

## PDF technical sheet NU1038



### Single row cylindrical roller bearings

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

| Product definition     |           |
|------------------------|-----------|
| d                      | 7.4803 "  |
| D                      | 11.4173 " |
| B                      | 1.8110 "  |
| E                      | 10.4331 " |
| F                      | 8.4646 "  |
| rs min                 | 0.0827 "  |
| r1s min                | 0.0827 "  |
| Radial clearance class | CN        |
| Mass (without HJ ring) | 40.97 oz  |
| Brand                  | NTN       |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 350 kN    |
| Static load, C0                 | 510 kN    |
| Fatigue limit load, Cu          | 47.80 kN  |
| Nlim (oil)                      | 2,700 RPM |
| Nlim (grease)                   | 2,300 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |           |
|---------------------|-----------|
| da min              | 7.9134 "  |
| da max              | 8.3858 "  |
| db min              | 8.6220 "  |
| Da max              | 10.9843 " |
| ra max              | 0.0787 "  |
| r1a max             | 0.0787 "  |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$