Technical data

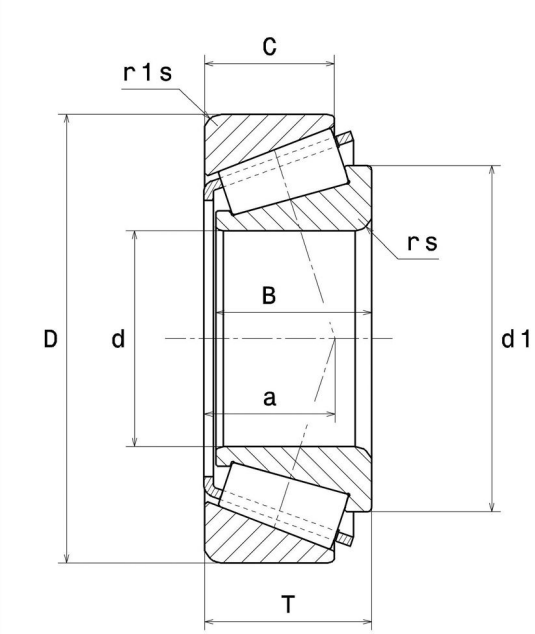
4T-33006

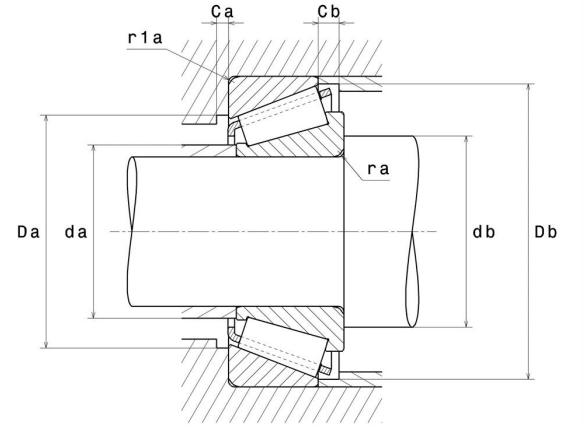
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	30 mm
D	55 mm
B	20 mm
C	16 mm
T	20 mm
a	13 mm
rs min	1 mm
r1s min	1 mm
e	0.29
Y2	2.06
Y0	1.13
Mass	0.2 kg
ISO 355 reference	T2CE030
Brand	NTN

Product performance

Dynamic load, C	42.5 kN
Rating life coefficient, A2	1.4
Static load, C0	54 kN
Fatigue limit load, Cu	6.6 kN
Nlim (oil)	9,200 Tr/min
Nlim (grease)	6,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	35.5 mm
db min	35.5 mm
Da max	49.5 mm
Db min	52 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa/Fr \leq e$		$Fa/Fr > e$	
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