



## Technical data

**4T-16150/16284**

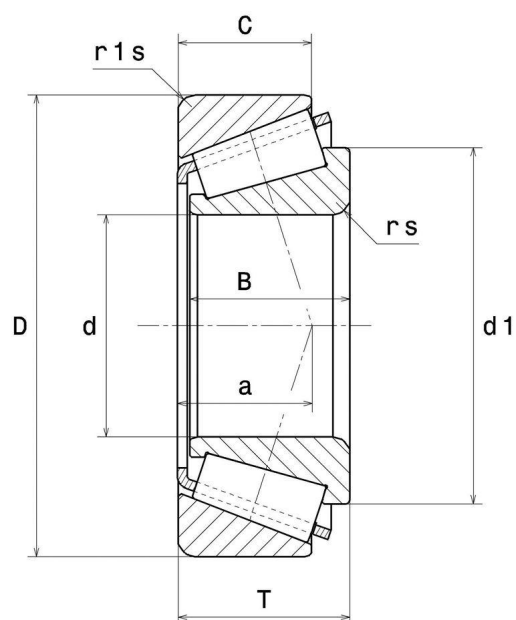
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

### KIT CONTENT

**4T-16150, 4T-16284**

### VISUAL (S)



4T-16150/16284  
Single row tapered roller bearings



| PRODUCT DEFINITION                |           |
|-----------------------------------|-----------|
| Brand                             | NTN       |
| d - Internal diameter             | 38,1 mm   |
| D - External diameter             | 72,238 mm |
| B - Bearing/Inner ring width      | 20,638 mm |
| C - Outer ring width              | 15,875 mm |
| T - Total width                   | 20,638 mm |
| d1 - External diameter inner ring | 54 mm     |
| a - Charge load application point | 16,438 mm |
| rs - Min fillet radius            | 3,5 mm    |
| r1s - Min fillet radius           | 1,3 mm    |
| Mass                              | 0,355 kg  |

| PRODUCT PERFORMANCE |       |
|---------------------|-------|
| C - Dynamic load    | 53 kN |

# 4T-16150/16284

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C0 - Static load</b>                       | 58,5 kN     |
| <b>Cu - Fatigue limit load</b>                | 7,1 kN      |
| <b>A2 - Rating life coefficient</b>           | 1           |
| <b>e - Coefficient</b>                        | 0.4         |
| <b>Y0 - Static axial load coefficient</b>     | 0.82        |
| <b>Y2 - Upper axial load coefficient</b>      | 1.49        |
| <b>N lim - Oil lubrication limit speed</b>    | 7000 tr/min |
| <b>N lim - Grease lubrication limit speed</b> | 5300 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> | 43 mm   |
| <b>db min - Min IR shoulder diameter</b> | 49,5 mm |
| <b>Da max - Max shoulder diameter OR</b> | 63 mm   |
| <b>Db min - Min OR shoulder diameter</b> | 67 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-16150 |
| <b>Cup designation</b>  | 4T-16284 |

## ESHOPDONOTDISPLAY

|                  |                |
|------------------|----------------|
| <b>Tracepart</b> | Oui/Yes        |
| <b>Reference</b> | 4T-16150/16284 |



**NTN Europe**

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
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

|                          |                                 |
|--------------------------|---------------------------------|
| Image                    | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| ULTAGE                   | Non/No                          |
| 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

$P_0 = X_0.F_r + Y_0.F_a$

|       |       |
|-------|-------|
| $X_0$ | $Y_0$ |
| 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