



## Technical data

4T-14125A/14276

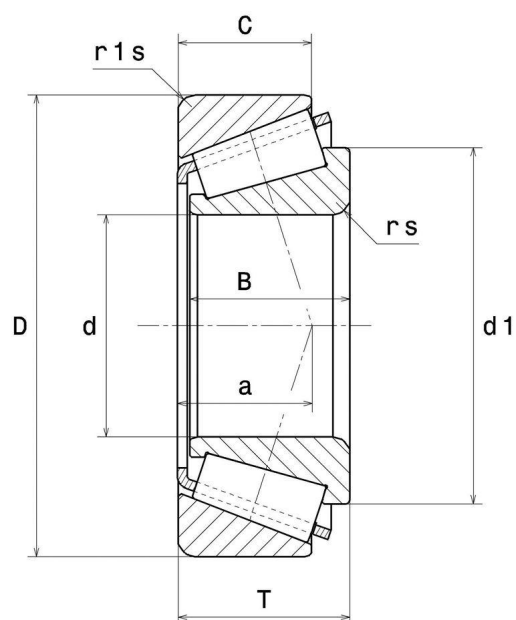
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

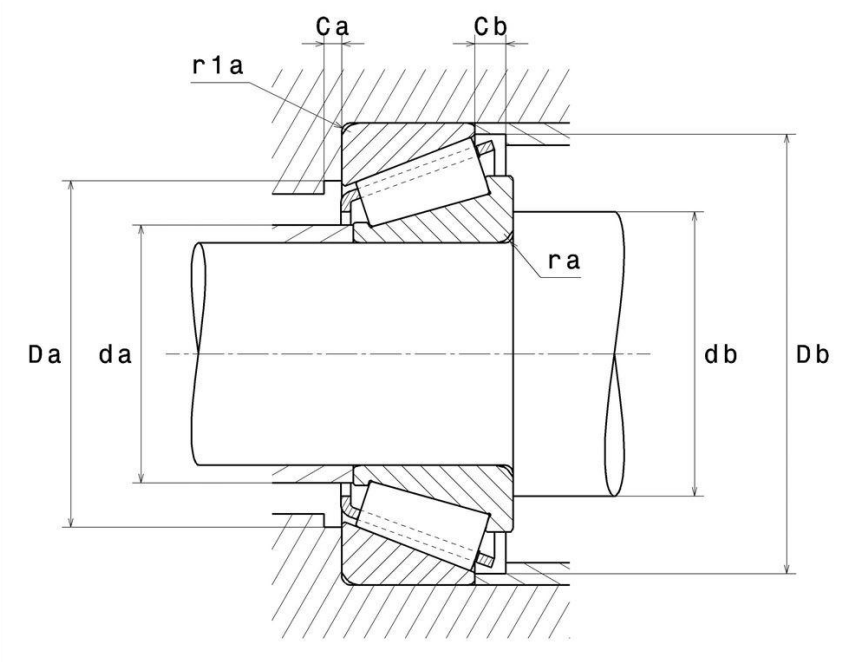
### KIT CONTENT

4T-14276, 4T-14125A

### VISUAL (S)



4T-14125A/14276  
Single row tapered roller bearings



PRODUCT DEFINITION

|                                   |           |
|-----------------------------------|-----------|
| Brand                             | NTN       |
| d - Internal diameter             | 31,75 mm  |
| D - External diameter             | 69,012 mm |
| B - Bearing/Inner ring width      | 19,583 mm |
| C - Outer ring width              | 15,875 mm |
| T - Total width                   | 19,845 mm |
| a - Charge load application point | 15,745 mm |
| Mass                              | 0,357 kg  |

PRODUCT PERFORMANCE

|                              |         |
|------------------------------|---------|
| C - Dynamic load             | 53,5 kN |
| C0 - Static load             | 58 kN   |
| Cu - Fatigue limit load      | 7,1 kN  |
| A2 - Rating life coefficient | 1       |



# 4T-14125A/14276

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>e - Coefficient</b>                        | 0.38        |
| <b>Y0 - Static axial load coefficient</b>     | 0.86        |
| <b>Y2 - Upper axial load coefficient</b>      | 1.57        |
| <b>N lim - Oil lubrication limit speed</b>    | 7400 tr/min |
| <b>N lim - Grease lubrication limit speed</b> | 5600 tr/min |
| <b>Tmin - Min operating temperature</b>       | -40 °C      |
| <b>Tmax - Max operating temperature</b>       | 120 °C      |

## ABUTMENT

|                                          |         |
|------------------------------------------|---------|
| <b>da max - Max shoulder diameter IR</b> | 37,5 mm |
| <b>db min - Min IR shoulder diameter</b> | 44 mm   |
| <b>Da max - Max shoulder diameter OR</b> | 60 mm   |
| <b>Db min - Min OR shoulder diameter</b> | 63 mm   |
| <b>ra max - Max fillet radius</b>        | 3,5 mm  |
| <b>r1a - Max fillet radius</b>           | 1,3 mm  |

## KIT COMPONENT

|                         |           |
|-------------------------|-----------|
| <b>Cone designation</b> | 4T-14125A |
| <b>Cup designation</b>  | 4T-14276  |

## ESHOPDONOTDISPLAY

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Tracepart</b>                | Oui/Yes                         |
| <b>Reference</b>                | 4T-14125A/14276                 |
| <b>Image</b>                    | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| <b>ULTAGE</b>                   | Non/No                          |
| <b>Rolling element material</b> | Acier de cémentation            |



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

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

