



## Technical data

### 4T-LM501349/LM501310

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

## KIT CONTENT

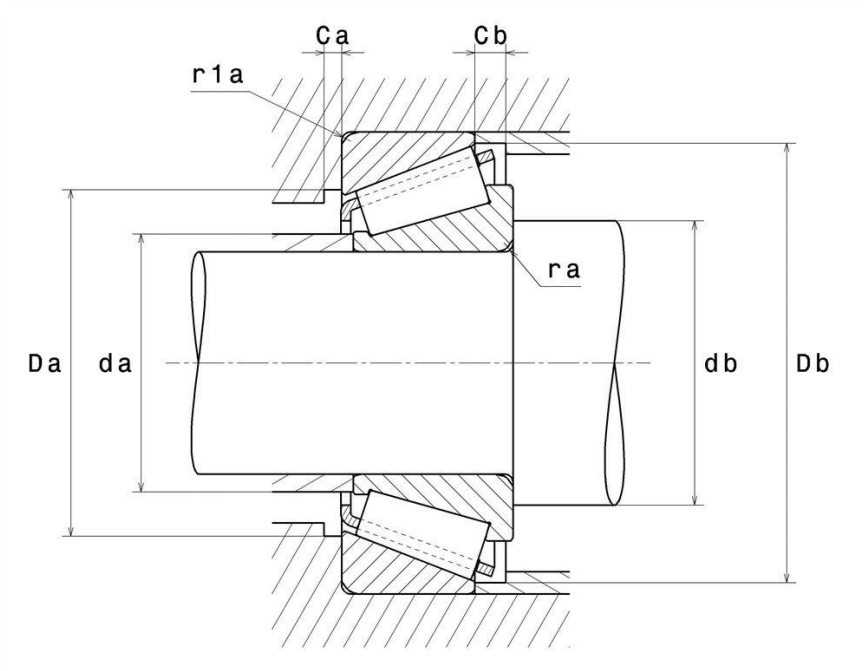
4T-LM501349, 4T-LM501310

## VISUAL (S)



4T-LM501349/LM501310

Single row tapered roller bearings



| PRODUCT DEFINITION                |           |
|-----------------------------------|-----------|
| Brand                             | NTN       |
| d - Internal diameter             | 41,275 mm |
| D - External diameter             | 73,431 mm |
| B - Bearing/Inner ring width      | 19,812 mm |
| C - Outer ring width              | 14,732 mm |
| T - Total width                   | 19,558 mm |
| d1 - External diameter inner ring | 57 mm     |
| a - Charge load application point | 16,258 mm |
| Mass                              | 0,334 kg  |

| PRODUCT PERFORMANCE     |         |
|-------------------------|---------|
| C - Dynamic load        | 62 kN   |
| C0 - Static load        | 69,5 kN |
| Cu - Fatigue limit load | 8,5 kN  |

# 4T-LM501349/LM501310

Single row tapered roller bearings

## PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| A2 - Rating life coefficient           | 1           |
| e - Coefficient                        | 0.4         |
| Y0 - Static axial load coefficient     | 0.83        |
| Y2 - Upper axial load coefficient      | 1.5         |
| N lim - Oil lubrication limit speed    | 6600 tr/min |
| N lim - Grease lubrication limit speed | 5000 tr/min |
| Tmin - Min operating temperature       | -40 °C      |
| Tmax - Max operating temperature       | 120 °C      |

## ABUTMENT

|                                   |         |
|-----------------------------------|---------|
| da max - Max shoulder diameter IR | 46,5 mm |
| db min - Min IR shoulder diameter | 53 mm   |
| Da max - Max shoulder diameter OR | 67 mm   |
| Db min - Min OR shoulder diameter | 70 mm   |
| ra max - Max fillet radius        | 3,5 mm  |
| r1a - Max fillet radius           | 0,8 mm  |

## KIT COMPONENT

|                  |             |
|------------------|-------------|
| Cone designation | 4T-LM501349 |
| Cup designation  | 4T-LM501310 |

## ESHOPDONOTDISPLAY

|           |                                 |
|-----------|---------------------------------|
| Tracepart | Oui/Yes                         |
| Reference | 4T-LM501349/LM501310            |
| 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

$P = X.F_r + Y.F_a$

| $F_a / F_r \leq e$ |   | $F_a / F_r > e$ |    |
|--------------------|---|-----------------|----|
| 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

