



## Technical data

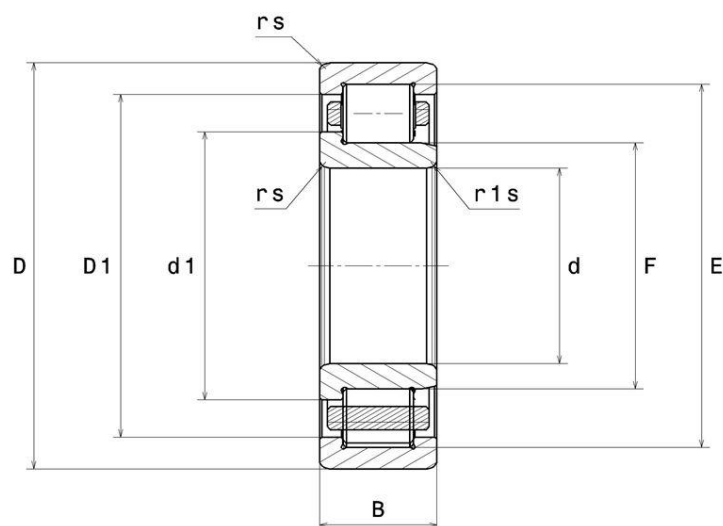
### NJ2216EAT2X

Single row cylindrical roller bearings

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

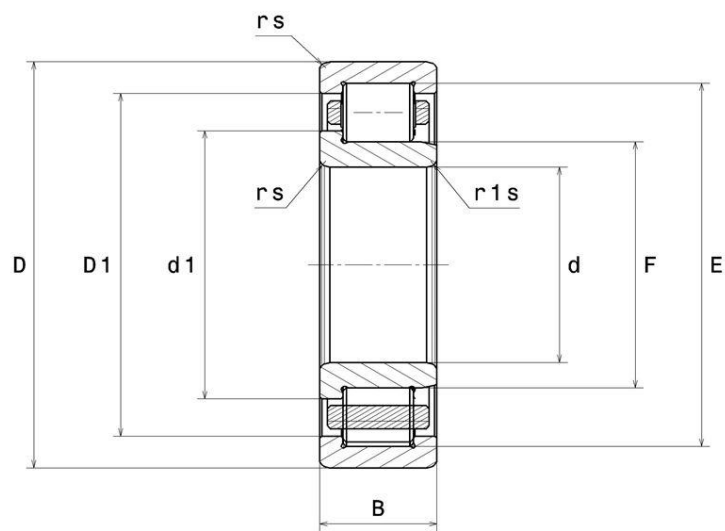
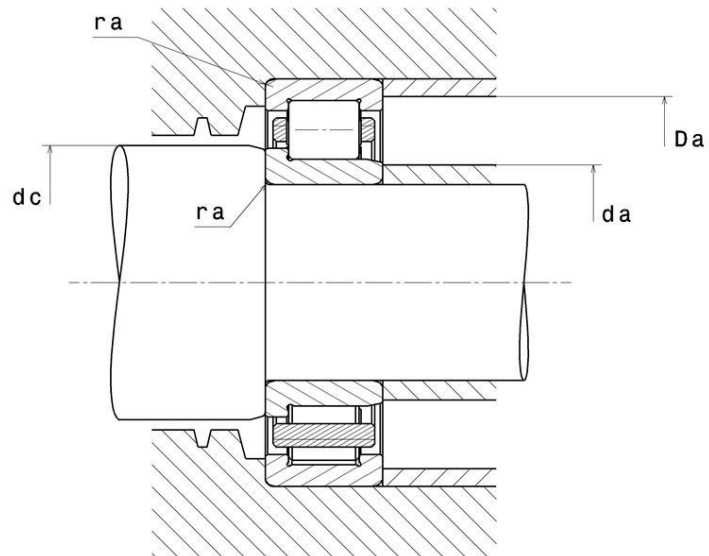
**ULTAGE®**

## VISUAL (S)



# NJ2216EAT2X

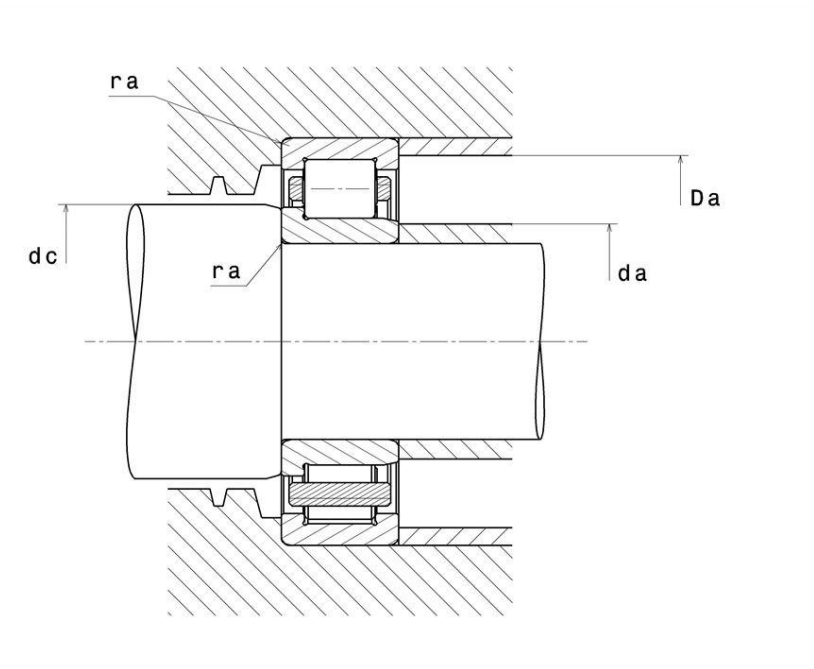
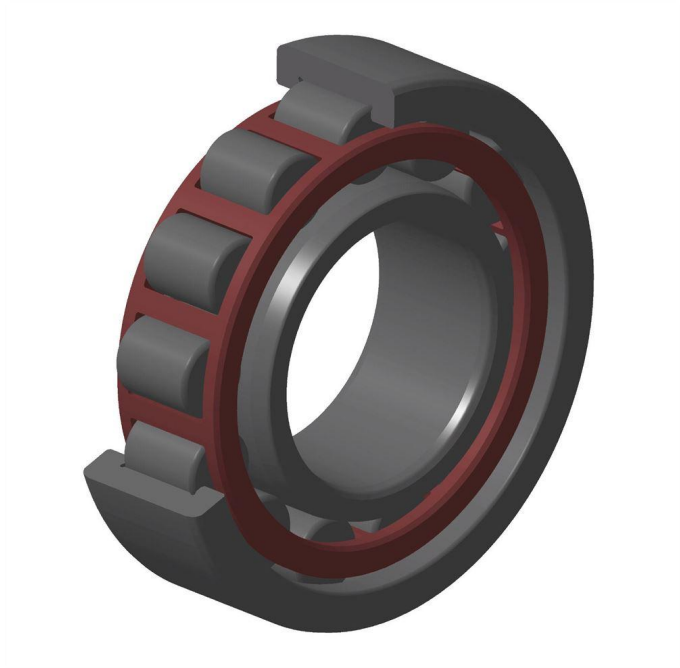
Single row cylindrical roller bearings



**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

NJ2216EAT2X  
Single row cylindrical roller bearings



| PRODUCT DEFINITION           |        |
|------------------------------|--------|
| Brand                        | NTN    |
| d - Internal diameter        | 80 mm  |
| D - External diameter        | 140 mm |
| B - Bearing/Inner ring width | 33 mm  |

## PRODUCT DEFINITION

|                                      |          |
|--------------------------------------|----------|
| <b>E - Upper roller diameter</b>     | 127,3 mm |
| <b>F - Under roller diameter</b>     | 95,3 mm  |
| <b>d1 - IR flange outer diameter</b> | 101,7 mm |
| <b>rNs - Min fillet radius</b>       | 2 mm     |
| <b>rs - Min fillet radius</b>        | 2 mm     |
| <b>Radial clearance class</b>        | CN       |

## PRODUCT PERFORMANCE

|                                               |              |
|-----------------------------------------------|--------------|
| <b>C - Dynamic load</b>                       | 220000000 mN |
| <b>C0 - Static load</b>                       | 243000000 mN |
| <b>Cu - Fatigue limit load</b>                | 28700000 mN  |
| <b>N lim - Oil lubrication limit speed</b>    | 33000 °/s    |
| <b>N lim - Grease lubrication limit speed</b> | 23400 °/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>         | 89 mm    |
| <b>dc min - Min inner ring GO diameter</b>       | 97 mm    |
| <b>Da max - Max shoulder diameter OR</b>         | 131 mm   |
| <b>Db min - Small face shoulder min diameter</b> | 128,5 mm |
| <b>ra max - Max fillet radius</b>                | 2 mm     |
| <b>r1a - Max fillet radius</b>                   | 2 mm     |



## INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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