



## Technical data

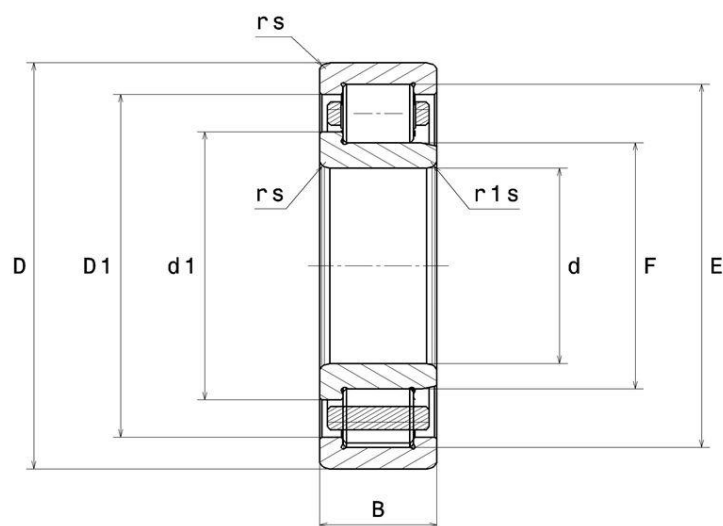
### NJ2309EAT2XC3

Single row cylindrical roller bearings

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

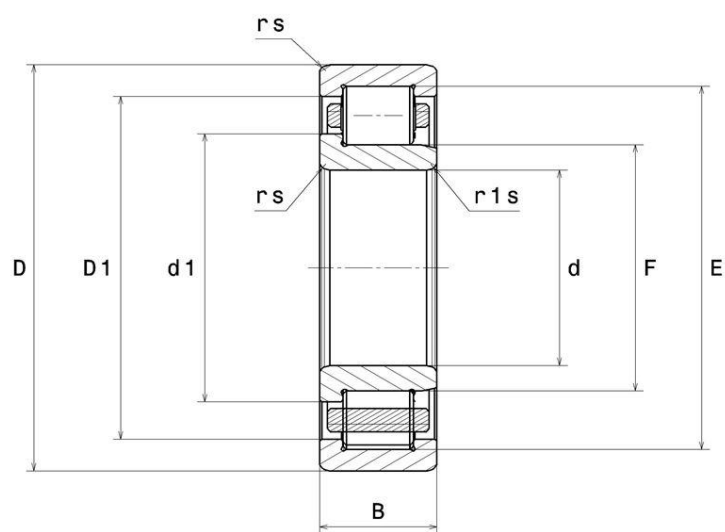
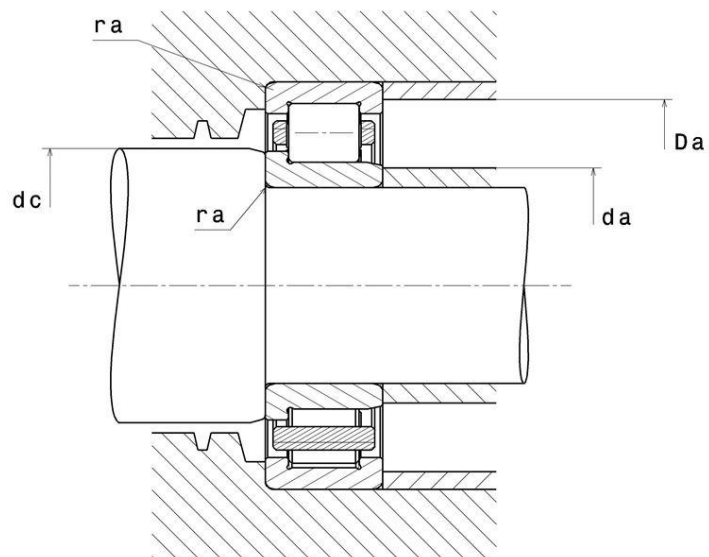
**ULTAGE®**

## VISUAL (S)



# NJ2309EAT2XC3

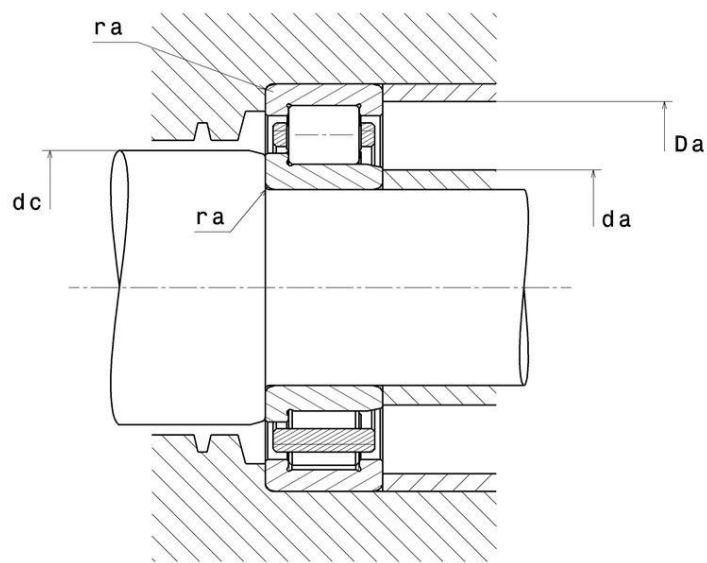
## Single row cylindrical roller bearings



**NTN Europe**

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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

NJ2309EAT2XC3  
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  |



## PRODUCT DEFINITION

|                                  |         |
|----------------------------------|---------|
| <b>E - Upper roller diameter</b> | 88,5 mm |
| <b>F - Under roller diameter</b> | 58,5 mm |
| <b>rNs - Min fillet radius</b>   | 1,5 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>                      | 2,73 kg |

## PRODUCT PERFORMANCE

|                                               |              |
|-----------------------------------------------|--------------|
| <b>C - Dynamic load</b>                       | 162000000 mN |
| <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

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$



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