

## PDF technical sheet NJ324EG15J30



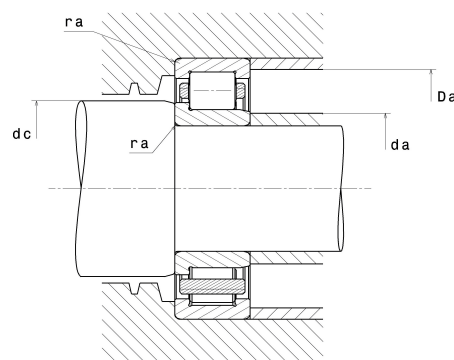
### Single row cylindrical roller bearings

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

| Product definition     |           |
|------------------------|-----------|
| d                      | 4.7244 "  |
| D                      | 10.2362 " |
| B                      | 2.1654 "  |
| E                      | 9.0551 "  |
| F                      | 6.0630 "  |
| d1                     | 6.6417 "  |
| D1                     | 8.6102 "  |
| rs min                 | 0.1181 "  |
| r1s min                | 0.1181 "  |
| Radial clearance class | C3        |
| Mass (without HJ ring) | 47.76 oz  |
| Brand                  | SNR       |



| Product performance                           |           |
|-----------------------------------------------|-----------|
| Dynamic load, C                               | 535 kN    |
| Static load, C0                               | 621 kN    |
| Fatigue limit load, Cu                        | 62.30 kN  |
| Nref                                          | 2,500 RPM |
| Nlim                                          | 3,200 RPM |
| Min operating temperature, Tmin               | -4 °C     |
| Max operating temperature, Tmax               | 248 °C    |
| Characteristic cage frequency, FTF            | 0.40 Hz   |
| Characteristic rolling element frequency, BSF | 4.86 Hz   |
| Characteristic outer ring frequency, BPF0     | 5.21 Hz   |
| Characteristic inner ring frequency, BPF1     | 7.79 Hz   |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 5.2362 " |
| da max              | 5.9449 " |
| db min              | 6.1417 " |
| dc min              | 6.7323 " |
| Da max              | 9.7244 " |
| ra max              | 0.0984 " |
| r1a max             | 0.0984 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$