



Technical data

4T-482/472

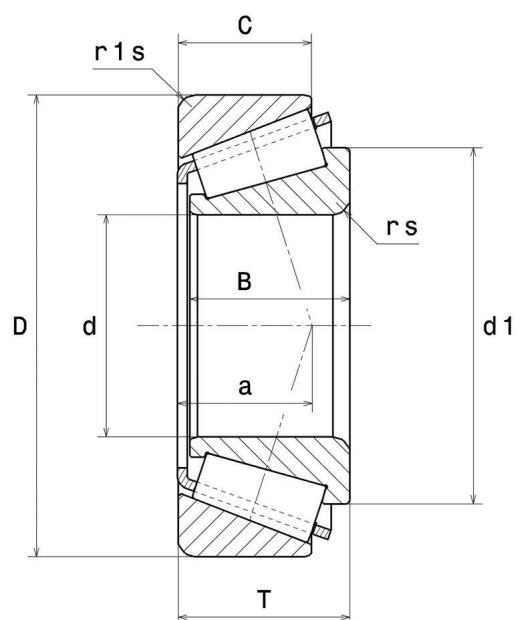
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

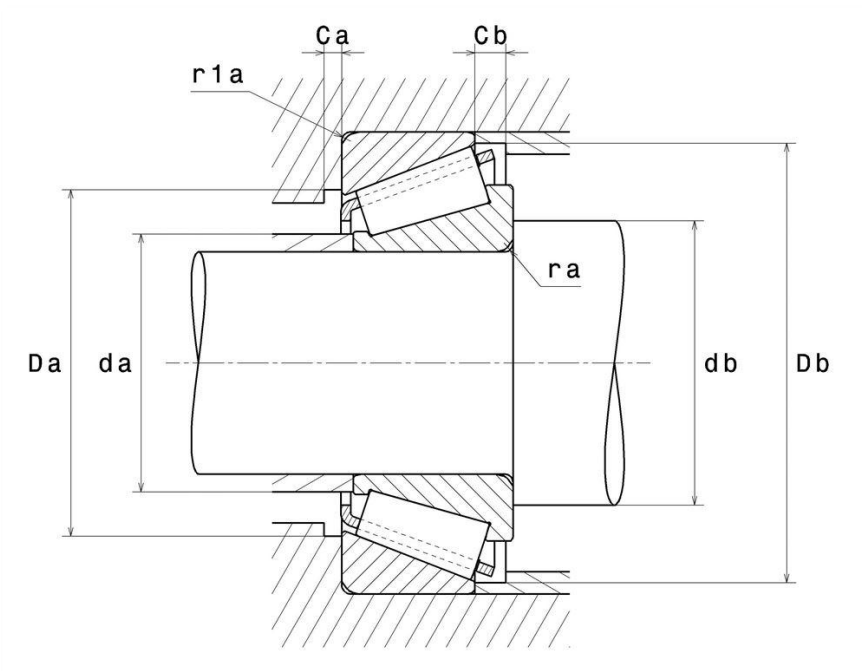
4T-482, 4T-472

VISUAL (S)



4T-482/472

Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	69,85 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	29,007 mm
C - Outer ring width	24,237 mm
T - Total width	29,794 mm
d1 - External diameter inner ring	93 mm
a - Charge load application point	25,894 mm
Mass	1,33 kg

PRODUCT PERFORMANCE	
C - Dynamic load	142 kN
C0 - Static load	177 kN
Cu - Fatigue limit load	21,6 kN

4T-482/472

Single row tapered roller bearings

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.38
Y0 - Static axial load coefficient	0.86
Y2 - Upper axial load coefficient	1.56
N lim - Oil lubrication limit speed	4000 tr/min
N lim - Grease lubrication limit speed	3000 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	77 mm
db min - Min IR shoulder diameter	83 mm
Da max - Max shoulder diameter OR	107 mm
Db min - Min OR shoulder diameter	114 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	2 mm

KIT COMPONENT

Cone designation	4T-482
Cup designation	4T-472

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-482/472
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

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 _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

