



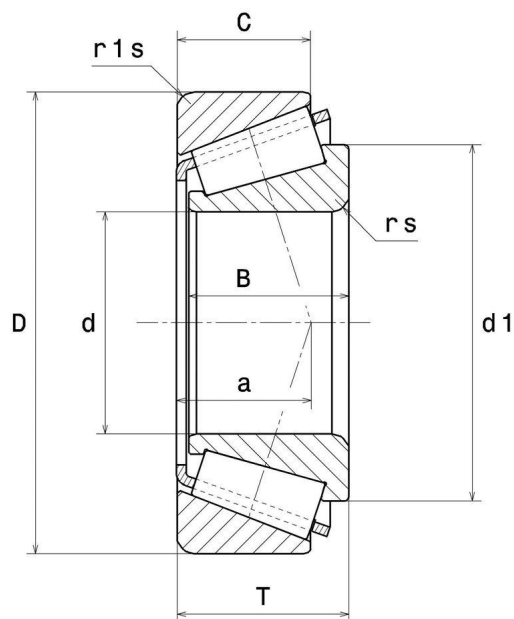
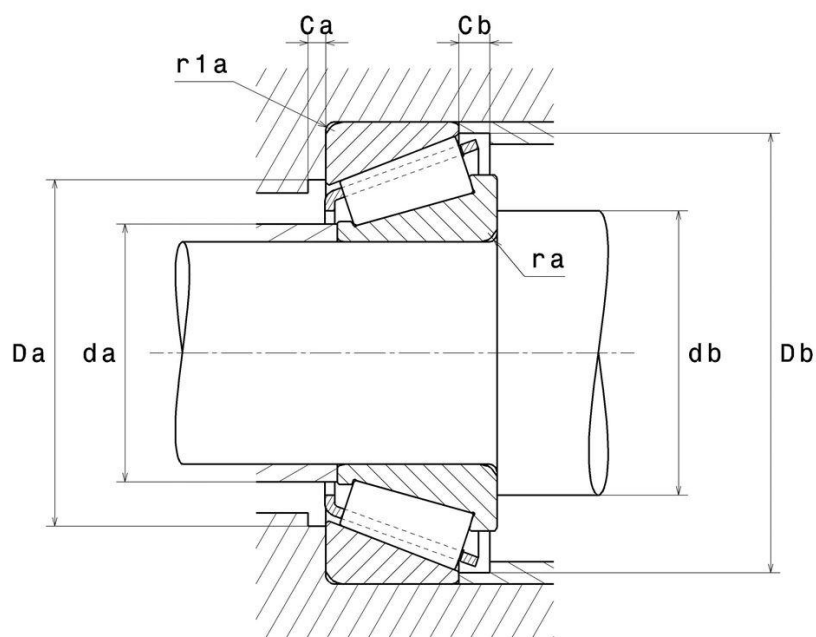
**Technical data**

**4T-L44643/L44610**

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

**VISUAL (S)**



# 4T-L44643/L44610

Single row tapered roller bearings

## PRODUCT DIMENSIONS

<b>Internal diameter d</b>	25,4 mm
<b>External diameter D</b>	50,292 mm
<b>Bearing/Inner ring width(B)</b>	14,732 mm
<b>Outer ring width (C )</b>	10,668 mm
<b>Total width (T)</b>	14,224 mm
<b>External diameter inner ring d1</b>	39 mm
<b>Charge load application point a</b>	10,824 mm
<b>Coef e</b>	0.37
<b>Upper axial load coef (Y2)</b>	1.6
<b>Static axial load coef (Y0)</b>	0.88
<b>Mass</b>	0,13 kg
<b>Brand</b>	NTN

## PRODUCT PERFORMANCE

<b>Dynamic load, C</b>	32 kN
<b>Rating life coefficient, A2</b>	1.0
<b>Static load, C0</b>	34 kN
<b>Fatigue limit load, Cu</b>	4,15 kN
<b>Nlim (oil)</b>	9900 tr/min
<b>Nlim (grease)</b>	7400 tr/min
<b>Min operating temperature, Tmin</b>	-40 °C
<b>Max operating temperature, Tmax</b>	120 °C
<b>Characteristic cage frequency, FTF</b>	0.432 Hz
<b>Characteristic rolling element frequency, BSF</b>	6.978 Hz
<b>Characteristic outer ring frequency, BPF0</b>	8.635 Hz
<b>Characteristic inner ring frequency, BRFI</b>	11.365 Hz

## ABUTMENT

<b>Max shoulder diameter IR da max</b>	29,5 mm
<b>Min IR shoulder diameter (db min)</b>	31,5 mm
<b>Max shoulder diameter OR Da max</b>	44,5 mm
<b>Min OR shoulder diameter Db min</b>	47 mm
<b>Max fillet radius ra max</b>	1,3 mm

**ABUTMENT**

Maxi fillet radius r1a

1,3 mm

**INDUSTRY CALCUL FACTORS**

**Equivalent dynamic radial load**

$$P = X.Fr + Y.Fa$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

**Equivalent static radial load**

$$Po = Xo.Fr + Yo.Fa$$

Xo	Yo
0.5	Yo

If  $Po < Fr$ , then use  $Po = Fr$

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