Technical data

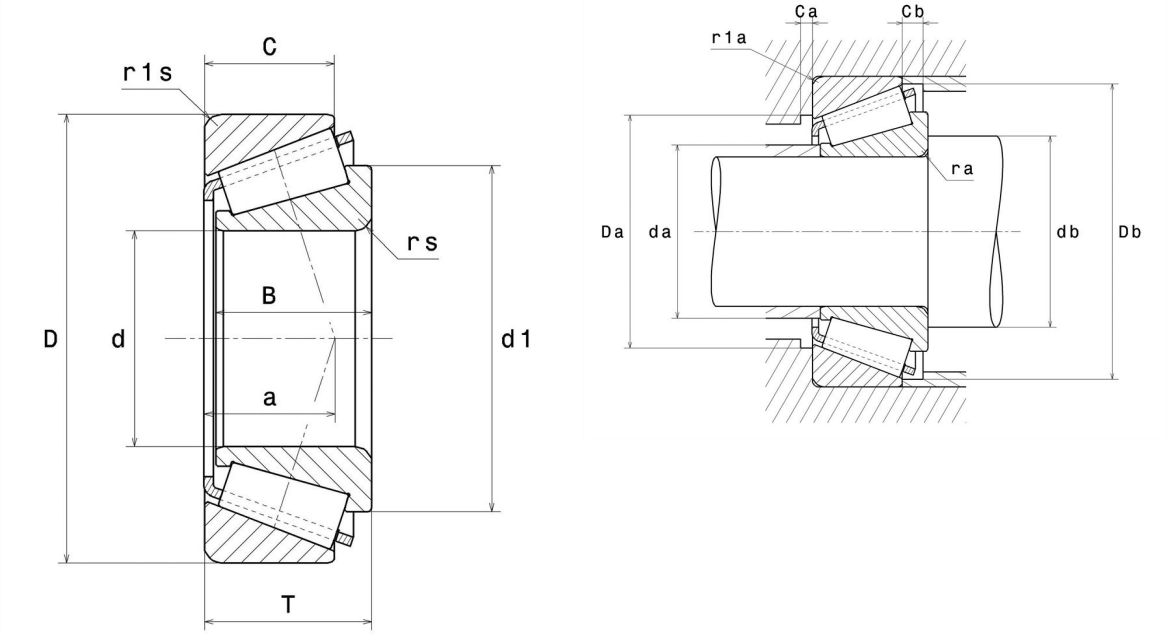
4T-90381/90744

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	96.84 mm
D	188.91 mm
B	46.04 mm
C	31.75 mm
T	50.8 mm
d1	145.5 mm
e	0.87
Y2	0.69
Y0	0.38
Mass	5.67 kg
Brand	NTN

Product performance

Dynamic load, C	281 kN
Rating life coefficient, A2	1.4
Static load, C0	365 kN
Fatigue limit load, Cu	40.1 kN
Nlim (oil)	2,400 Tr/min
Nlim (grease)	1,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	3.5 mm
r1a max	3.3 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