



## Technical data

4T-05079/05185

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

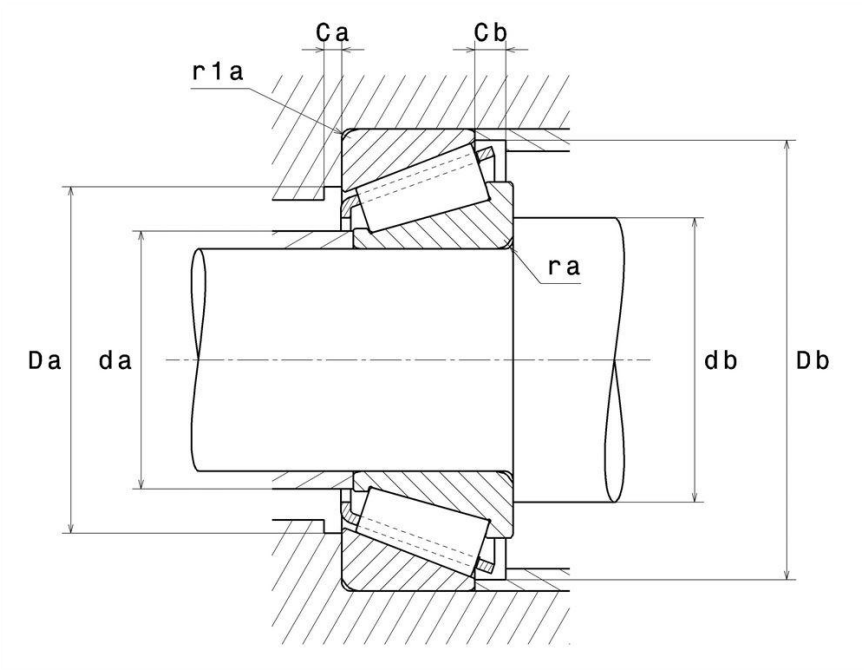
### KIT CONTENT

4T-05079, 4T-05185

### VISUAL (S)



4T-05079/05185  
Single row tapered roller bearings



| PRODUCT DEFINITION                |           |
|-----------------------------------|-----------|
| Brand                             | NTN       |
| d - Internal diameter             | 20 mm     |
| D - External diameter             | 47 mm     |
| B - Bearing/Inner ring width      | 14,381 mm |
| C - Outer ring width              | 11,112 mm |
| T - Total width                   | 14,381 mm |
| d1 - External diameter inner ring | 32,5 mm   |
| a - Charge load application point | 10,181 mm |
| Mass                              | 0,117 kg  |

| PRODUCT PERFORMANCE     |         |
|-------------------------|---------|
| C - Dynamic load        | 24 kN   |
| C0 - Static load        | 24,2 kN |
| Cu - Fatigue limit load | 2,95 kN |

## PRODUCT PERFORMANCE

|                                        |              |
|----------------------------------------|--------------|
| A2 - Rating life coefficient           | 1            |
| e - Coefficient                        | 0.36         |
| Y0 - Static axial load coefficient     | 0.92         |
| Y2 - Upper axial load coefficient      | 1.68         |
| N lim - Oil lubrication limit speed    | 11000 tr/min |
| N lim - Grease lubrication limit speed | 8600 tr/min  |
| Tmin - Min operating temperature       | -40 °C       |
| Tmax - Max operating temperature       | 120 °C       |

## ABUTMENT

|                                   |         |
|-----------------------------------|---------|
| da max - Max shoulder diameter IR | 24 mm   |
| db min - Min IR shoulder diameter | 26,5 mm |
| Da max - Max shoulder diameter OR | 40,5 mm |
| Db min - Min OR shoulder diameter | 42,5 mm |
| ra max - Max fillet radius        | 1,5 mm  |
| r1a - Max fillet radius           | 1,3 mm  |

## KIT COMPONENT

|                  |          |
|------------------|----------|
| Cone designation | 4T-05079 |
| Cup designation  | 4T-05185 |

## ESHOPDONOTDISPLAY

|           |                                 |
|-----------|---------------------------------|
| Tracepart | Oui/Yes                         |
| Reference | 4T-05079/05185                  |
| Image     | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| ULTAGE    | Non/No                          |



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

