



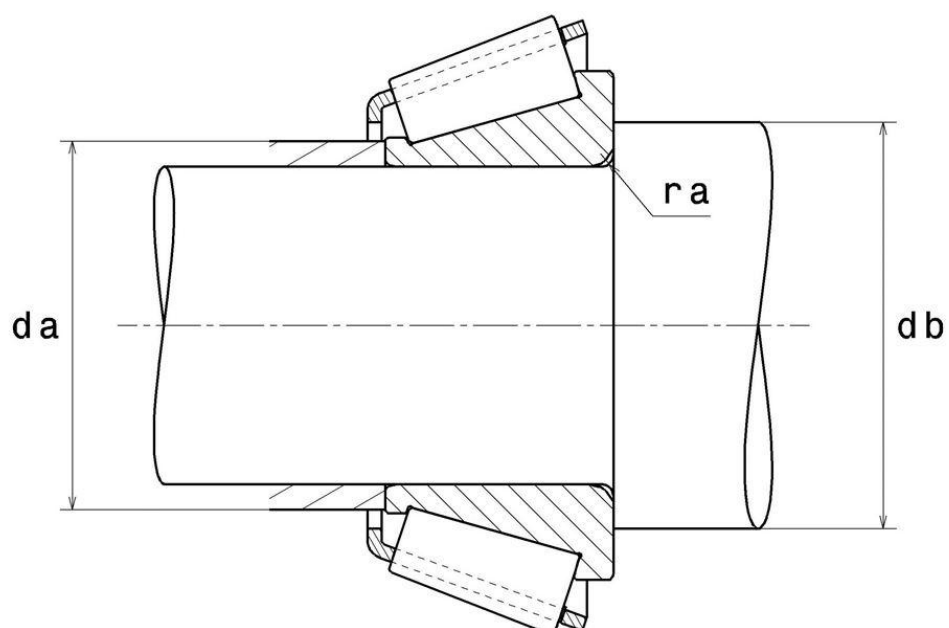
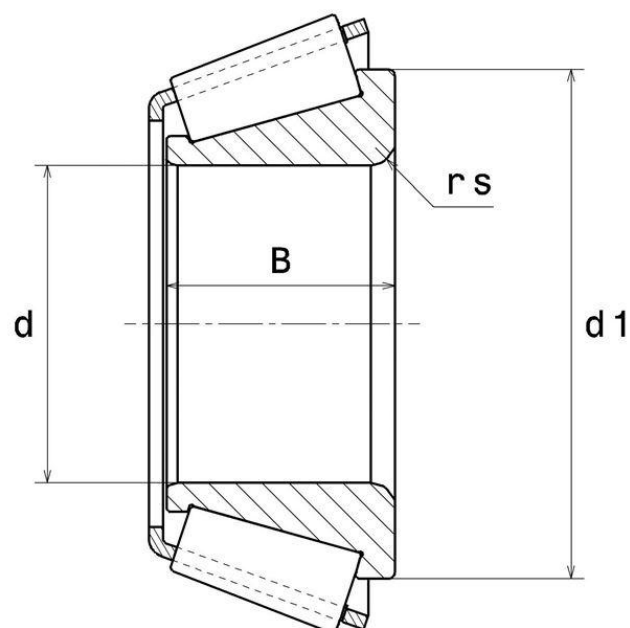
## Technical data

4T-594

Single row tapered roller bearings

Mounted cone, pressed steel cage

### VISUAL (S)



# 4T-594

Single row tapered roller bearings

## PRODUCT DEFINITION

|                                          |           |
|------------------------------------------|-----------|
| <b>Brand</b>                             | NTN       |
| <b>d - Internal diameter</b>             | 95,25 mm  |
| <b>B - Bearing/Inner ring width</b>      | 36,322 mm |
| <b>d1 - External diameter inner ring</b> | 121,2 mm  |

## PRODUCT PERFORMANCE

|                                           |              |
|-------------------------------------------|--------------|
| <b>C - Dynamic load</b>                   | 199000000 mN |
| <b>C0 - Static load</b>                   | 279000000 mN |
| <b>A2 - Rating life coefficient</b>       | 1            |
| <b>e - Coefficient</b>                    | 0.44         |
| <b>Y0 - Static axial load coefficient</b> | 0.75         |
| <b>Y2 - Upper axial load coefficient</b>  | 1.36         |

## ABUTMENT

|                                          |        |
|------------------------------------------|--------|
| <b>da max - Max shoulder diameter IR</b> | 104 mm |
| <b>db min - Min IR shoulder diameter</b> | 110 mm |
| <b>ra max - Max fillet radius</b>        | 3,5 mm |



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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

| $F_a / F_r \leq e$ |   | $F_a / F_r > e$ |    |
|--------------------|---|-----------------|----|
| X                  | Y | X               | Y  |
| 1                  | 0 | 0.4             | Y2 |

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

| $X_0$ | $Y_0$ |
|-------|-------|
| 0.5   | Y0    |

If  $P_0 \leq F_r$ , then use  $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table

