



## Technical data

### NJ214C3

Single row cylindrical roller bearings

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

#### VISUAL (S)



## PRODUCT DEFINITION

|                                      |          |
|--------------------------------------|----------|
| <b>Brand</b>                         | NTN      |
| <b>d - Internal diameter</b>         | 70 mm    |
| <b>D - External diameter</b>         | 125 mm   |
| <b>B - Bearing/Inner ring width</b>  | 24 mm    |
| <b>E - Upper roller diameter</b>     | 110,5 mm |
| <b>F - Under roller diameter</b>     | 84,5 mm  |
| <b>d1 - IR flange outer diameter</b> | 89,6 mm  |
| <b>rs - Min fillet radius</b>        | 1,5 mm   |
| <b>r1s - Min fillet radius</b>       | 1,5 mm   |
| <b>Radial clearance class</b>        | C3       |
| <b>Mass</b>                          | 1,17 kg  |

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C - Dynamic load</b>                       | 92500000 mN |
| <b>C0 - Static load</b>                       | 95000000 mN |
| <b>Cu - Fatigue limit load</b>                | 11600000 mN |
| <b>N lim - Oil lubrication limit speed</b>    | 39000 °/s   |
| <b>N lim - Grease lubrication limit speed</b> | 33000 °/s   |
| <b>Tmin - Min operating temperature</b>       | 233,15 °K   |
| <b>Tmax - Max operating temperature</b>       | 393,15 °K   |

## ABUTMENT

|                                                  |       |
|--------------------------------------------------|-------|
| <b>da min - Min shoulder diameter IR</b>         | 78 mm |
| <b>da max - Small face shoulder max diameter</b> | 82 mm |
| <b>dc min - Min inner ring GO diameter</b>       | 92 mm |



**NTN Europe**

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## ABUTMENT

|                                          |        |
|------------------------------------------|--------|
| <b>Da max - Max shoulder diameter OR</b> | 117 mm |
| <b>ra max - Max fillet radius</b>        | 1,5 mm |

## INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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