

## PDF technical sheet NJ2208ET2X



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 1.5748 " |
| D                      | 3.1496 " |
| B                      | 0.9055 " |
| E                      | 2.8150 " |
| F                      | 1.9488 " |
| d1                     | 2.1220 " |
| rs min                 | 0.0433 " |
| r1s min                | 0.0433 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 1.95 oz  |
| Brand                  | NTN      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 72.50 kN  |
| Static load, C0                               | 77.50 kN  |
| Fatigue limit load, Cu                        | 9.50 kN   |
| Nlim (oil)                                    | 8,900 RPM |
| Nlim (grease)                                 | 7,600 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 | 5.32 Hz   |
| Characteristic outer ring frequency, BPF0     | 5.73 Hz   |
| Characteristic inner ring frequency, BPF1     | 8.27 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 1.8307 " |
| da max              | 1.9291 " |
| dc min              | 2.2047 " |
| Da max              | 2.8937 " |
| ra max              | 0.0394 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$