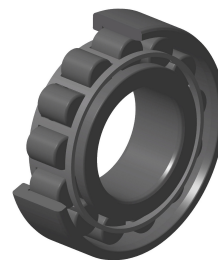


## PDF technical sheet

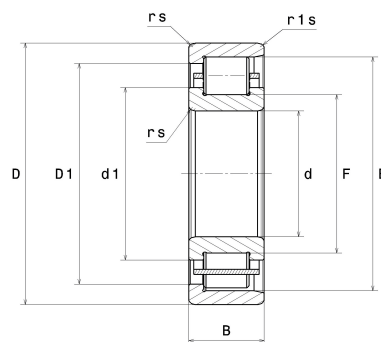
### NF221



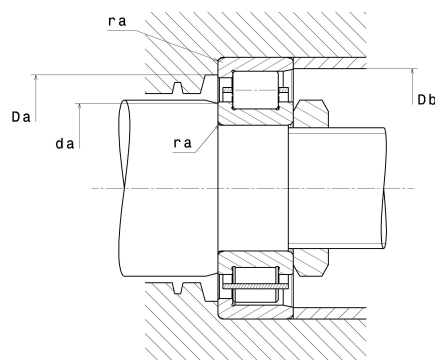
## Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 3.1496 " |
| D                      | 5.5118 " |
| B                      | 1.0236 " |
| E                      | 4.9331 " |
| F                      | 3.7520 " |
| d1                     | 3.9843 " |
| rs min                 | 0.0787 " |
| r1s min                | 0.0787 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 5.34 oz  |
| Brand                  | NTN      |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 106 kN    |
| Static load, C0                 | 122 kN    |
| Fatigue limit load, Cu          | 14.50 kN  |
| Nlim (oil)                      | 5,700 RPM |
| Nlim (grease)                   | 4,800 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 3.5039 " |
| Da max              | 5.1575 " |
| Db min              | 4.9843 " |
| ra max              | 0.0787 " |

### Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$