

## Technical data

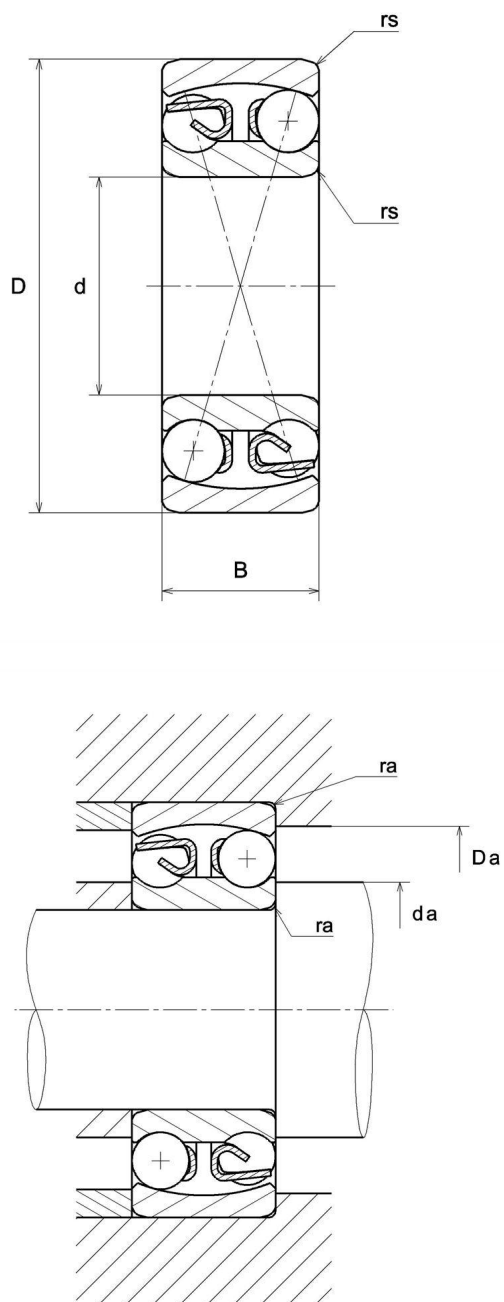
### 2204S

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

#### VISUAL (S)



## PRODUCT DEFINITION

|                              |          |
|------------------------------|----------|
| Brand                        | NTN      |
| d - Internal diameter        | 20 mm    |
| D - External diameter        | 47 mm    |
| B - Bearing/Inner ring width | 18 mm    |
| rs - Min fillet radius       | 1 mm     |
| Radial clearance class       | CN       |
| Precision class              | P0       |
| Mass                         | 0,142 kg |

## PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| C - Dynamic load                       | 12800000 mN |
| C0 - Static load                       | 3300000 mN  |
| Cu - Fatigue limit load                | 140000 mN   |
| e - Coefficient                        | 0.47        |
| Y0 - Static axial load coefficient     | 1.4         |
| Y1 - Lower axial load coefficient      | 1.3         |
| Y2 - Upper axial load coefficient      | 2.1         |
| N lim - Oil lubrication limit speed    | 102000 °/s  |
| N lim - Grease lubrication limit speed | 84000 °/s   |
| Tmin - Min operating temperature       | 253,15 °K   |
| Tmax - Max operating temperature       | 393,15 °K   |

## ABUTMENT

|                                   |       |
|-----------------------------------|-------|
| da min - Min shoulder diameter IR | 25 mm |
| Da max - Max shoulder diameter OR | 42 mm |



2204S  
Double-row self-aligning ball bearings

| ABUTMENT                                   |      |
|--------------------------------------------|------|
| ra max - Max shaft & housing fillet radius | 1 mm |