

## PDF technical sheet NU1020G1C3



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 3.9370 " |
| D                      | 5.9055 " |
| B                      | 0.9449 " |
| E                      | 5.3937 " |
| F                      | 4.4488 " |
| rs min                 | 0.0591 " |
| r1s min                | 0.0433 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 4.89 oz  |
| Brand                  | NTN      |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 93 kN     |
| Static load, C0                 | 126 kN    |
| Fatigue limit load, Cu          | 14.40 kN  |
| Nlim (oil)                      | 5,400 RPM |
| Nlim (grease)                   | 4,600 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 4.1929 " |
| da max              | 4.3701 " |
| db min              | 4.5669 " |
| Da max              | 5.5906 " |
| ra max              | 0.0591 " |
| r1a max             | 0.0394 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$