# Technical data

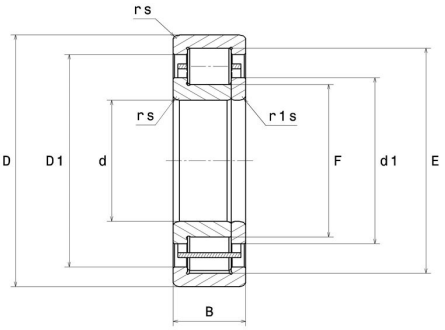
## NUP318

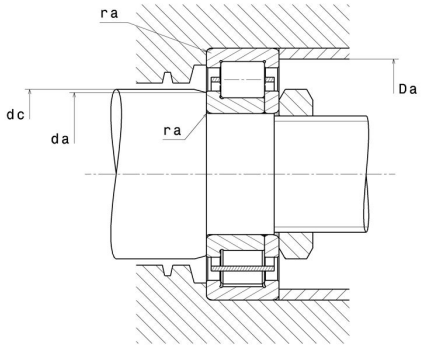
Single row cylindrical roller bearings



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

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 90 mm |
| **D** | 190 mm |
| **B** | 43 mm |
| **E** | 165 mm |
| **F** | 115 mm |
| **d1** | 125 mm |
| **rs min** | 3 mm |
| **r1s min** | 3 mm |
| **Radial clearance class** | CN |
| **Mass (without HJ ring)** | 6.5 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 240 kN |
| **Static load, C0** | 265 kN |
| **Fatigue limit load, Cu** | 29.2 kN |
| **Nlim (oil)** | 4,300 Tr/min |
| **Nlim (grease)** | 3,700 Tr/min |
| **Min operating temperature, Tmin** | -40 °C |
| **Max operating temperature, Tmax** | 120 °C |

## Abutment dimensions

| | |
|---|---|
| **da min** | 103 mm |
| **dc min** | 127 mm |
| **Da max** | 177 mm |
| **ra max** | 2.5 mm |

## Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr