

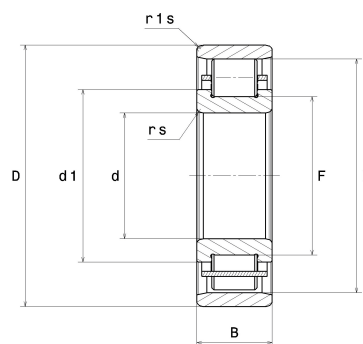
## PDF technical sheet N406



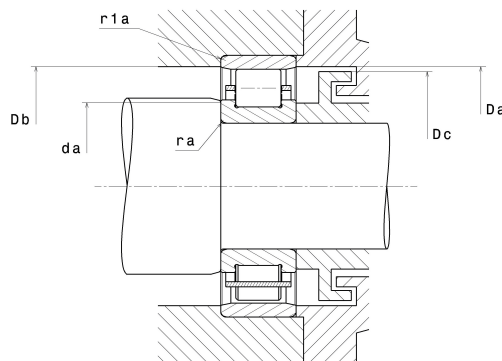
### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 1.1811 " |
| D                      | 3.5433 " |
| B                      | 0.9055 " |
| E                      | 2.8740 " |
| F                      | 1.7717 " |
| d1                     | 1.9882 " |
| rs min                 | 0.0591 " |
| r1s min                | 0.0591 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 2.60 oz  |
| Brand                  | NTN      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 62.50 kN  |
| Static load, C0                               | 55 kN     |
| Fatigue limit load, Cu                        | 6.70 kN   |
| Nlim (oil)                                    | 8,500 RPM |
| Nlim (grease)                                 | 7,300 RPM |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.38 Hz   |
| Characteristic rolling element frequency, BSF | 3.98 Hz   |
| Characteristic outer ring frequency, BPF0     | 3.43 Hz   |
| Characteristic inner ring frequency, BPFI     | 5.57 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 1.4961 " |
| Da max              | 3.2283 " |
| Db min              | 2.9134 " |
| Dc max              | 2.7953 " |
| ra max              | 0.0591 " |
| r1a max             | 0.0591 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$