



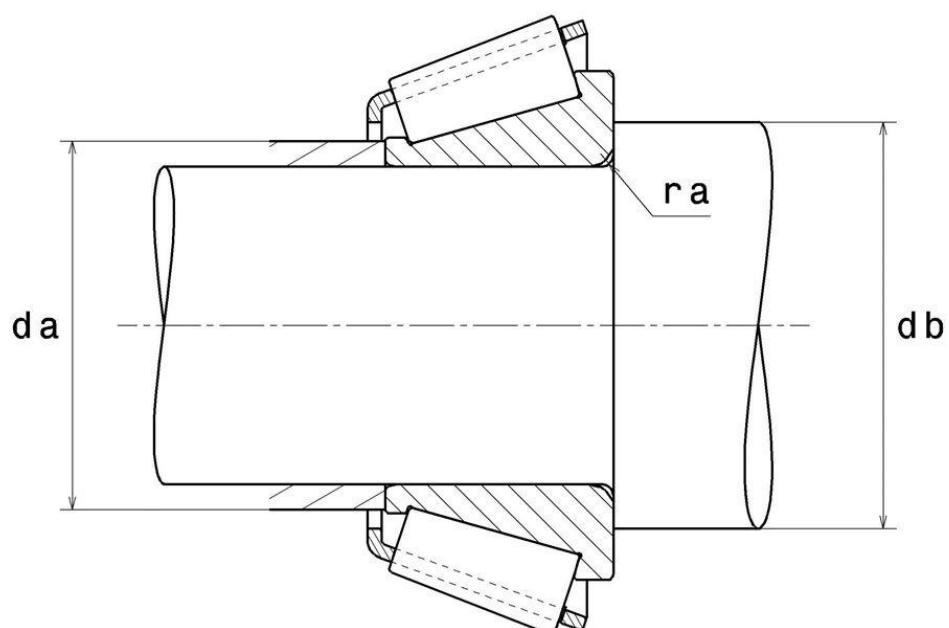
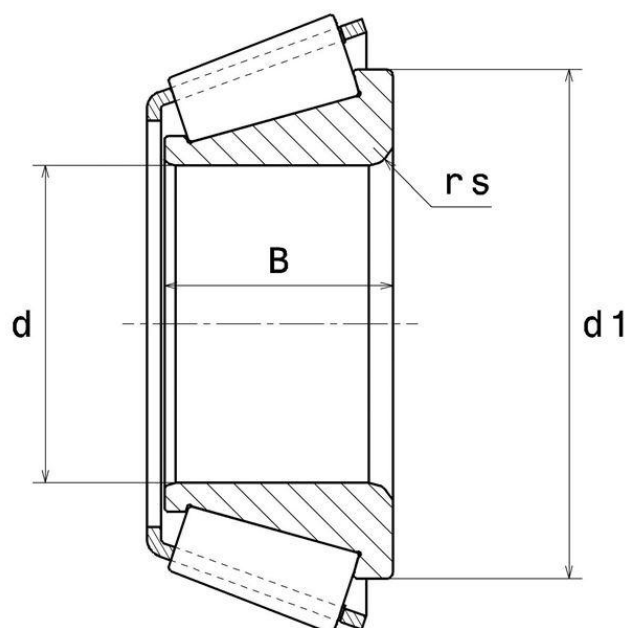
## Technical data

4T-42687

Single row tapered roller bearings

Mounted cone, pressed steel cage

### VISUAL (S)



# 4T-42687

Single row tapered roller bearings

## PRODUCT DEFINITION

|                                   |         |
|-----------------------------------|---------|
| Brand                             | NTN     |
| d - Internal diameter             | 76,2 mm |
| B - Bearing/Inner ring width      | 31 mm   |
| d1 - External diameter inner ring | 102 mm  |

## PRODUCT PERFORMANCE

|                                    |              |
|------------------------------------|--------------|
| C - Dynamic load                   | 150000000 mN |
| C0 - Static load                   | 194000000 mN |
| A2 - Rating life coefficient       | 1            |
| e - Coefficient                    | 0.42         |
| Y0 - Static axial load coefficient | 0.79         |
| Y2 - Upper axial load coefficient  | 1.43         |

## ABUTMENT

|                                   |        |
|-----------------------------------|--------|
| da max - Max shoulder diameter IR | 84 mm  |
| db min - Min IR shoulder diameter | 90 mm  |
| ra max - Max fillet radius        | 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

