

## PDF technical sheet NUP315C3

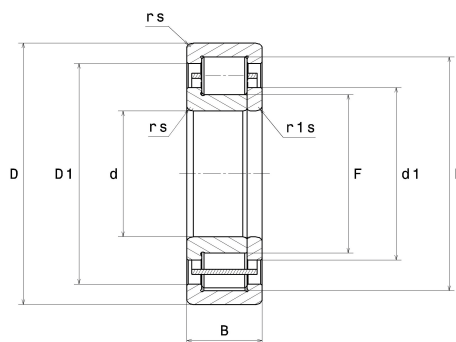


### Single row cylindrical roller bearings

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

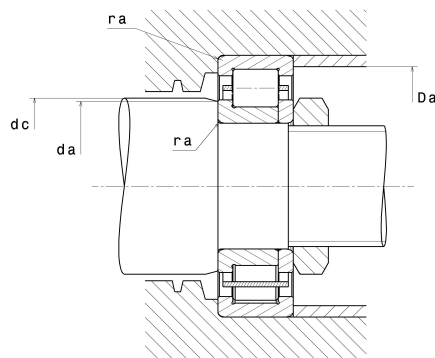
#### Product definition

|                        |          |
|------------------------|----------|
| d                      | 2.9528 " |
| D                      | 6.2992 " |
| B                      | 1.4567 " |
| E                      | 5.4921 " |
| F                      | 3.7598 " |
| d1                     | 4.1024 " |
| rs min                 | 0.0827 " |
| r1s min                | 0.0827 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 12.11 oz |
| Brand                  | NTN      |



#### Product performance

|                                 |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 190 kN    |
| Static load, C0                 | 205 kN    |
| Fatigue limit load, Cu          | 23.80 kN  |
| Nlim (oil)                      | 5,200 RPM |
| Nlim (grease)                   | 4,400 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



#### Abutment dimensions

|        |          |
|--------|----------|
| da min | 3.3858 " |
| dc min | 4.1732 " |
| Da max | 5.8661 " |
| ra max | 0.0787 " |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$