



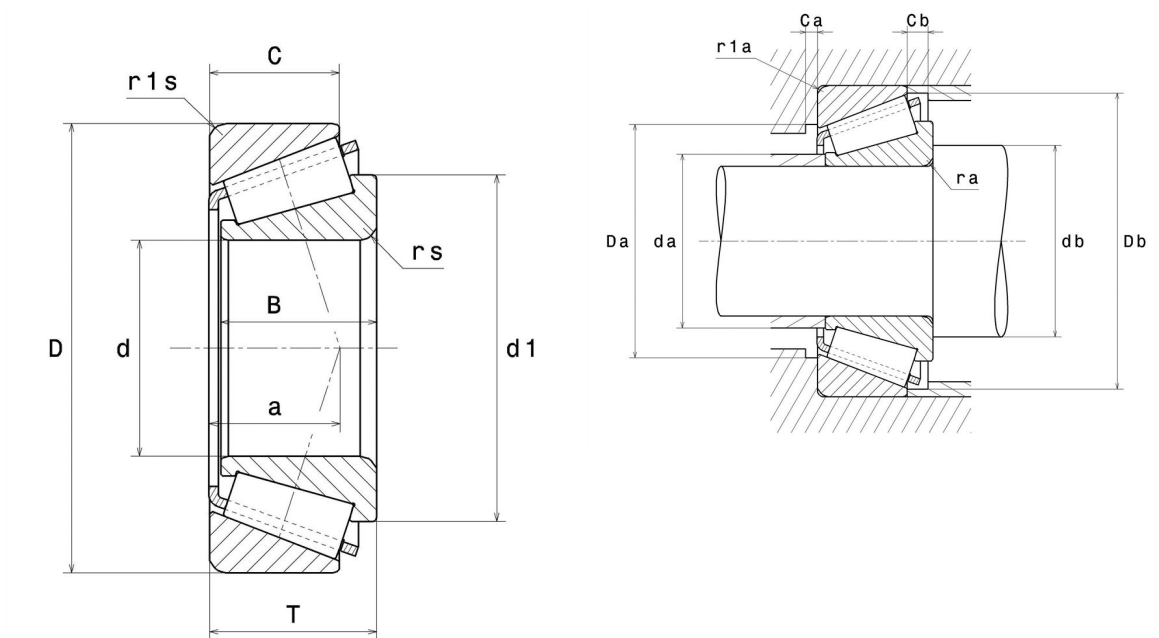
## Technical data

### 32322U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

## Visual(s)



## Product definition

<b>d</b>	110 mm
<b>D</b>	240 mm
<b>B</b>	80 mm
<b>C</b>	65 mm
<b>T</b>	84.5 mm
<b>a</b>	57.5 mm
<b>rs min</b>	3 mm
<b>r1s min</b>	2.5 mm
<b>e</b>	0.35
<b>Y2</b>	1.74
<b>Y0</b>	0.96
<b>Mass</b>	18 kg
<b>ISO 355 reference</b>	T2GD110
<b>Brand</b>	NTN

## Product performance

<b>Dynamic load, C</b>	705 kN
<b>Rating life coefficient, A2</b>	1
<b>Static load, C0</b>	970 kN
<b>Nlim (oil)</b>	2,200 Tr/min
<b>Nlim (grease)</b>	1,600 Tr/min
<b>Min operating temperature, Tmin</b>	-40 °C
<b>Max operating temperature, Tmax</b>	120 °C

## Abutment dimensions

<b>da max</b>	128 mm
<b>db min</b>	135 mm
<b>Da max</b>	226 mm
<b>Db min</b>	222 mm
<b>ra max</b>	3 mm
<b>r1a max</b>	2.5 mm

## Calculation 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

$$P_0 = X_0.F_r + Y_0.F_a$$

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

If  $P_0 < F_r$ , then use  $P_0 = F_r$

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