

## PDF technical sheet NU2207EG1C3



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 1.3780 " |
| D                      | 2.8346 " |
| B                      | 0.9055 " |
| E                      | 2.5197 " |
| F                      | 1.7323 " |
| rs min                 | 0.0433 " |
| r1s min                | 0.0236 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 1.60 oz  |
| Brand                  | NTN      |



| Product performance                           |            |
|-----------------------------------------------|------------|
| Dynamic load, C                               | 61.50 kN   |
| Static load, C0                               | 65.50 kN   |
| Fatigue limit load, Cu                        | 8 kN       |
| Nlim (oil)                                    | 10,000 RPM |
| Nlim (grease)                                 | 8,500 RPM  |
| Min operating temperature, Tmin               | -40 °C     |
| Max operating temperature, Tmax               | 248 °C     |
| Characteristic cage frequency, FTF            | 0.41 Hz    |
| Characteristic rolling element frequency, BSF | 5.22 Hz    |
| Characteristic outer ring frequency, BPF0     | 5.70 Hz    |
| Characteristic inner ring frequency, BPFI     | 8.30 Hz    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 1.5354 " |
| da max              | 1.6929 " |
| db min              | 1.8110 " |
| Da max              | 2.5787 " |
| ra max              | 0.0394 " |
| r1a max             | 0.0236 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$