

## Technical data

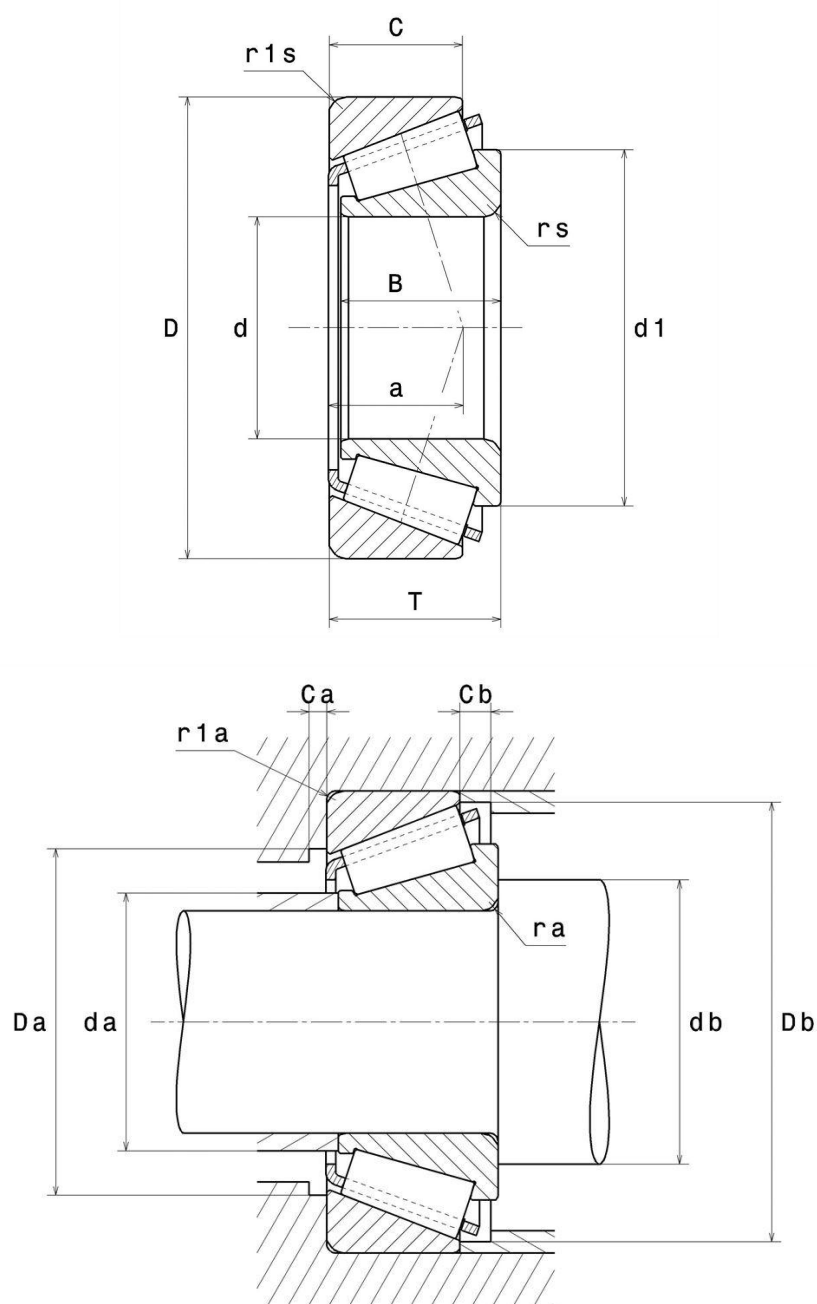
### 30221U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



#### VISUAL (S)



| PRODUCT DEFINITION                |         |
|-----------------------------------|---------|
| Brand                             | NTN     |
| d - Internal diameter             | 105 mm  |
| D - External diameter             | 190 mm  |
| B - Bearing/Inner ring width      | 36 mm   |
| C - Outer ring width              | 30 mm   |
| T - Total width                   | 39 mm   |
| a - Charge load application point | 38 mm   |
| rs - Min fillet radius            | 2,5 mm  |
| r1s - Min fillet radius           | 2 mm    |
| Mass                              | 4,45 kg |
| ISO 355 reference                 | T3FB105 |

| PRODUCT PERFORMANCE                    |              |
|----------------------------------------|--------------|
| C - Dynamic load                       | 320000000 mN |
| C0 - Static load                       | 380000000 mN |
| Cu - Fatigue limit load                | 41000000 mN  |
| A2 - Rating life coefficient           | 1            |
| e - Coefficient                        | 0.42         |
| Y0 - Static axial load coefficient     | 0.79         |
| Y2 - Upper axial load coefficient      | 1.43         |
| N lim - Oil lubrication limit speed    | 15000 °/s    |
| N lim - Grease lubrication limit speed | 11400 °/s    |
| Tmin - Min operating temperature       | 233,15 °K    |
| Tmax - Max operating temperature       | 393,15 °K    |



| ABUTMENT                          |        |
|-----------------------------------|--------|
| da max - Max shoulder diameter IR | 119 mm |
| db min - Min IR shoulder diameter | 122 mm |
| Da max - Max shoulder diameter OR | 178 mm |
| Db min - Min OR shoulder diameter | 178 mm |
| ra max - Max fillet radius        | 2,5 mm |
| r1a - Max fillet radius           | 2 mm   |

| OE EQUIVALENTS |                       |
|----------------|-----------------------|
| Manufacturer   | Part number           |
| Iveco          | 1102864               |
| Renault Trucks | 23430221   5000020631 |

| AUTOMOTIVE COMPATIBILITY |                 |                      |                    |          |          |
|--------------------------|-----------------|----------------------|--------------------|----------|----------|
| Brand                    | Model           | Generation           | Date               | Location | Position |
| Iveco                    | EUROCARGO I-III | EUROCARGO I-III      | 01/1991 => 09/2015 |          | Rear     |
| Iveco                    | EUROCARGO I-III | EUROCARGO I-III      | 05/2005 => 09/2015 |          |          |
| Iveco                    | EUROCARGO V     | EUROCARGO V          | 09/2015 =>         |          | Rear     |
| Iveco                    | EUROTECH MP     | EUROTECH MP          | 11/1999 =>         |          | Rear     |
| Iveco                    | EUROTRAKKER     | EUROTRAKKER          | 01/1993 => 11/2004 |          | Rear     |
| Iveco                    | P/PA            | P/PA                 | 01/1983 => 12/1993 |          | Rear     |
| Iveco                    | P/PA-Haubenfahr | P/PA-Haubenfahrzeuge | 07/1983 => 12/1993 |          | Rear     |
| Iveco                    | TRAKKER I       | TRAKKER I            | 10/2004 =>         |          |          |
| Iveco                    | TRAKKER I       | TRAKKER I            | 10/2004 =>         |          | Rear     |
| Iveco                    | TURBOCITY       | TURBOCITY            | 01/1991 => 12/1996 |          | Rear     |



| AUTOMOTIVE COMPATIBILITY |           |            |                    |          |          |
|--------------------------|-----------|------------|--------------------|----------|----------|
| Brand                    | Model     | Generation | Date               | Location | Position |
| Iveco                    | TURBOCITY | TURBOCITY  | 01/1992 => 12/1994 |          |          |

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>0</sub> | Y <sub>0</sub> |
| 0.5            | Y0             |

If Po ≤Fr, then use Po = Fr

The values for e, Y2 and Y0 are shown in the above table