

## Technical data

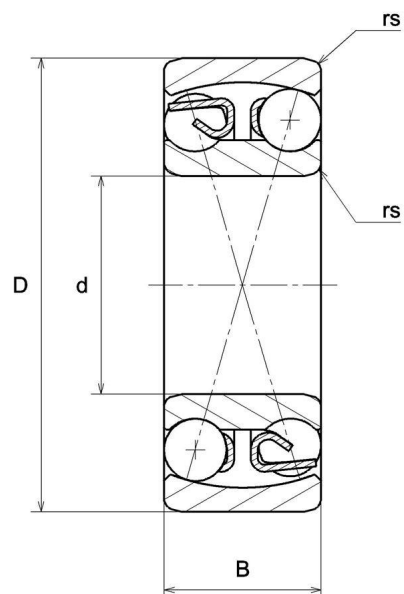
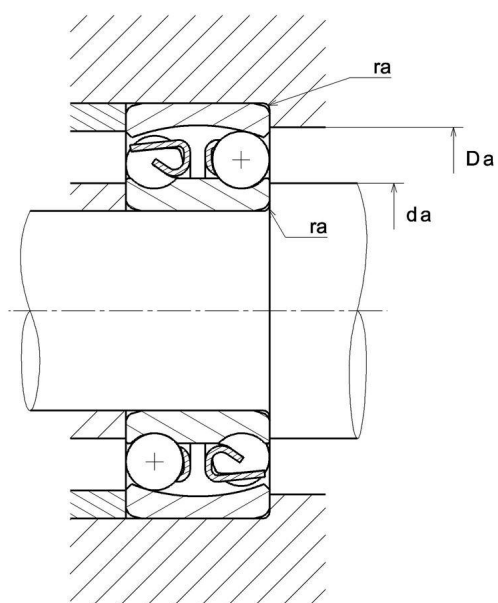
### 2312S

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

#### VISUAL (S)



## PRODUCT DEFINITION

|                                     |         |
|-------------------------------------|---------|
| <b>Brand</b>                        | NTN     |
| <b>d - Internal diameter</b>        | 60 mm   |
| <b>D - External diameter</b>        | 130 mm  |
| <b>B - Bearing/Inner ring width</b> | 46 mm   |
| <b>rs - Min fillet radius</b>       | 2,1 mm  |
| <b>Radial clearance class</b>       | CN      |
| <b>Precision class</b>              | P0      |
| <b>Mass</b>                         | 2,58 kg |

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C - Dynamic load</b>                       | 88500000 mN |
| <b>C0 - Static load</b>                       | 28300000 mN |
| <b>Cu - Fatigue limit load</b>                | 1200000 mN  |
| <b>e - Coefficient</b>                        | 0.4         |
| <b>Y0 - Static axial load coefficient</b>     | 1.6         |
| <b>Y1 - Lower axial load coefficient</b>      | 1.6         |
| <b>Y2 - Upper axial load coefficient</b>      | 2.4         |
| <b>N lim - Oil lubrication limit speed</b>    | 31800 °/s   |
| <b>N lim - Grease lubrication limit speed</b> | 25800 °/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> | 71 mm  |
| <b>Da max - Max shoulder diameter OR</b> | 119 mm |



| ABUTMENT                                   |      |
|--------------------------------------------|------|
| ra max - Max shaft & housing fillet radius | 2 mm |