Technical data

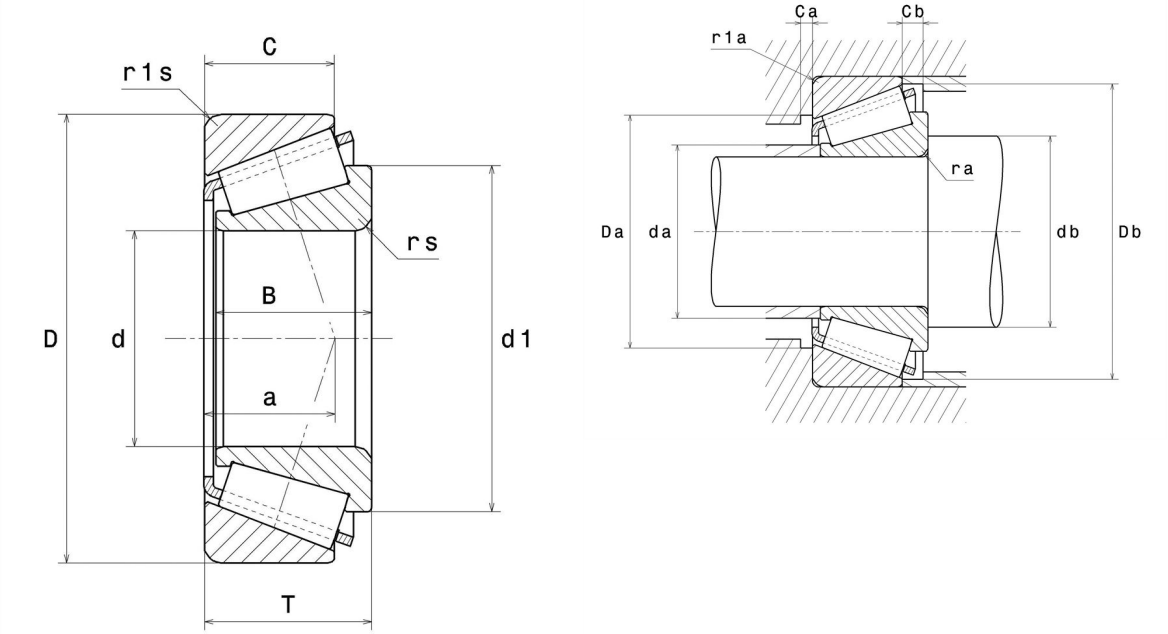
4T-M231649/M231610

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	152.4 mm
D	222.25 mm
B	46.83 mm
C	34.92 mm
T	46.83 mm
d1	186 mm
a	40.93 mm
e	0.33
Y2	1.8
Y0	0.99
Mass	5.77 kg
Brand	NTN

Product performance

Dynamic load, C	315 kN
Rating life coefficient, A2	1.4
Static load, C0	585 kN
Fatigue limit load, Cu	59.1 kN
Nlim (oil)	2,000 Tr/min
Nlim (grease)	1,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12 Hz
Characteristic outer ring frequency, BPF0	14.71 Hz
Characteristic inner ring frequency, BPFI	17.29 Hz

Abutment dimensions

ra max	3.5 mm
r1a max	1.5 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