

## PDF technical sheet NU1052



### Single row cylindrical roller bearings

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

| Product definition     |           |
|------------------------|-----------|
| d                      | 10.2362 " |
| D                      | 15.7480 " |
| B                      | 2.5591 "  |
| E                      | 14.3307 " |
| F                      | 11.6535 " |
| rs min                 | 0.1575 "  |
| r1s min                | 0.1575 "  |
| Radial clearance class | CN        |
| Mass (without HJ ring) | 103.35 oz |
| Brand                  | NTN       |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 645 kN    |
| Static load, C0                 | 1,000 kN  |
| Fatigue limit load, Cu          | 85.20 kN  |
| Nlim (oil)                      | 1,900 RPM |
| Nlim (grease)                   | 1,600 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |           |
|---------------------|-----------|
| da min              | 10.8661 " |
| da max              | 11.4961 " |
| db min              | 11.8110 " |
| Da max              | 15.1181 " |
| ra max              | 0.1181 "  |
| r1a max             | 0.1181 "  |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$