Technical data

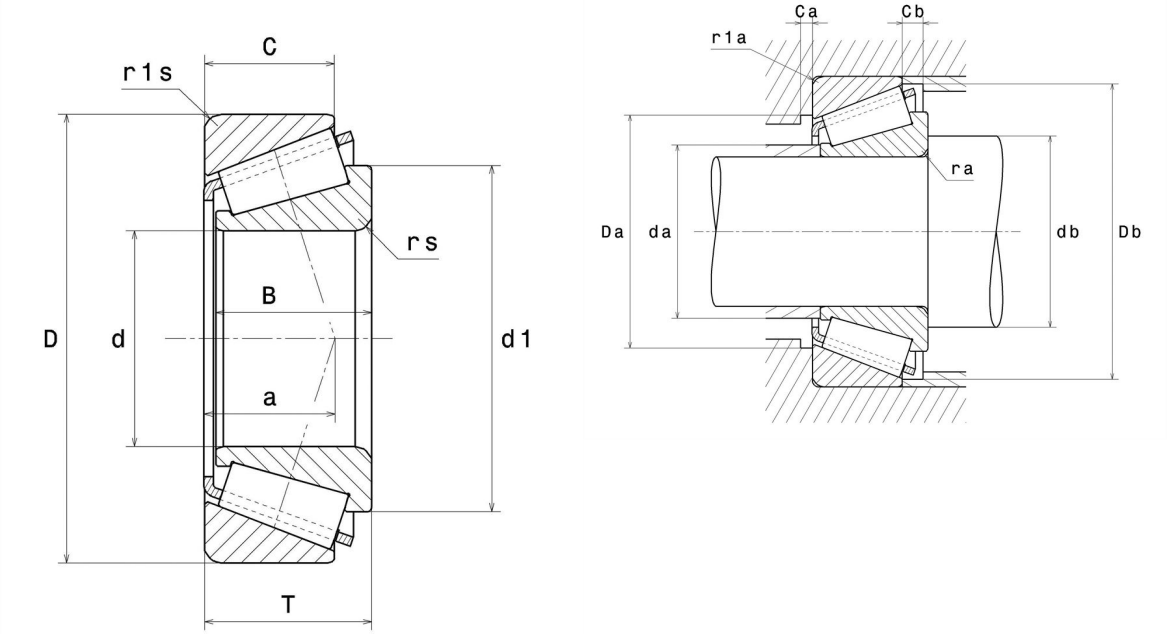
4T-25877/25821

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	34.92 mm
D	73.02 mm
B	24.61 mm
C	19.05 mm
T	23.81 mm
d1	53 mm
a	15.71 mm
e	0.29
Y2	2.07
Y0	1.14
Mass	0.47 kg
Brand	NTN

Product performance

Dynamic load, C	71 kN
Rating life coefficient, A2	1.4
Static load, C0	85 kN
Fatigue limit load, Cu	10.4 kN
Nlim (oil)	7,100 Tr/min
Nlim (grease)	5,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6 Hz
Characteristic outer ring frequency, BPF0	6.72 Hz
Characteristic inner ring frequency, BPFI	9.28 Hz

Abutment dimensions

ra max	1.5 mm
r1a max	0.8 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