

## PDF technical sheet NU2232EG1



### Single row cylindrical roller bearings

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

| Product definition     |           |
|------------------------|-----------|
| d                      | 6.2992 "  |
| D                      | 11.4173 " |
| B                      | 3.1496 "  |
| E                      | 10.2756 " |
| F                      | 7.5984 "  |
| rs min                 | 0.1181 "  |
| r1s min                | 0.1181 "  |
| Radial clearance class | CN        |
| Mass (without HJ ring) | 79.72 oz  |
| Brand                  | NTN       |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 810 kN    |
| Static load, C0                               | 1,190 kN  |
| Fatigue limit load, Cu                        | 114 kN    |
| Nlim (oil)                                    | 2,200 RPM |
| Nlim (grease)                                 | 1,900 RPM |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.43 Hz   |
| Characteristic rolling element frequency, BSF | 6.53 Hz   |
| Characteristic outer ring frequency, BPF0     | 7.65 Hz   |
| Characteristic inner ring frequency, BPF1     | 10.35 Hz  |



| Abutment dimensions |           |
|---------------------|-----------|
| da min              | 6.8110 "  |
| da max              | 7.5591 "  |
| db min              | 7.7559 "  |
| Da max              | 10.9055 " |
| ra max              | 0.0984 "  |
| r1a max             | 0.0984 "  |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$