Technical datasheet

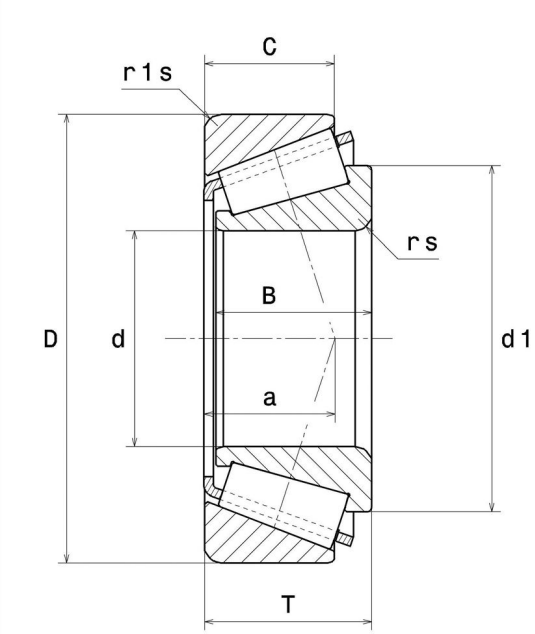
4T-302/28

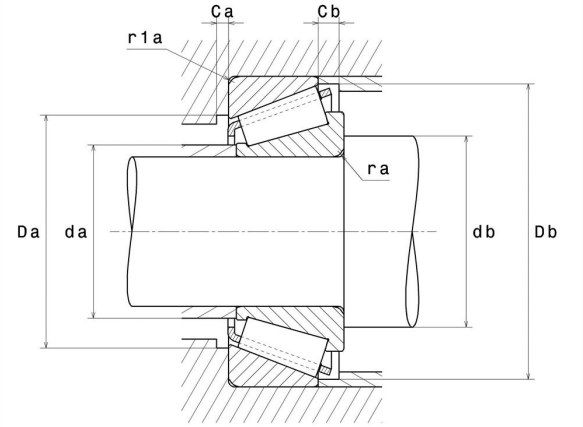
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	28 mm
D	58 mm
B	16 mm
C	14 mm
T	17.25 mm
a	13 mm
rs min	1 mm
r1s min	1 mm
e	0.35
Y2	1.7
Y0	0.93
Mass	0.2 kg
Brand	NTN

Product performance

Dynamic load, C	42 kN
Rating life coefficient, A2	1.4
Static load, C0	44.5 kN
Nlim (oil)	8,900 rpm
Nlim (grease)	6,700 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	33.5 mm
db min	34.5 mm
Da min	49 mm
Da max	52.5 mm
Db min	55 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

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