

Technical data

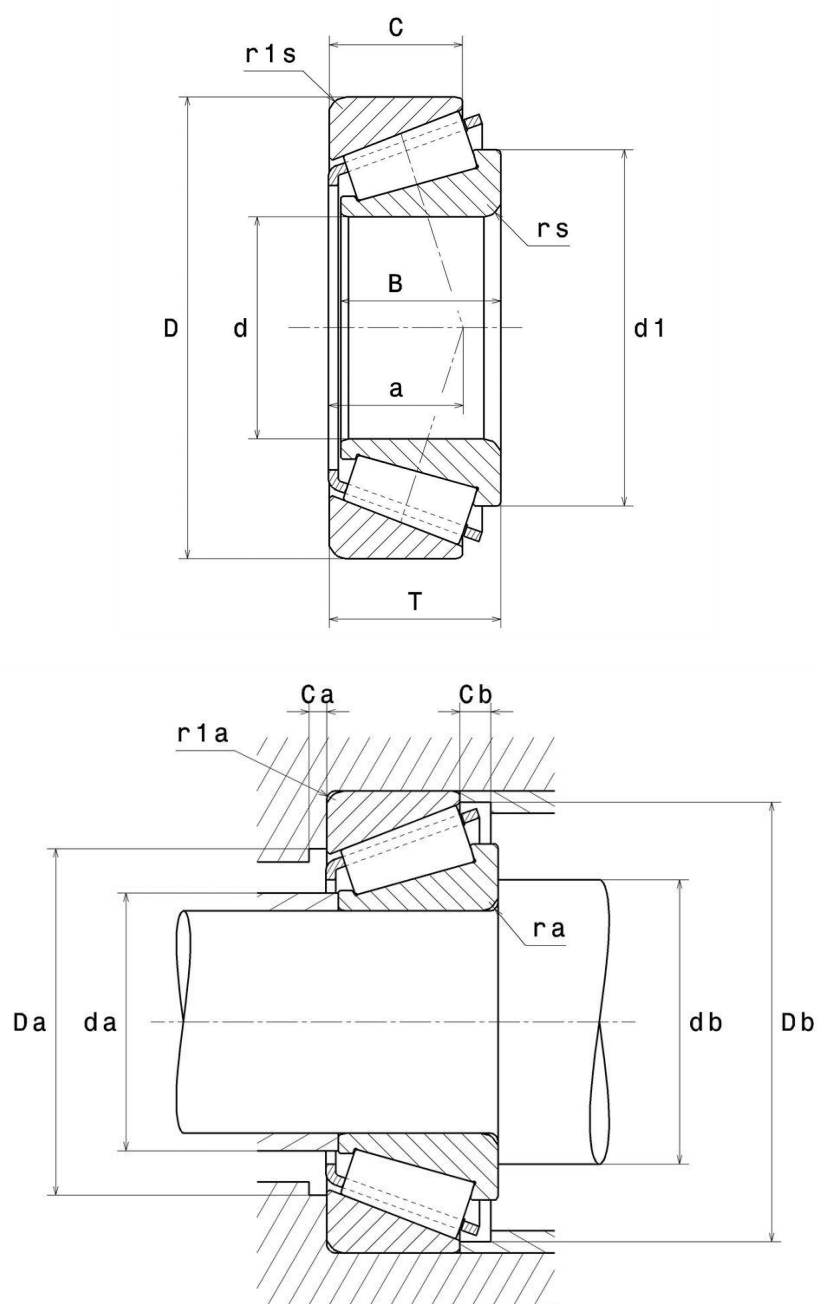
4T-30205

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	25 mm
D - External diameter	52 mm
B - Bearing/Inner ring width	15 mm
C - Outer ring width	13 mm
T - Total width	16,25 mm
d1 - External diameter inner ring	38 mm
a - Charge load application point	12,5 mm
rs - Min fillet radius	1 mm
r1s - Min fillet radius	1 mm
Mass	0,155 kg
ISO 355 reference	T3CC025

PRODUCT PERFORMANCE

C - Dynamic load	35 kN
C0 - Static load	34 kN
Cu - Fatigue limit load	4,15 kN
A2 - Rating life coefficient	1
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.6
N lim - Oil lubrication limit speed	9800 tr/min
N lim - Grease lubrication limit speed	7300 tr/min
Tmin - Min operating temperature	-40 °C



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PRODUCT PERFORMANCE

Tmax - Max operating temperature

120 °C

ABUTMENT

da max - Max shoulder diameter IR

31 mm

db min - Min IR shoulder diameter

30,5 mm

Da min - Min shoulder diameter OR

44 mm

Da max - Max shoulder diameter OR

46,5 mm

Db min - Min OR shoulder diameter

48 mm

Ca - Min clearance

2 mm

Cb - Min clearance

3 mm

ra max - Max fillet radius

1 mm

r1a - Max fillet radius

1 mm



NTN Europe

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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

X_0	Y_0
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

