Technical data

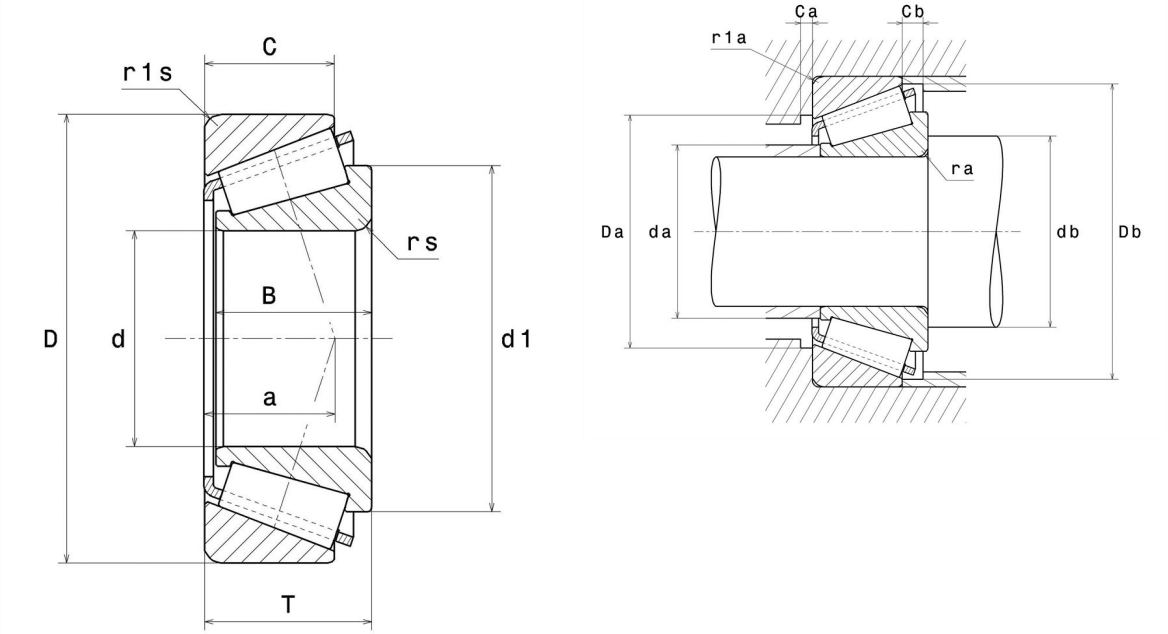
4T-07100S/07196

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	25.4 mm
D	50 mm
B	14.26 mm
C	9.52 mm
T	13.5 mm
a	10.5 mm
e	0.4
Y2	1.49
Y0	0.82
Mass	0.12 kg
Brand	NTN

Product performance

Dynamic load, C	26 kN
Rating life coefficient, A2	1.4
Static load, C0	27.9 kN
Fatigue limit load, Cu	3.4 kN
Nlim (oil)	10,000 Tr/min
Nlim (grease)	7,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	1.5 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