

## PDF technical sheet NJ212ET2XC3



### Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

| Product definition     |          |
|------------------------|----------|
| d                      | 2.3622 " |
| D                      | 4.3307 " |
| B                      | 0.8661 " |
| E                      | 3.9370 " |
| F                      | 2.8346 " |
| d1                     | 3.0551 " |
| rs min                 | 0.0591 " |
| r1s min                | 0.0591 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 2.89 oz  |
| Brand                  | NTN      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 97.50 kN  |
| Static load, C0                               | 107 kN    |
| Fatigue limit load, Cu                        | 13 kN     |
| Nlim (oil)                                    | 6,800 RPM |
| Nlim (grease)                                 | 5,800 RPM |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.42 Hz   |
| Characteristic rolling element frequency, BSF | 5.98 Hz   |
| Characteristic outer ring frequency, BPF0     | 6.70 Hz   |
| Characteristic inner ring frequency, BPF1     | 9.30 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 2.6772 " |
| da max              | 2.7953 " |
| dc min              | 3.1496 " |
| Da max              | 4.0157 " |
| ra max              | 0.0591 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$