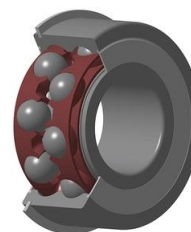


## Technical data

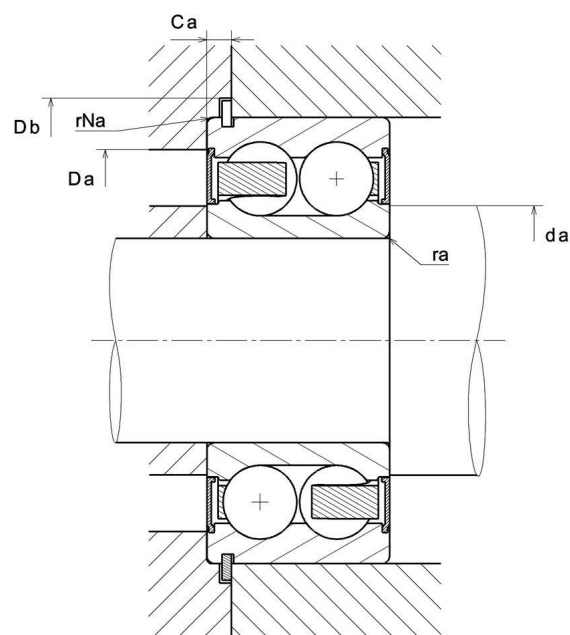
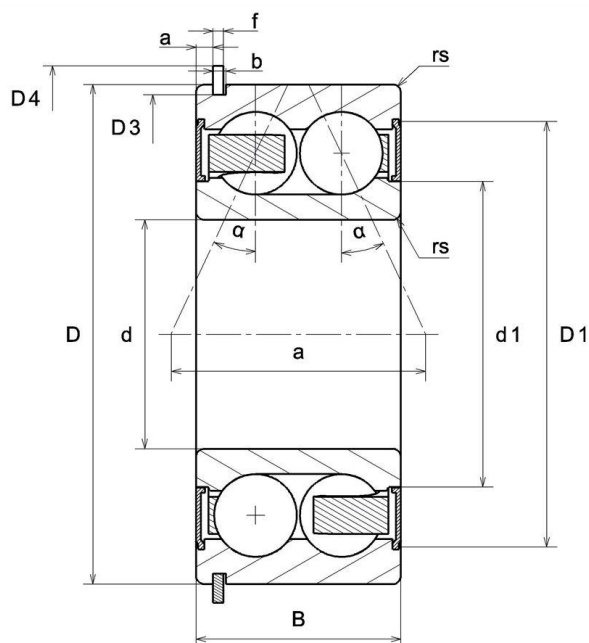
### 5308NRZZG15

Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, snap ring and groove on outer diameter, shield on both sides

#### VISUAL (S)



# 5308NRZZG15

Double row angular contact ball bearings

## PRODUCT DEFINITION

|                                                           |          |
|-----------------------------------------------------------|----------|
| <b>Brand</b>                                              | SNR      |
| <b>d - Internal diameter</b>                              | 40 mm    |
| <b>D - External diameter</b>                              | 90 mm    |
| <b>B - Bearing/Inner ring width</b>                       | 36,5 mm  |
| <b>d1 - External diameter inner ring</b>                  | 55,6 mm  |
| <b>D1 - Inner diameter outer ring</b>                     | 77,4 mm  |
| <b>a - Charge load application point</b>                  | 45,8 mm  |
| <b>- Contact angle</b>                                    | 25 °     |
| <b>a min - Min position Groove</b>                        | 3,07 mm  |
| <b>a max - Max position groove</b>                        | 3,28 mm  |
| <b>rs - Min fillet radius</b>                             | 1,5 mm   |
| <b>rNs - Min fillet radius</b>                            | 0,6 mm   |
| <b>D3 - Max bottom groove diameter</b>                    | 86,79 mm |
| <b>b min - Min groove width</b>                           | 2,7 mm   |
| <b>b max - Max groove width</b>                           | 3 mm     |
| <b>r0 max - Max bottom groove radius</b>                  | 0,6 mm   |
| <b>D4 max - Max outer diameter of assembled stop ring</b> | 96,5 mm  |
| <b>f - Stop ring thickness</b>                            | 2,41 mm  |
| <b>Snap ring reference</b>                                | R 90     |
| <b>Radial clearance class</b>                             | CN       |
| <b>Precision class</b>                                    | P0       |
| <b>Mass</b>                                               | 0,97 kg  |



**NTN Europe**

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SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

# 5308NRZZG15

Double row angular contact ball bearings

## PRODUCT PERFORMANCE

|                                         |             |
|-----------------------------------------|-------------|
| <b>C - Dynamic load</b>                 | 59100000 mN |
| <b>C0 - Static load</b>                 | 43900000 mN |
| <b>Cu - Fatigue limit load</b>          | 27500000 mN |
| <b>f0 - Coefficient</b>                 | 13.3        |
| <b>N ref - Reference thermal speed</b>  | 36000 °/s   |
| <b>N lim - Mechanical Limit Speed</b>   | 34800 °/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>     | 3.159 Hz |
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 4.841 Hz |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 4.119 Hz |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.06 Hz  |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.395 Hz |

## ABUTMENT

|                                                       |         |
|-------------------------------------------------------|---------|
| <b>da min - Min shoulder diameter IR</b>              | 48 mm   |
| <b>da max - Max shoulder diameter IR</b>              | 55,6 mm |
| <b>Da max - Max shoulder diameter OR</b>              | 82 mm   |
| <b>Ca min - Mini segment position</b>                 | 5,43 mm |
| <b>Ca max - Max segment position</b>                  | 5,74 mm |
| <b>ra max - Max shaft &amp; housing fillet radius</b> | 1,5 mm  |
| <b>rNa max - Max fillet radius on segment side</b>    | 0,6 mm  |
| <b>Db min - Min stop ring position diameter</b>       | 97,9 mm |



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