



## Technical data

4T-M84548/M84510

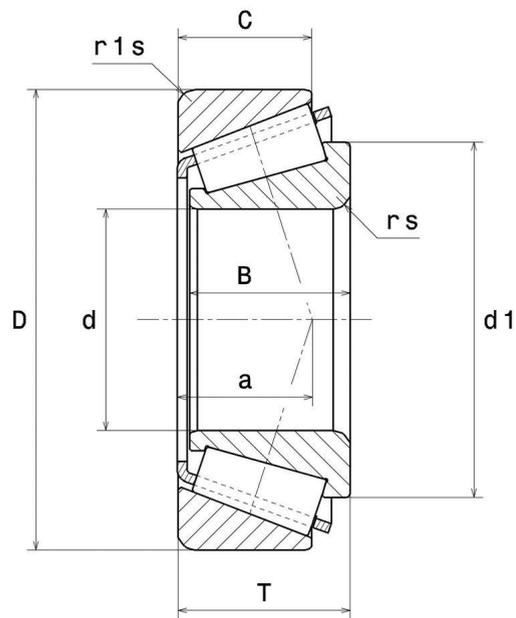
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

### KIT CONTENT

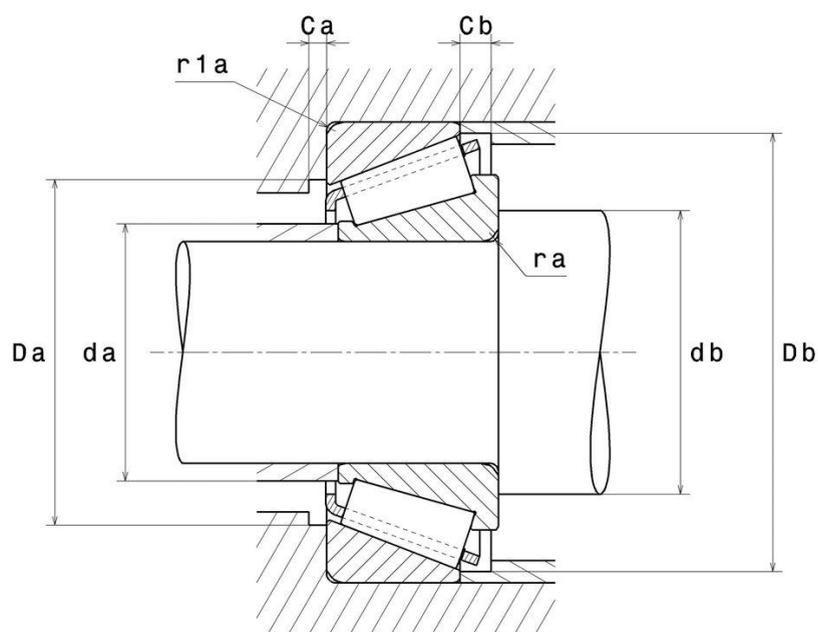
4T-M84548, 4T-M84510

### VISUAL (S)



# 4T-M84548/M84510

Single row tapered roller bearings



## PRODUCT DEFINITION

<b>Brand</b>	NTN
<b>d - Internal diameter</b>	25,4 mm
<b>D - External diameter</b>	57,15 mm
<b>B - Bearing/Inner ring width</b>	19,431 mm
<b>C - Outer ring width</b>	14,732 mm
<b>T - Total width</b>	19,431 mm
<b>d1 - External diameter inner ring</b>	43,2 mm
<b>a - Charge load application point</b>	16,031 mm
<b>Mass</b>	0,244 kg

## PRODUCT PERFORMANCE

<b>C - Dynamic load</b>	47000000 mN
<b>C0 - Static load</b>	48500000 mN
<b>Cu - Fatigue limit load</b>	5900000 mN



**NTN Europe**

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 S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
 SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

# 4T-M84548/M84510

Single row tapered roller bearings

## PRODUCT PERFORMANCE

<b>A2 - Rating life coefficient</b>	1
<b>e - Coefficient</b>	0.55
<b>Y0 - Static axial load coefficient</b>	0.6
<b>Y2 - Upper axial load coefficient</b>	1.1
<b>N lim - Oil lubrication limit speed</b>	55200 °/s
<b>N lim - Grease lubrication limit speed</b>	41400 °/s
<b>Tmin - Min operating temperature</b>	233,15 °K
<b>Tmax - Max operating temperature</b>	393,15 °K

## ABUTMENT

<b>da max - Max shoulder diameter IR</b>	33 mm
<b>db min - Min IR shoulder diameter</b>	36 mm
<b>Da max - Max shoulder diameter OR</b>	48,5 mm
<b>Db min - Min OR shoulder diameter</b>	54 mm
<b>ra max - Max fillet radius</b>	1,5 mm
<b>r1a - Max fillet radius</b>	1,5 mm



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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**

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

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

If  $P_0 \leq F_r$ , then use  $P_0 = F_r$

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

