



Technical data

4T-29585/29521

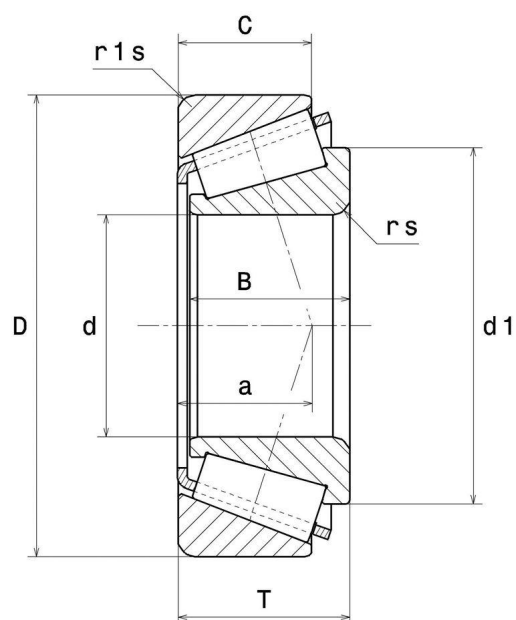
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

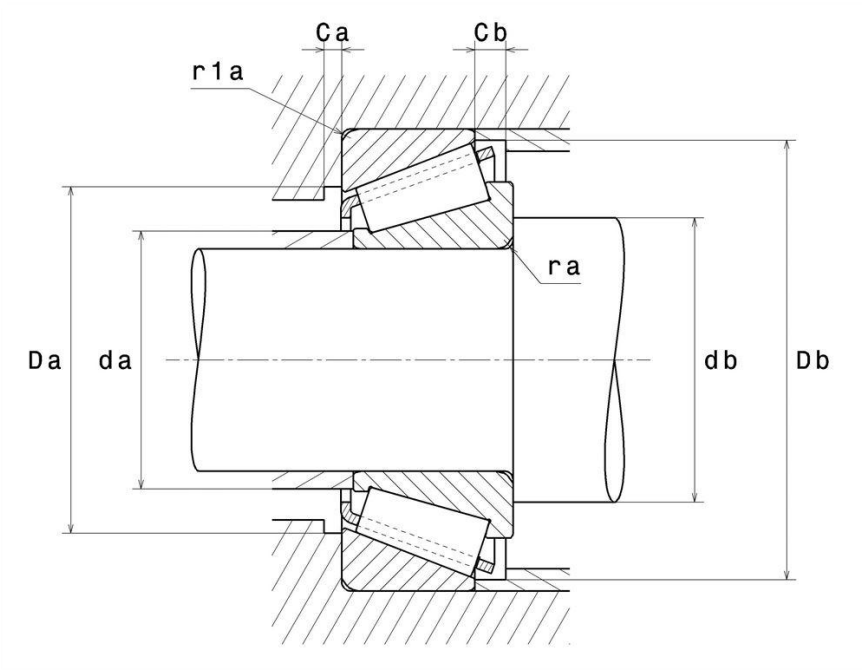
KIT CONTENT

4T-29585, 4T-29521

VISUAL (S)



4T-29585/29521
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	63,5 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	25,4 mm
C - Outer ring width	19,05 mm
T - Total width	25,4 mm
d1 - External diameter inner ring	89 mm
a - Charge load application point	24,8 mm
Mass	0,982 kg

PRODUCT PERFORMANCE	
C - Dynamic load	101 kN
C0 - Static load	140 kN
Cu - Fatigue limit load	17,1 kN

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.46
Y0 - Static axial load coefficient	0.72
Y2 - Upper axial load coefficient	1.31
N lim - Oil lubrication limit speed	4300 tr/min
N lim - Grease lubrication limit speed	3200 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	71 mm
db min - Min IR shoulder diameter	77 mm
Da max - Max shoulder diameter OR	99 mm
Db min - Min OR shoulder diameter	104 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	1,3 mm

KIT COMPONENT

Cone designation	4T-29585
Cup designation	4T-29521

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-29585/29521
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



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

