

## PDF technical sheet NUP2215U



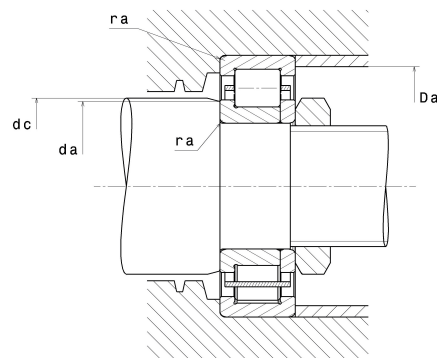
### Single row cylindrical roller bearings

Single row cylindrical roller bearing, locating, separable, pressed steel cage

| Product definition     |          |
|------------------------|----------|
| d                      | 2.9528 " |
| D                      | 5.1181 " |
| B                      | 1.2205 " |
| E                      | 4.5866 " |
| F                      | 3.4843 " |
| d1                     | 3.7008 " |
| rs min                 | 0.0591 " |
| r1s min                | 0.0591 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 5.71 oz  |
| Brand                  | NTN      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 130 kN    |
| Static load, C0                               | 162 kN    |
| Fatigue limit load, Cu                        | 19.60 kN  |
| Nlim (oil)                                    | 5,500 RPM |
| Nlim (grease)                                 | 4,700 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 | 7.19 Hz   |
| Characteristic outer ring frequency, BPF0     | 6.91 Hz   |
| Characteristic inner ring frequency, BPF1     | 9.09 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 3.2677 " |
| dc min              | 3.7795 " |
| Da max              | 4.8031 " |
| ra max              | 0.0591 " |

#### Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$