

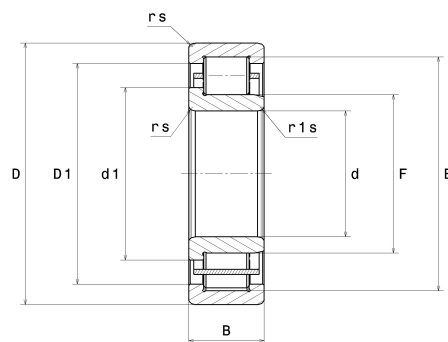
## PDF technical sheet NJ222



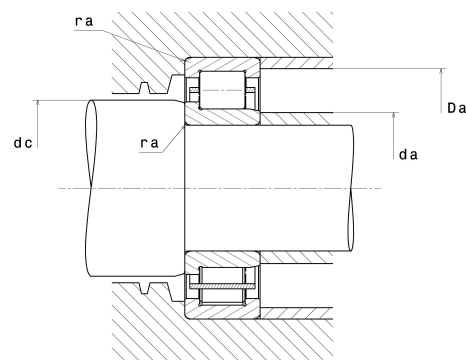
### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 4.3307 " |
| D                      | 7.8740 " |
| B                      | 1.4961 " |
| E                      | 7.0276 " |
| F                      | 5.2165 " |
| d1                     | 5.5709 " |
| rs min                 | 0.0827 " |
| r1s min                | 0.0827 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 17.50 oz |
| Brand                  | NTN      |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 240 kN    |
| Static load, C0                 | 290 kN    |
| Fatigue limit load, Cu          | 31 kN     |
| Nlim (oil)                      | 4,000 RPM |
| Nlim (grease)                   | 3,400 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 4.7638 " |
| da max              | 5.1181 " |
| dc min              | 5.6693 " |
| Da max              | 7.4409 " |
| ra max              | 0.0787 " |

#### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$