



## Technical data

4T-39581/39520

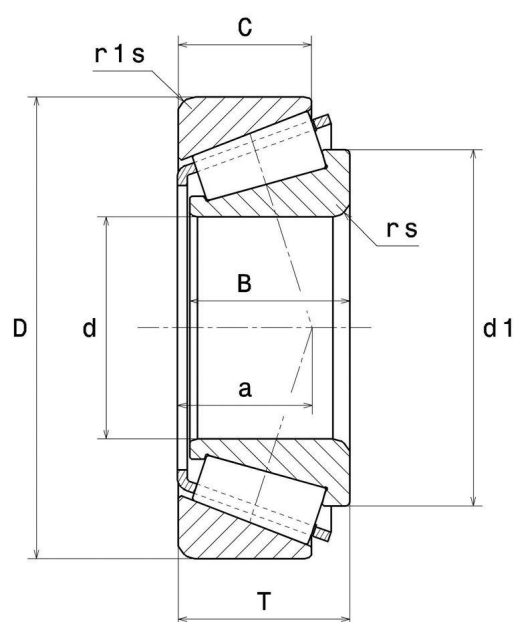
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

### KIT CONTENT

4T-39581, 4T-39520

### VISUAL (S)



4T-39581/39520  
Single row tapered roller bearings



| PRODUCT DEFINITION                |            |
|-----------------------------------|------------|
| Brand                             | NTN        |
| d - Internal diameter             | 57,15 mm   |
| D - External diameter             | 112,712 mm |
| B - Bearing/Inner ring width      | 30,162 mm  |
| C - Outer ring width              | 23,812 mm  |
| T - Total width                   | 30,162 mm  |
| d1 - External diameter inner ring | 89 mm      |
| a - Charge load application point | 23,562 mm  |
| Mass                              | 1,4 kg     |

| PRODUCT PERFORMANCE     |         |
|-------------------------|---------|
| C - Dynamic load        | 153 kN  |
| C0 - Static load        | 195 kN  |
| Cu - Fatigue limit load | 23,8 kN |

# 4T-39581/39520

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| A2 - Rating life coefficient           | 1           |
| e - Coefficient                        | 0.34        |
| Y0 - Static axial load coefficient     | 0.97        |
| Y2 - Upper axial load coefficient      | 1.77        |
| N lim - Oil lubrication limit speed    | 4200 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 | 66 mm  |
| db min - Min IR shoulder diameter | 81 mm  |
| Da max - Max shoulder diameter OR | 101 mm |
| Db min - Min OR shoulder diameter | 107 mm |
| ra max - Max fillet radius        | 8 mm   |
| r1a - Max fillet radius           | 3,3 mm |

## KIT COMPONENT

|                  |          |
|------------------|----------|
| Cone designation | 4T-39581 |
| Cup designation  | 4T-39520 |

## ESHOPDONOTDISPLAY

|           |                                 |
|-----------|---------------------------------|
| Tracepart | Oui/Yes                         |
| Reference | 4T-39581/39520                  |
| Image     | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| ULTAGE    | Non/No                          |



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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

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

$P_o = X_o.F_r + Y_o.F_a$

| $X_o$ | $Y_o$ |
|-------|-------|
| 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

