

## PDF technical sheet NU1022C3



### Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, brass cage

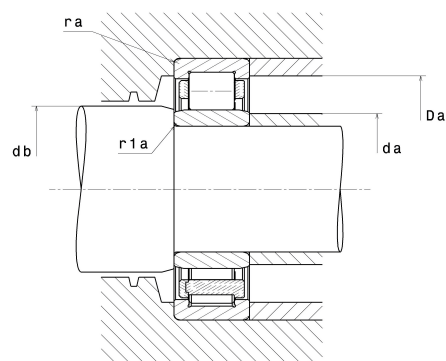
#### Product definition

|                        |          |
|------------------------|----------|
| d                      | 4.3307 " |
| D                      | 6.6929 " |
| B                      | 1.1024 " |
| E                      | 6.1024 " |
| F                      | 4.9213 " |
| rs min                 | 0.0787 " |
| r1s min                | 0.0433 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 8.01 oz  |
| Brand                  | NTN      |



#### Product performance

|                                 |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 131 kN    |
| Static load, C0                 | 174 kN    |
| Fatigue limit load, Cu          | 19.20 kN  |
| Nlim (oil)                      | 4,800 RPM |
| Nlim (grease)                   | 4,100 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



#### Abutment dimensions

|         |          |
|---------|----------|
| da min  | 4.5866 " |
| da max  | 4.8819 " |
| db min  | 5.0394 " |
| Da max  | 6.3386 " |
| ra max  | 0.0787 " |
| r1a max | 0.0394 " |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$