

## PDF technical sheet NU240CM



### Single row cylindrical roller bearings

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

| Product definition     |           |
|------------------------|-----------|
| d                      | 7.8740 "  |
| D                      | 14.1732 " |
| B                      | 2.2835 "  |
| E                      | 12.4409 " |
| F                      | 9.6063 "  |
| rs min                 | 0.1575 "  |
| r1s min                | 0.1575 "  |
| Radial clearance class | CM        |
| Mass (without HJ ring) | 89.95 oz  |
| Brand                  | NTN       |



| Product performance             |           |
|---------------------------------|-----------|
| Dynamic load, C                 | 620 kN    |
| Static load, C0                 | 865 kN    |
| Fatigue limit load, Cu          | 77.50 kN  |
| Nlim (oil)                      | 2,100 RPM |
| Nlim (grease)                   | 1,800 RPM |
| Min operating temperature, Tmin | -40 °C    |
| Max operating temperature, Tmax | 248 °C    |



| Abutment dimensions |           |
|---------------------|-----------|
| da min              | 8.5039 "  |
| da max              | 9.4488 "  |
| db min              | 9.7244 "  |
| Da max              | 13.5433 " |
| ra max              | 0.1181 "  |
| r1a max             | 0.1181 "  |

### Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$