



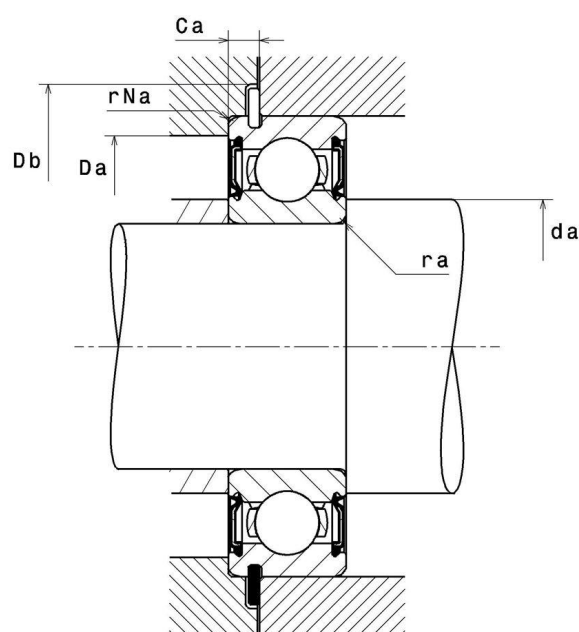
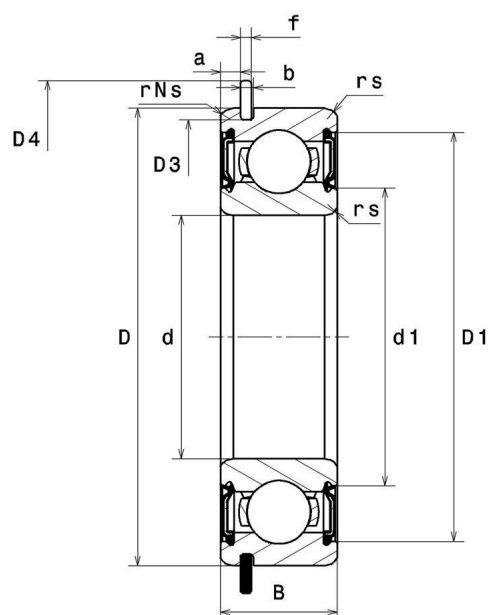
## Technical data

### 6215LLUNR/2AS

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, snap ring & groove on outer diameter, contact seals on both sides

#### VISUAL (S)



# 6215LLUNR/2AS

Single row deep groove ball bearings

## PRODUCT DEFINITION

|                                                    |           |
|----------------------------------------------------|-----------|
| Brand                                              | NTN       |
| d - Internal diameter                              | 75 mm     |
| D - External diameter                              | 130 mm    |
| B - Bearing/Inner ring width                       | 25 mm     |
| a min - Min position Groove                        | 3,86 mm   |
| a max - Max position groove                        | 4,06 mm   |
| rs - Min fillet radius                             | 1,5 mm    |
| rNs - Min fillet radius                            | 0,5 mm    |
| D3 - Max bottom groove diameter                    | 125,22 mm |
| b min - Min groove width                           | 3,1 mm    |
| b max - Max groove width                           | 3,4 mm    |
| r0 max - Max bottom groove radius                  | 0,6 mm    |
| D4 max - Max outer diameter of assembled stop ring | 139,7 mm  |
| f - Stop ring thickness                            | 2,82 mm   |
| Snap ring reference                                | R130      |
| Radial clearance class                             | CN        |
| Mass                                               | 1,18 kg   |

## PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| C - Dynamic load                       | 73500000 mN |
| C0 - Static load                       | 49500000 mN |
| Cu - Fatigue limit load                | 3800000 mN  |
| f0 - Coefficient                       | 14.7        |
| N lim - Grease lubrication limit speed | 19200 °/s   |



**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

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Single row deep groove ball bearings

## PRODUCT PERFORMANCE

|                                         |           |
|-----------------------------------------|-----------|
| <b>Tmin - Min operating temperature</b> | 248,15 °K |
| <b>Tmax - Max operating temperature</b> | 383,15 °K |

## ABUTMENT

|                                                       |          |
|-------------------------------------------------------|----------|
| <b>da min - Min shoulder diameter IR</b>              | 83 mm    |
| <b>da max - Max shoulder diameter IR</b>              | 90,5 mm  |
| <b>Da max - Max shoulder diameter OR</b>              | 122 mm   |
| <b>ra max - Max shaft &amp; housing fillet radius</b> | 1,5 mm   |
| <b>rNa max - Max fillet radius on segment side</b>    | 0,5 mm   |
| <b>Ca min - Mini segment position</b>                 | 6,68 mm  |
| <b>Ca max - Max segment position</b>                  | 6,88 mm  |
| <b>Db min - Min stop ring position diameter</b>       | 141,5 mm |



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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

| $\frac{f_0 F_a}{C_0}$ | e    | Fa / Fr ≤ e |   | Fa / Fr > e |      |
|-----------------------|------|-------------|---|-------------|------|
|                       |      | X           | Y | X           | Y    |
| 0.172                 | 0.19 | 1           | 0 | 0.56        | 2.3  |
| 0.345                 | 0.22 |             |   |             | 1.99 |
| 0.689                 | 0.26 |             |   |             | 1.71 |
| 1.03                  | 0.28 |             |   |             | 1.55 |
| 1.38                  | 0.3  |             |   |             | 1.45 |
| 2.07                  | 0.34 |             |   |             | 1.31 |
| 3.45                  | 0.38 |             |   |             | 1.15 |
| 5.17                  | 0.42 |             |   |             | 1.04 |
| 6.89                  | 0.44 |             |   |             | 1    |

Equivalent static radial load

$P_0 = X_0.Fr + Y_0.Fa$

| X <sub>0</sub> | Y <sub>0</sub> |
|----------------|----------------|
| 0.6            | 0.5            |

For single or DT bearing arrangement :

If P<sub>0</sub> <Fr, then use P<sub>0</sub> = Fr