



## Technical data

4T-14125A/14274

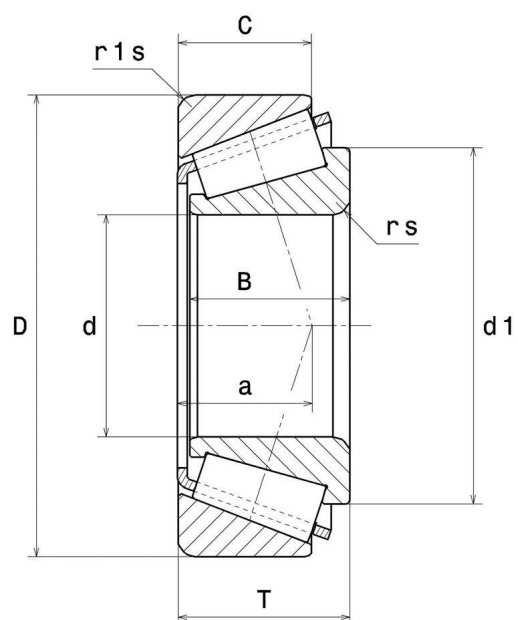
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

### KIT CONTENT

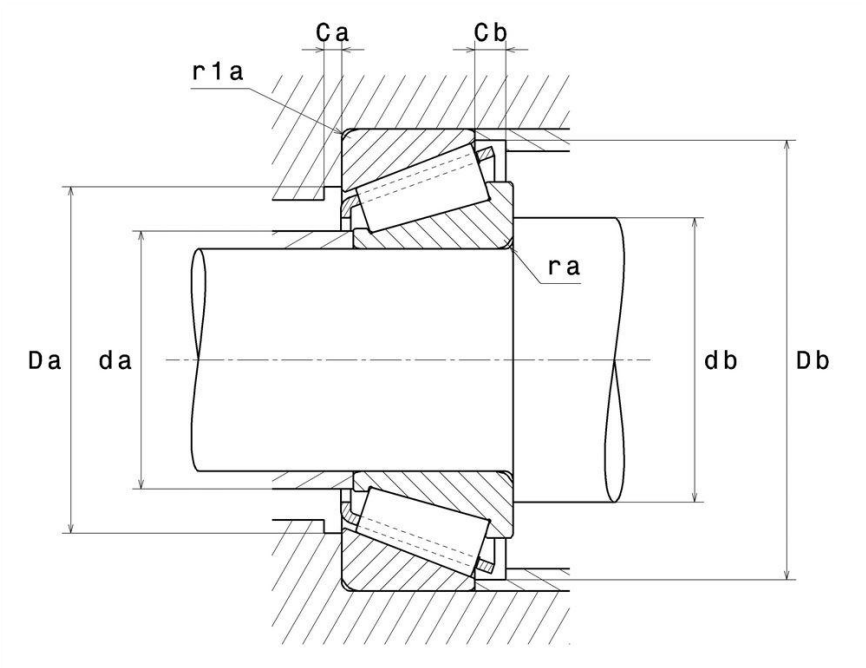
4T-14274, 4T-14125A

### VISUAL (S)



4T-14125A/14274

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 | 15,7 mm   |
| rs - Min fillet radius            | 3,5 mm    |
| r1s - Min fillet radius           | 3,3 mm    |
| Mass                              | 0,352 kg  |

| PRODUCT PERFORMANCE |         |
|---------------------|---------|
| C - Dynamic load    | 53,5 kN |
| C0 - Static load    | 58 kN   |

# 4T-14125A/14274

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>A2 - Rating life coefficient</b>           | 1           |
| <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> | 38,5 mm |
| <b>db min - Min IR shoulder diameter</b> | 44,5 mm |
| <b>Da max - Max shoulder diameter OR</b> | 59 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>           | 3,3 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

