

## PDF technical sheet NU310



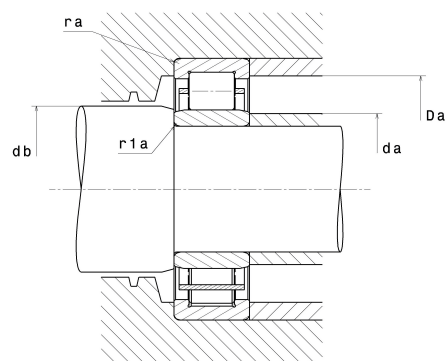
### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 1.9685 " |
| D                      | 4.3307 " |
| B                      | 1.0630 " |
| E                      | 3.7402 " |
| F                      | 2.5591 " |
| rs min                 | 0.0787 " |
| r1s min                | 0.0787 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 3.98 oz  |
| Brand                  | NTN      |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 87 kN     |
| Static load, C0                 | 86 kN     |
| Fatigue limit load, Cu          | 10.50 kN  |
| Nlim (oil)                      | 7,700 RPM |
| Nlim (grease)                   | 6,500 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 2.3228 " |
| da max              | 2.4803 " |
| db min              | 2.6378 " |
| Da max              | 3.9764 " |
| ra max              | 0.0787 " |
| r1a max             | 0.0787 " |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$