Technical data

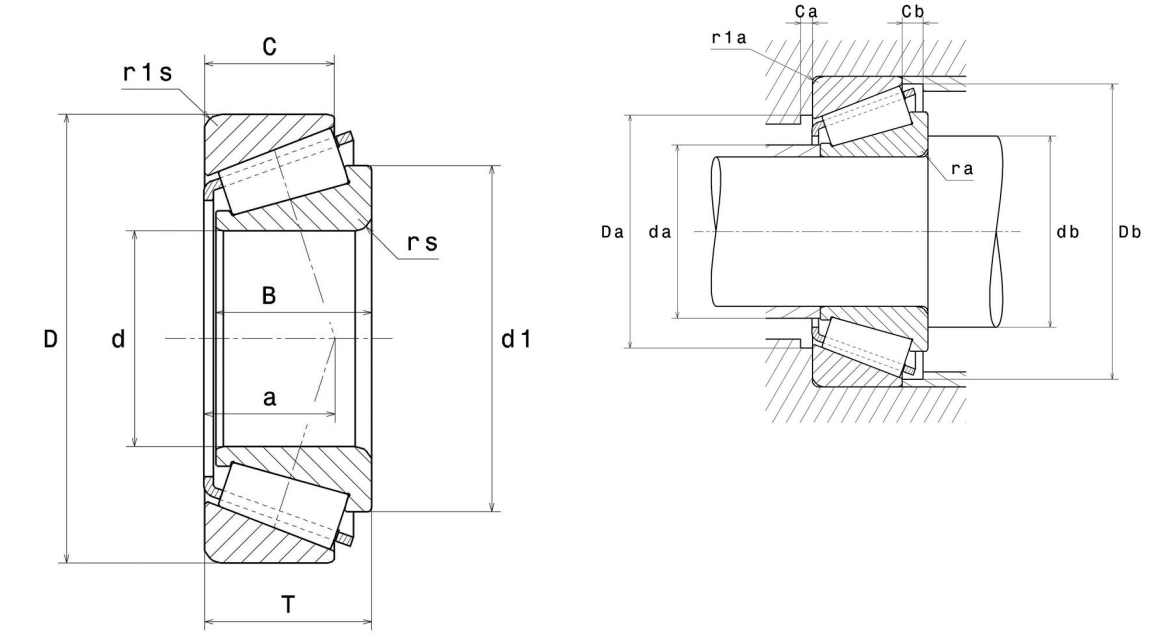
4T-36690/36620

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	146.05 mm
D	193.68 mm
B	28.58 mm
C	23.02 mm
T	28.58 mm
d1	171 mm
a	33.58 mm
e	0.37
Y2	1.63
Y0	0.9
Mass	2.27 kg
Brand	NTN

Product performance

Dynamic load, C	165 kN
Rating life coefficient, A2	1.4
Static load, C0	340 kN
Fatigue limit load, Cu	35.3 kN
Nlim (oil)	2,200 Tr/min
Nlim (grease)	1,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.47 Hz
Characteristic rolling element frequency, BSF	17.21 Hz
Characteristic outer ring frequency, BPF0	20.29 Hz
Characteristic inner ring frequency, BPFI	22.71 Hz

Abutment dimensions

ra max	1.5 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