Technical data

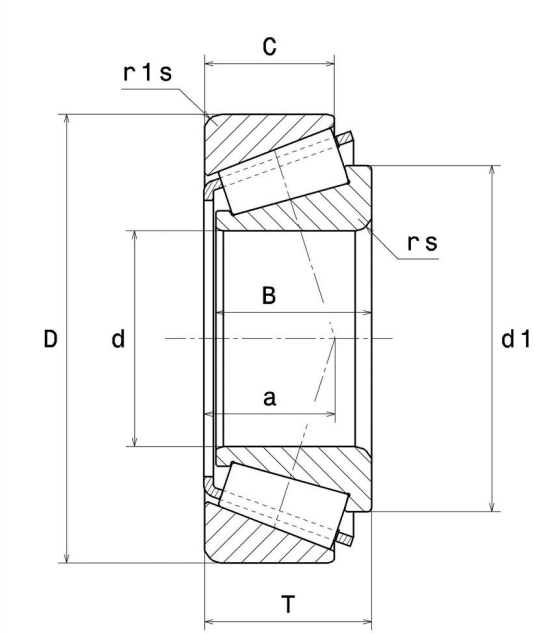
4T-4580/4535

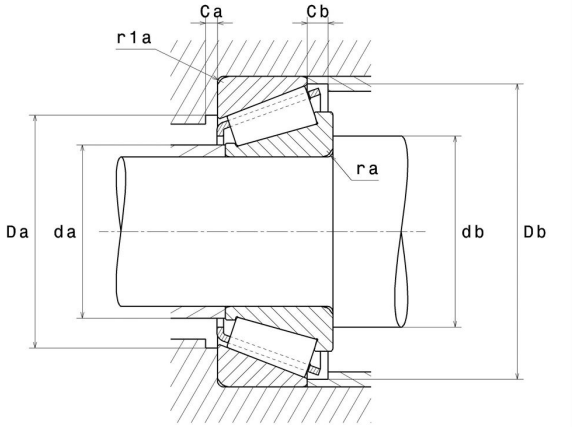
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	50.8 mm
D	104.78 mm
B	40.16 mm
C	33.34 mm
T	39.69 mm
a	27.4 mm
rs min	3.56 mm
r1s min	3.3 mm
e	0.34
Y2	1.79
Y0	0.98
Mass	1.62 kg
Brand	NTN

Product performance

Dynamic load, C	151 kN
Rating life coefficient, A2	1.4
Static load, C0	212 kN
Nlim (oil)	4,800 Tr/min
Nlim (grease)	3,600 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

$P = X.Fr + Y.Fa$

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