



Technical data

4T-42381/42584

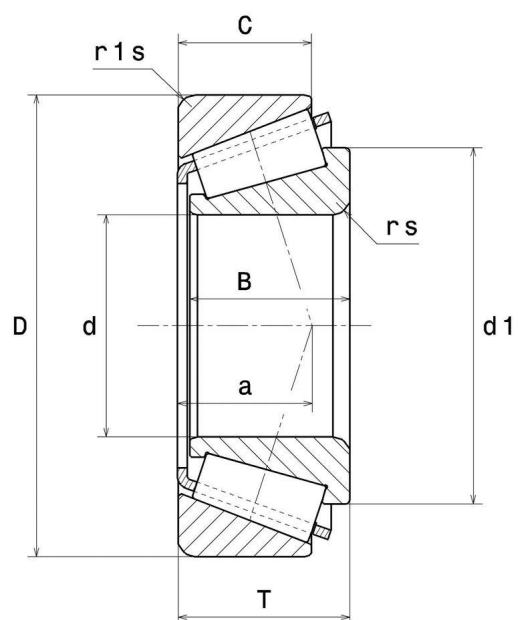
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

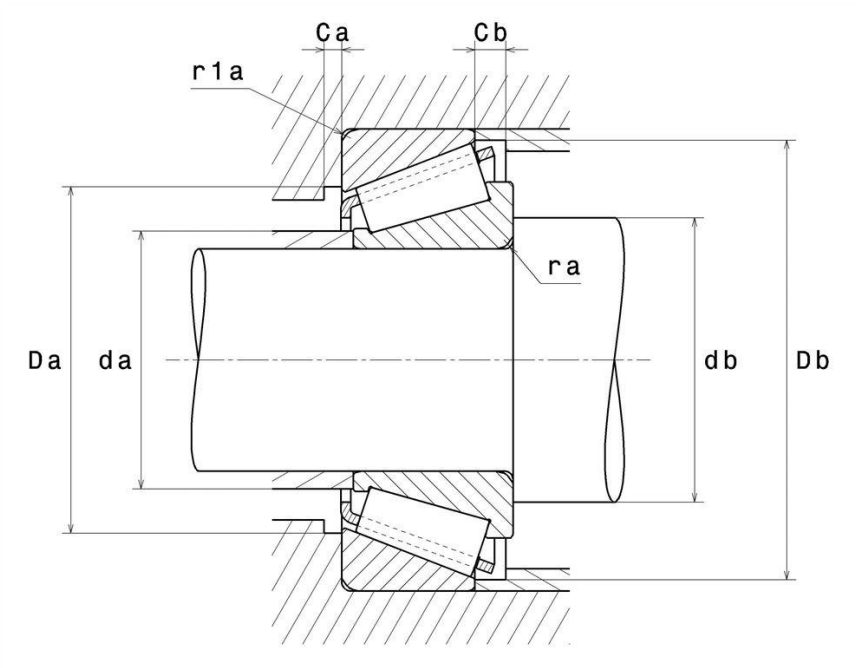
KIT CONTENT

4T-42381, 4T-42584

VISUAL (S)



4T-42381/42584
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	96,838 mm
D - External diameter	148,43 mm
B - Bearing/Inner ring width	28,971 mm
C - Outer ring width	21,433 mm
T - Total width	28,575 mm
d1 - External diameter inner ring	122,4 mm
a - Charge load application point	31,575 mm
Mass	1,69 kg

PRODUCT PERFORMANCE	
C - Dynamic load	153 kN
C0 - Static load	215 kN
Cu - Fatigue limit load	24,7 kN

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.49
Y0 - Static axial load coefficient	0.67
Y2 - Upper axial load coefficient	1.22
N lim - Oil lubrication limit speed	3100 tr/min
N lim - Grease lubrication limit speed	2300 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	104 mm
db min - Min IR shoulder diameter	110 mm
Da max - Max shoulder diameter OR	134 mm
Db min - Min OR shoulder diameter	142 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3 mm

KIT COMPONENT

Cone designation	4T-42381
Cup designation	4T-42584

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-42381/42584
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

