

## PDF technical sheet NUP1009G1U



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 1.7717 " |
| D                      | 2.9528 " |
| B                      | 0.6299 " |
| E                      | 2.6575 " |
| F                      | 2.0669 " |
| d1                     | 2.1850 " |
| rs min                 | 0.0394 " |
| r1s min                | 0.0236 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 0.99 oz  |
| Brand                  | NTN      |



| Product performance             |            |
|---------------------------------|------------|
| Dynamic load, C                 | 31 kN      |
| Static load, C0                 | 34 kN      |
| Fatigue limit load, Cu          | 4.15 kN    |
| Nlim (oil)                      | 12,000 RPM |
| Nlim (grease)                   | 9,900 RPM  |
| Min operating temperature, Tmin | -40 °C     |
| Max operating temperature, Tmax | 248 °C     |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 1.9685 " |
| dc min              | 2.2047 " |
| Da max              | 2.7559 " |
| ra max              | 0.0394 " |

### Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$