

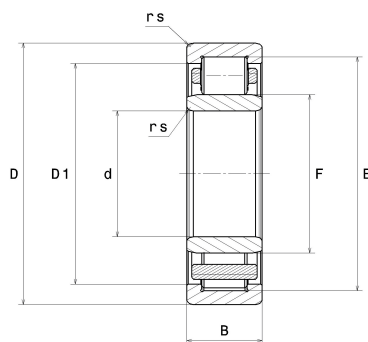
## PDF technical sheet NU221EG15C3



### Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, polyamide cage

| Product definition     |          |
|------------------------|----------|
| d                      | 4.1339 " |
| D                      | 7.4803 " |
| B                      | 1.4173 " |
| E                      | 6.7520 " |
| F                      | 4.9409 " |
| D1                     | 6.5000 " |
| rs min                 | 0.0827 " |
| r1s min                | 0.0827 " |
| Radial clearance class | C3       |
| Mass (without HJ ring) | 12.95 oz |
| Brand                  | SNR      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 263 kN    |
| Static load, C0                               | 323 kN    |
| Fatigue limit load, Cu                        | 35 kN     |
| Nref                                          | 3,400 RPM |
| Nlim                                          | 4,300 RPM |
| Min operating temperature, Tmin               | -4 °C     |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.42 Hz   |
| Characteristic rolling element frequency, BSF | 6.30 Hz   |
| Characteristic outer ring frequency, BPF0     | 7.18 Hz   |
| Characteristic inner ring frequency, BPF1     | 9.82 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 4.5669 " |
| da max              | 4.8819 " |
| Da max              | 7.0472 " |
| ra max              | 0.0787 " |
| r1a max             | 0.0787 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$