Technical data

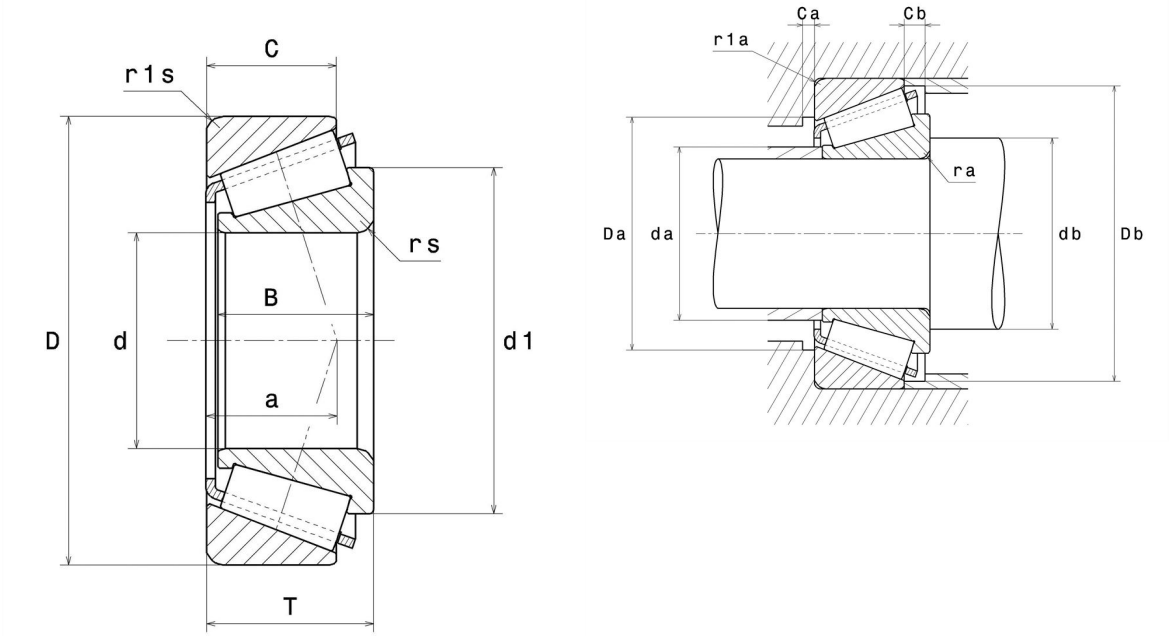
4T-14137A/14276

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	34.92 mm
D	69.01 mm
B	19.58 mm
C	15.88 mm
T	19.84 mm
a	15.74 mm
e	0.38
Y2	1.57
Y0	0.86
Mass	0.33 kg
Brand	NTN

Product performance

Dynamic load, C	48.5 kN
Rating life coefficient, A2	1.4
Static load, C0	58 kN
Fatigue limit load, Cu	7.1 kN
Nlim (oil)	7,400 Tr/min
Nlim (grease)	5,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	1.5 mm
r1a max	1.3 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