



## Technical data

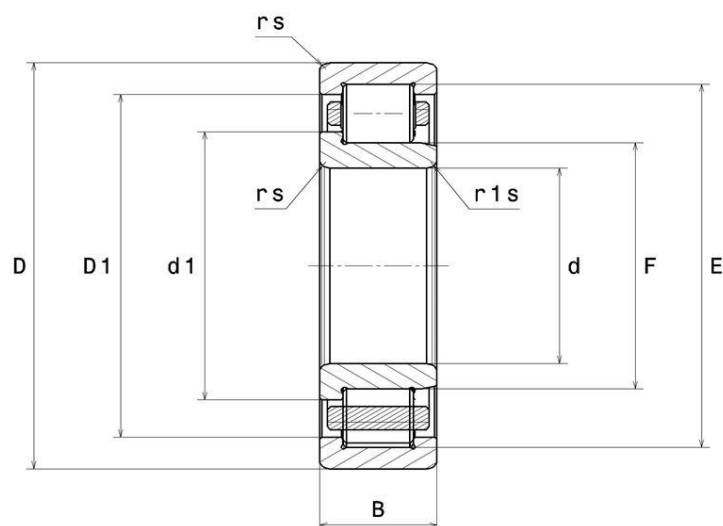
### NJ2309EAT2X

Single row cylindrical roller bearings

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

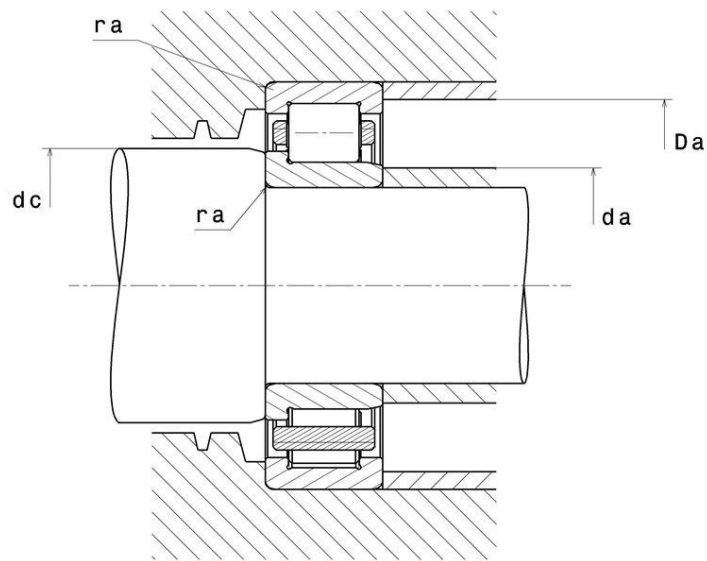
**ULTAGE®**

## VISUAL (S)



NJ2309EAT2X

Single row cylindrical roller bearings



| PRODUCT DEFINITION           |         |
|------------------------------|---------|
| Brand                        | NTN     |
| d - Internal diameter        | 45 mm   |
| D - External diameter        | 100 mm  |
| B - Bearing/Inner ring width | 36 mm   |
| E - Upper roller diameter    | 88,5 mm |
| F - Under roller diameter    | 58,5 mm |
| rNs - Min fillet radius      | 1,5 mm  |
| rs - Min fillet radius       | 1,5 mm  |
| r1s - Min fillet radius      | 1,5 mm  |
| Radial clearance class       | CN      |
| Mass                         | 2,73 kg |

| PRODUCT PERFORMANCE |              |
|---------------------|--------------|
| C - Dynamic load    | 162000000 mN |

## PRODUCT PERFORMANCE

|                                               |              |
|-----------------------------------------------|--------------|
| <b>C0 - Static load</b>                       | 153000000 mN |
| <b>Cu - Fatigue limit load</b>                | 18700000 mN  |
| <b>N lim - Oil lubrication limit speed</b>    | 49200 °/s    |
| <b>N lim - Grease lubrication limit speed</b> | 34200 °/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>         | 53 mm   |
| <b>da max - Small face shoulder max diameter</b> | 57 mm   |
| <b>dc min - Min inner ring GO diameter</b>       | 60 mm   |
| <b>Da max - Max shoulder diameter OR</b>         | 92 mm   |
| <b>Db min - Small face shoulder min diameter</b> | 90,5 mm |
| <b>ra max - Max fillet radius</b>                | 1,5 mm  |
| <b>r1a - Max fillet radius</b>                   | 1,5 mm  |



## INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$



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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15