



## Technical data

4T-29590/29521

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

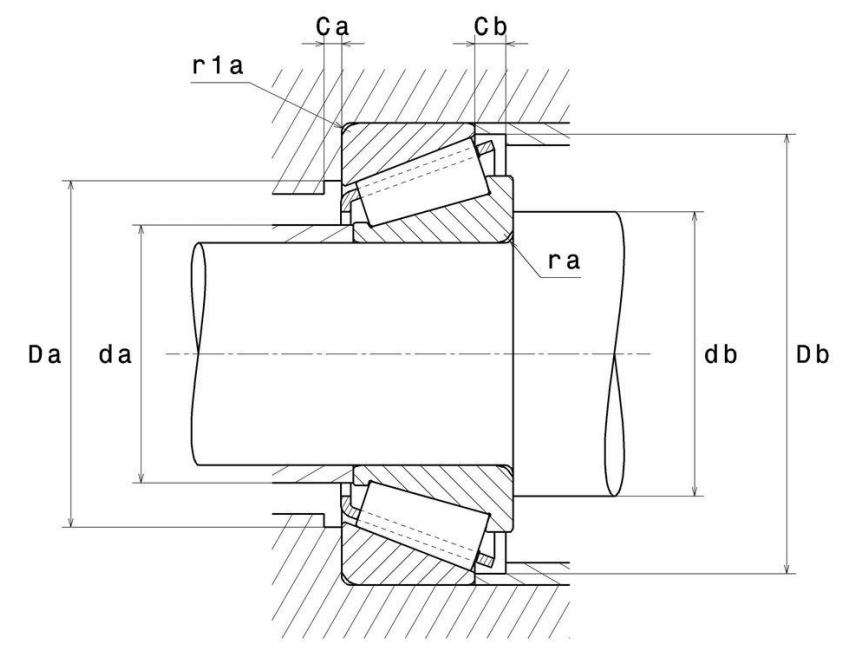
### KIT CONTENT

4T-29590, 4T-29521

### VISUAL (S)



4T-29590/29521  
Single row tapered roller bearings



PRODUCT DEFINITION

|                                   |           |
|-----------------------------------|-----------|
| Brand                             | NTN       |
| d - Internal diameter             | 66,675 mm |
| D - External diameter             | 110 mm    |
| B - Bearing/Inner ring width      | 25,4 mm   |
| C - Outer ring width              | 19,05 mm  |
| T - Total width                   | 25,4 mm   |
| a - Charge load application point | 24,8 mm   |
| rs - Min fillet radius            | 3,5 mm    |
| r1s - Min fillet radius           | 1,3 mm    |
| Mass                              | 0,91 kg   |

PRODUCT PERFORMANCE

|                  |        |
|------------------|--------|
| C - Dynamic load | 101 kN |
| C0 - Static load | 140 kN |



# 4T-29590/29521

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| A2 - Rating life coefficient           | 1           |
| e - Coefficient                        | 0.46        |
| Y0 - Static axial load coefficient     | 0.72        |
| Y2 - Upper axial load coefficient      | 1.31        |
| N lim - Oil lubrication limit speed    | 4300 tr/min |
| N lim - Grease lubrication limit speed | 3200 tr/min |
| Tmin - Min operating temperature       | -40 °C      |
| Tmax - Max operating temperature       | 120 °C      |

## ABUTMENT

|                                   |        |
|-----------------------------------|--------|
| da max - Max shoulder diameter IR | 73 mm  |
| db min - Min IR shoulder diameter | 80 mm  |
| Da max - Max shoulder diameter OR | 104 mm |
| Db min - Min OR shoulder diameter | 99 mm  |
| ra max - Max fillet radius        | 3,5 mm |
| r1a - Max fillet radius           | 1,3 mm |

## KIT COMPONENT

|                  |          |
|------------------|----------|
| Cone designation | 4T-29590 |
| Cup designation  | 4T-29521 |

## ESHOPDONOTDISPLAY

|           |                                 |
|-----------|---------------------------------|
| Tracepart | Oui/Yes                         |
| Reference | 4T-29590/29521                  |
| Image     | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| ULTAGE    | Non/No                          |



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ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

| Fa / Fr ≤ e |   | Fa / Fr > e |    |
|-------------|---|-------------|----|
| X           | Y | X           | Y  |
| 1           | 0 | 0.4         | Y2 |

Equivalent static radial load

$P_o = X_o.F_r + Y_o.F_a$

| X <sub>o</sub> | Y <sub>o</sub> |
|----------------|----------------|
| 0.5            | Y0             |

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

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

