

## PDF technical sheet NJ226EG15



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 5.1181 " |
| D                      | 9.0551 " |
| B                      | 1.5748 " |
| E                      | 8.2480 " |
| F                      | 6.0433 " |
| d1                     | 6.4528 " |
| D1                     | 7.9213 " |
| rs min                 | 0.1181 " |
| r1s min                | 0.1181 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 23.28 oz |
| Brand                  | SNR      |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 367 kN    |
| Static load, C0                               | 461 kN    |
| Fatigue limit load, Cu                        | 47 kN     |
| Nref                                          | 2,800 RPM |
| Nlim                                          | 3,500 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 | 6.33 Hz   |
| Characteristic outer ring frequency, BPF0     | 7.19 Hz   |
| Characteristic inner ring frequency, BPF1     | 9.81 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 5.6299 " |
| da max              | 5.9449 " |
| db min              | 6.2205 " |
| dc min              | 6.6142 " |
| Da max              | 8.5433 " |
| ra max              | 0.0984 " |
| r1a max             | 0.0984 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$