

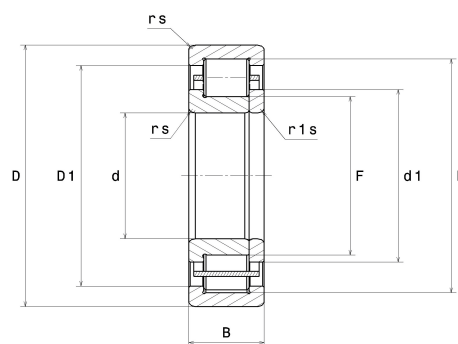
## PDF technical sheet NUP211EC3



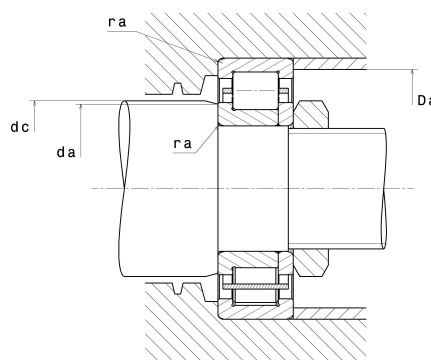
### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 2.1654 " |
| D                      | 3.9370 " |
| B                      | 0.8268 " |
| E                      | 3.5433 " |
| F                      | 2.5984 " |
| d1                     | 2.7874 " |
| D1                     | 3.3543 " |
| rs min                 | 0.0591 " |
| r1s min                | 0.0433 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 2.48 oz  |
| Brand                  | SNR      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 83.10 kN  |
| Static load, C0                               | 94.20 kN  |
| Fatigue limit load, Cu                        | 11.50 kN  |
| Nref                                          | 5,800 RPM |
| Nlim                                          | 8,300 RPM |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.42 Hz   |
| Characteristic rolling element frequency, BSF | 6.35 Hz   |
| Characteristic outer ring frequency, BPF0     | 7.19 Hz   |
| Characteristic inner ring frequency, BPF1     | 9.81 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 2.4803 " |
| dc min              | 2.8740 " |
| Da max              | 3.6220 " |
| ra max              | 0.0591 " |
| r1a max             | 0.0394 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$