra max</b>	1 mm
<b>r1a max</b>	1 mm

## Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$