



## Technical data

4T-JM738249/JM738210

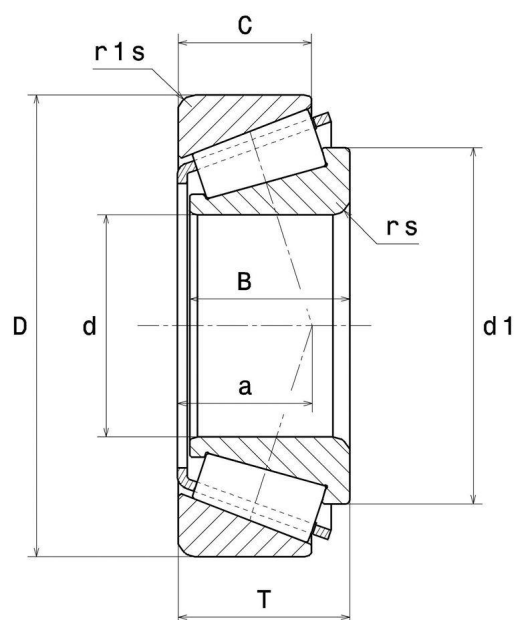
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

### KIT CONTENT

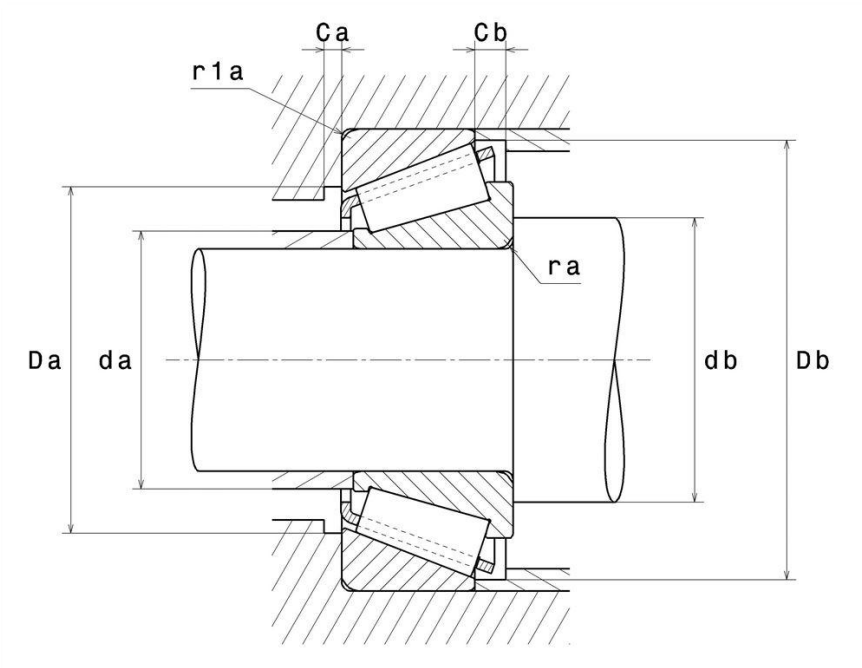
4T-JM738210

### VISUAL (S)



4T-JM738249/JM738210

Single row tapered roller bearings



| PRODUCT DEFINITION                |         |
|-----------------------------------|---------|
| Brand                             | NTN     |
| d - Internal diameter             | 190 mm  |
| D - External diameter             | 260 mm  |
| B - Bearing/Inner ring width      | 44 mm   |
| C - Outer ring width              | 36,5 mm |
| T - Total width                   | 46 mm   |
| d1 - External diameter inner ring | 227 mm  |
| a - Charge load application point | 56,9 mm |
| Mass                              | 6,84 kg |

| PRODUCT PERFORMANCE     |         |
|-------------------------|---------|
| C - Dynamic load        | 405 kN  |
| C0 - Static load        | 720 kN  |
| Cu - Fatigue limit load | 68,9 kN |

# 4T-JM738249/JM738210

## Single row tapered roller bearings

### PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>A2 - Rating life coefficient</b>           | 1           |
| <b>e - Coefficient</b>                        | 0.48        |
| <b>Y0 - Static axial load coefficient</b>     | 0.69        |
| <b>Y2 - Upper axial load coefficient</b>      | 1.26        |
| <b>N lim - Oil lubrication limit speed</b>    | 1600 tr/min |
| <b>N lim - Grease lubrication limit speed</b> | 1200 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> | 200 mm |
| <b>db min - Min IR shoulder diameter</b> | 206 mm |
| <b>Da max - Max shoulder diameter OR</b> | 242 mm |
| <b>Db min - Min OR shoulder diameter</b> | 252 mm |
| <b>ra max - Max fillet radius</b>        | 3 mm   |
| <b>r1a - Max fillet radius</b>           | 2,5 mm |

### KIT COMPONENT

|                         |             |
|-------------------------|-------------|
| <b>Cone designation</b> | 4T-JM738249 |
| <b>Cup designation</b>  | 4T-JM738210 |

### ESHOPDONOTDISPLAY

|                  |                                 |
|------------------|---------------------------------|
| <b>Tracepart</b> | Oui/Yes                         |
| <b>Reference</b> | 4T-JM738249/JM738210            |
| <b>Image</b>     | TRB_1.jpg, TRB_2.jpg, TRB_3.jpg |
| <b>ULTAGE</b>    | 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

