

## Technical data

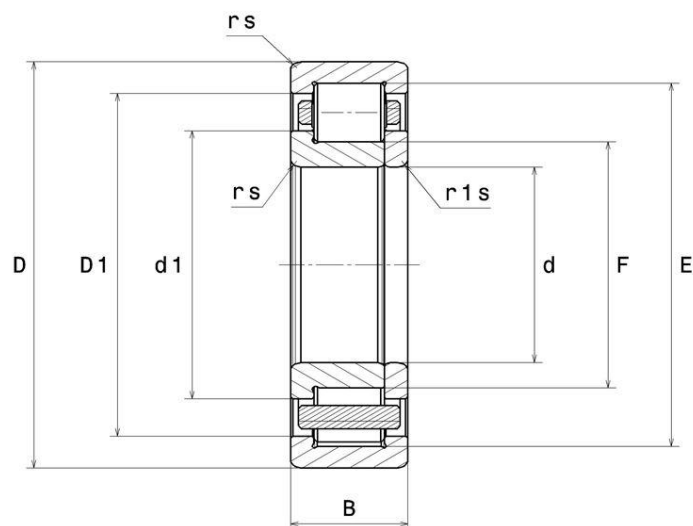
### NUP2205EAT2XU

Single row cylindrical roller bearings

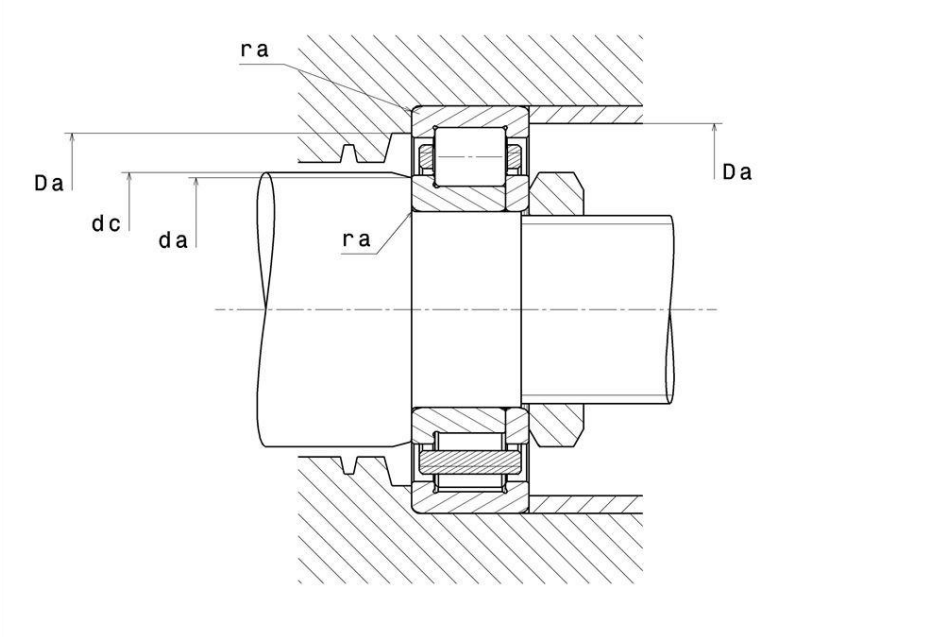


**ULTAGE®**

#### VISUAL (S)



NUP2205EAT2XU  
Single row cylindrical roller bearings



| PRODUCT DEFINITION           |          |
|------------------------------|----------|
| Brand                        | NTN      |
| d - Internal diameter        | 25 mm    |
| D - External diameter        | 52 mm    |
| B - Bearing/Inner ring width | 18 mm    |
| E - Upper roller diameter    | 46,5 mm  |
| F - Under roller diameter    | 31,5 mm  |
| rNs - Min fillet radius      | 0,6 mm   |
| rs - Min fillet radius       | 1 mm     |
| r1s - Min fillet radius      | 0,6 mm   |
| Radial clearance class       | CN       |
| Mass                         | 0,186 kg |

| PRODUCT PERFORMANCE |             |
|---------------------|-------------|
| C - Dynamic load    | 41500000 mN |

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C0 - Static load</b>                       | 34500000 mN |
| <b>Cu - Fatigue limit load</b>                | 4250000 mN  |
| <b>N lim - Oil lubrication limit speed</b>    | 93600 °/s   |
| <b>N lim - Grease lubrication limit speed</b> | 66000 °/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>da max - Small face shoulder max diameter</b> | 31 mm   |
| <b>db 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

$$P_0 = Fr$$



**NTN Europe**

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
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