



Brand of NTN corporation

## Technical data

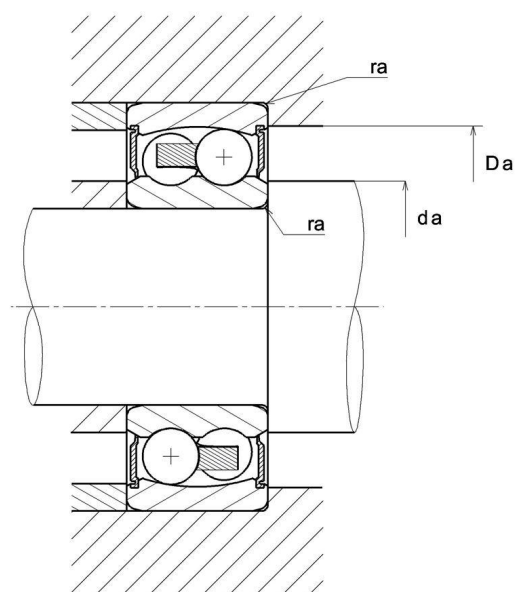
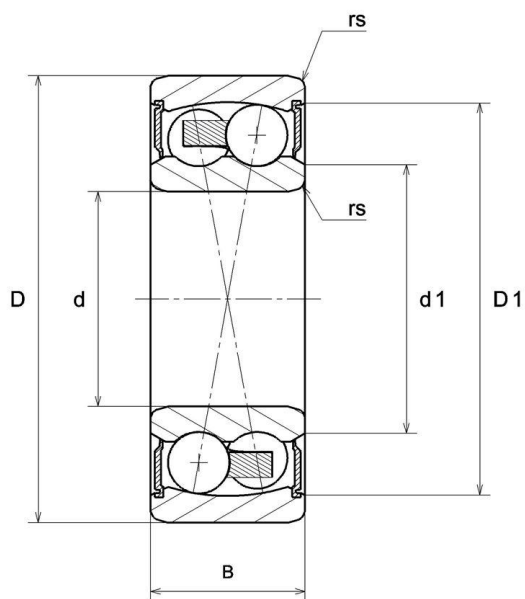
### 2309EEG15

Double-row self-aligning ball bearings



Self-aligning ball bearing, polyamide cage, friction seals on both sides

#### VISUAL (S)



**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

## PRODUCT DEFINITION

|                                          |         |
|------------------------------------------|---------|
| <b>Brand</b>                             | SNR     |
| <b>d - Internal diameter</b>             | 45 mm   |
| <b>D - External diameter</b>             | 100 mm  |
| <b>B - Bearing/Inner ring width</b>      | 36 mm   |
| <b>d1 - External diameter inner ring</b> | 57,2 mm |
| <b>D1 - Inner diameter outer ring</b>    | 86,5 mm |
| <b>rs - Min fillet radius</b>            | 1,5 mm  |
| <b>Radial clearance class</b>            | CN      |
| <b>Precision class</b>                   | P0      |
| <b>Mass</b>                              | 1,32 kg |

## PRODUCT PERFORMANCE

|                                           |             |
|-------------------------------------------|-------------|
| <b>C - Dynamic load</b>                   | 38000000 mN |
| <b>C0 - Static load</b>                   | 12700000 mN |
| <b>Cu - Fatigue limit load</b>            | 580000 mN   |
| <b>e - Coefficient</b>                    | 0.25        |
| <b>Y0 - Static axial load coefficient</b> | 2.62        |
| <b>Y1 - Lower axial load coefficient</b>  | 2.5         |
| <b>Y2 - Upper axial load coefficient</b>  | 3.87        |
| <b>N lim - Mechanical Limit Speed</b>     | 25800 °/s   |
| <b>Tmin - Min operating temperature</b>   | 253,15 °K   |
| <b>Tmax - Max operating temperature</b>   | 393,15 °K   |

## BEARING FREQUENCIES

|                                                             |          |
|-------------------------------------------------------------|----------|
| <b>BPFO - Over rolling frequency on outer ring (60 rpm)</b> | 6.218 Hz |
|-------------------------------------------------------------|----------|



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Double-row self-aligning ball bearings

## BEARING FREQUENCIES

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 8.782 Hz |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 5.603 Hz |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.802 Hz |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.415 Hz |

## ABUTMENT

|                                                       |        |
|-------------------------------------------------------|--------|
| <b>da min - Min shoulder diameter IR</b>              | 53 mm  |
| <b>Da max - Max shoulder diameter OR</b>              | 92 mm  |
| <b>ra max - Max shaft &amp; housing fillet radius</b> | 1,5 mm |



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