



## Technical data

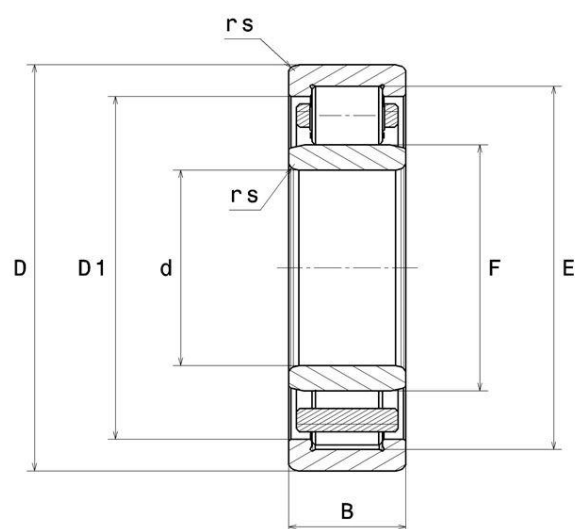
### NU312EAT2XC3

Single row cylindrical roller bearings

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

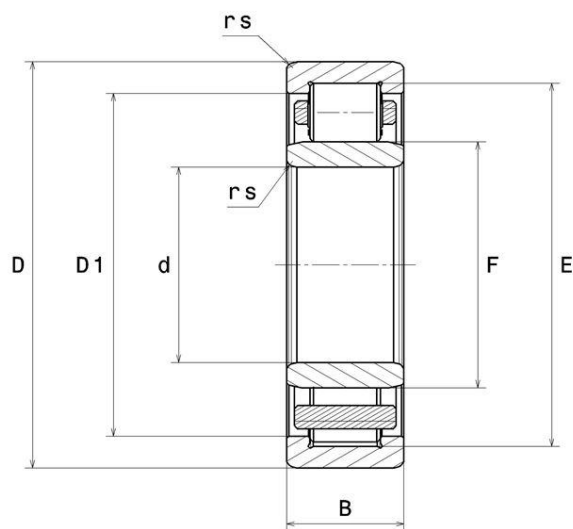
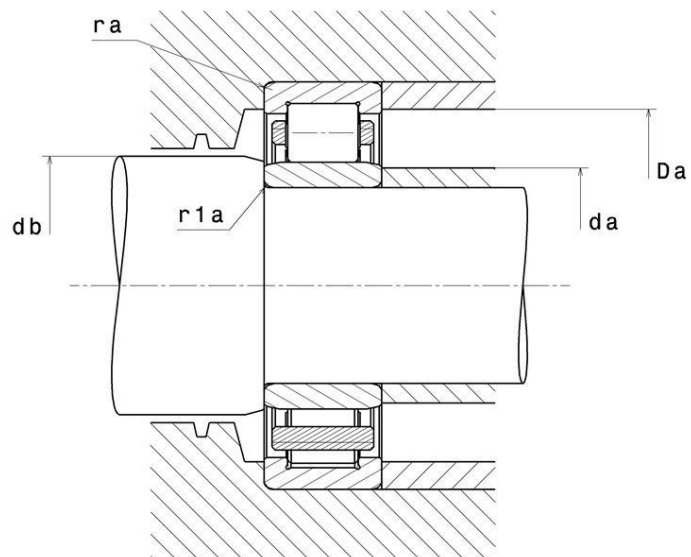
**ULTAGE®**

## VISUAL (S)



# NU312EAT2XC3

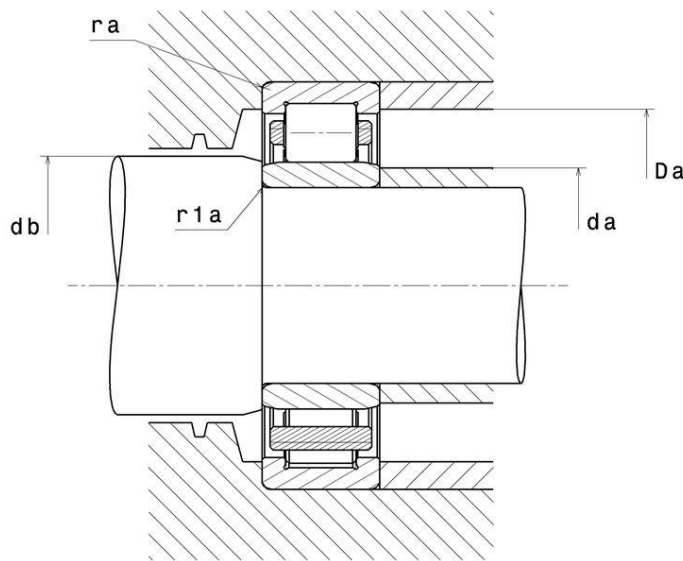
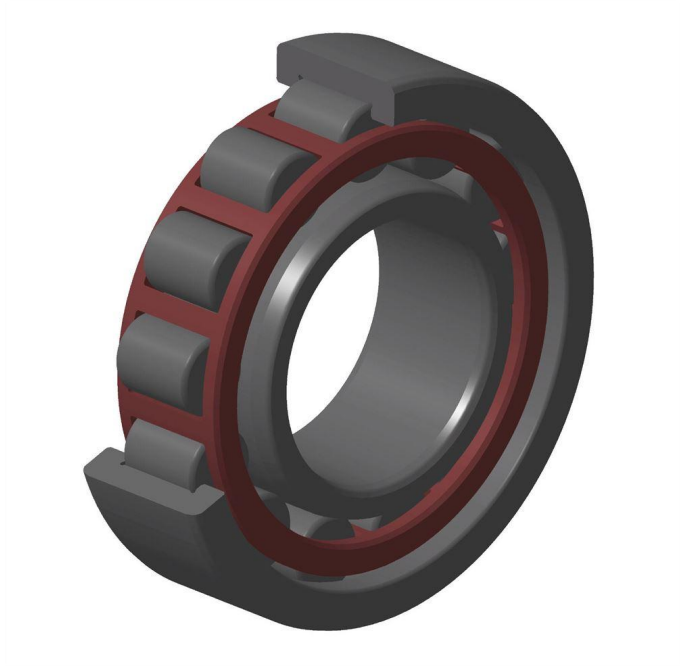
Single row cylindrical roller bearings



**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

NU312EAT2XC3  
Single row cylindrical roller bearings



PRODUCT DEFINITION

|                              |        |
|------------------------------|--------|
| Brand                        | NTN    |
| d - Internal diameter        | 60 mm  |
| D - External diameter        | 130 mm |
| B - Bearing/Inner ring width | 31 mm  |



# NU312EAT2XC3

Single row cylindrical roller bearings

| PRODUCT DEFINITION            |         |
|-------------------------------|---------|
| E - Upper roller diameter     | 115 mm  |
| F - Under roller diameter     | 77 mm   |
| d1 - IR flange outer diameter | 84,6 mm |
| rNs - Min fillet radius       | 2,1 mm  |
| rs - Min fillet radius        | 2,1 mm  |
| Radial clearance class        | C3      |
| Mass                          | 2,05 kg |

| PRODUCT PERFORMANCE                    |              |
|----------------------------------------|--------------|
| C - Dynamic load                       | 177000000 mN |
| C0 - Static load                       | 157000000 mN |
| Cu - Fatigue limit load                | 19100000 mN  |
| N lim - Oil lubrication limit speed    | 42000 °/s    |
| N lim - Grease lubrication limit speed | 29400 °/s    |
| Tmin - Min operating temperature       | 253,15 °K    |
| Tmax - Max operating temperature       | 393,15 °K    |

| ABUTMENT                                  |        |
|-------------------------------------------|--------|
| da min - Min shoulder diameter IR         | 71 mm  |
| db min - Min inner ring GO diameter       | 79 mm  |
| Da max - Max shoulder diameter OR         | 119 mm |
| Db min - Small face shoulder min diameter | 117 mm |
| ra max - Max fillet radius                | 2 mm   |
| r1a - Max fillet radius                   | 2 mm   |



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## INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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