



## Technical data

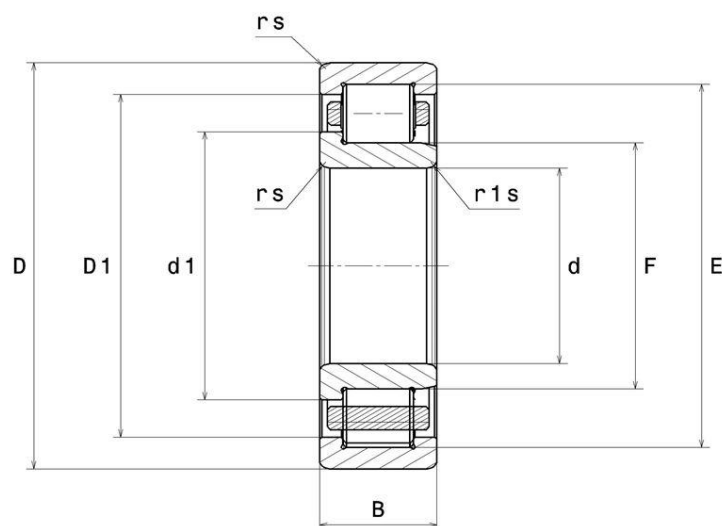
### NJ205EAT2X

Single row cylindrical roller bearings

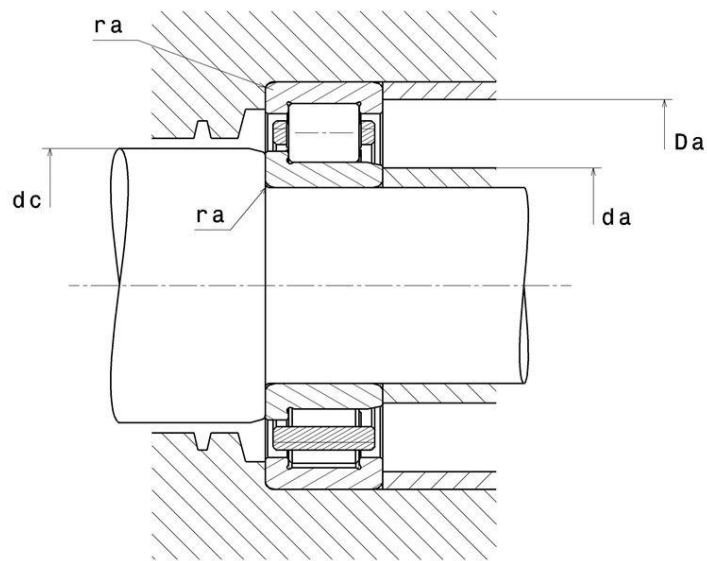
Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

**ULTAGE®**

## VISUAL (S)



NJ205EAT2X  
Single row cylindrical roller bearings



PRODUCT DEFINITION

|                               |          |
|-------------------------------|----------|
| Brand                         | NTN      |
| d - Internal diameter         | 25 mm    |
| D - External diameter         | 52 mm    |
| B - Bearing/Inner ring width  | 15 mm    |
| E - Upper roller diameter     | 46,5 mm  |
| F - Under roller diameter     | 31,5 mm  |
| d1 - IR flange outer diameter | 34,5 mm  |
| rNs - Min fillet radius       | 0,6 mm   |
| rs - Min fillet radius        | 1 mm     |
| Radial clearance class        | CN       |
| Mass                          | 0,136 kg |

PRODUCT PERFORMANCE

|                  |             |
|------------------|-------------|
| C - Dynamic load | 34500000 mN |
|------------------|-------------|



## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C0 - Static load</b>                       | 27700000 mN |
| <b>Cu - Fatigue limit load</b>                | 3400000 mN  |
| <b>N lim - Oil lubrication limit speed</b>    | 108000 °/s  |
| <b>N lim - Grease lubrication limit speed</b> | 78000 °/s   |
| <b>Tmin - Min operating temperature</b>       | 253,15 °K   |
| <b>Tmax - Max operating temperature</b>       | 393,15 °K   |

## ABUTMENT

|                                                  |         |
|--------------------------------------------------|---------|
| <b>da min - Min shoulder diameter IR</b>         | 29 mm   |
| <b>dc min - Min inner ring GO diameter</b>       | 34 mm   |
| <b>Da max - Max shoulder diameter OR</b>         | 47 mm   |
| <b>Db min - Small face shoulder min diameter</b> | 47,5 mm |
| <b>ra max - Max fillet radius</b>                | 1 mm    |
| <b>r1a - Max fillet radius</b>                   | 0,6 mm  |



## INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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