

## PDF technical sheet NUP2218ZS



### Single row cylindrical roller bearings

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

| Product definition     |          |
|------------------------|----------|
| d                      | 3.5433 " |
| D                      | 6.2992 " |
| B                      | 1.5748 " |
| E                      | 5.6299 " |
| F                      | 4.2126 " |
| d1                     | 4.4961 " |
| rs min                 | 0.0787 " |
| r1s min                | 0.0787 " |
| Radial clearance class | CN       |
| Mass (without HJ ring) | 10.93 oz |
| Brand                  | NTN      |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 197 kN    |
| Static load, C0                 | 248 kN    |
| Fatigue limit load, Cu          | 28.30 kN  |
| Nlim (oil)                      | 4,600 RPM |
| Nlim (grease)                   | 3,900 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |          |
|---------------------|----------|
| da min              | 3.8976 " |
| dc min              | 4.5669 " |
| Da max              | 5.9449 " |
| ra max              | 0.0787 " |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$