Technical data

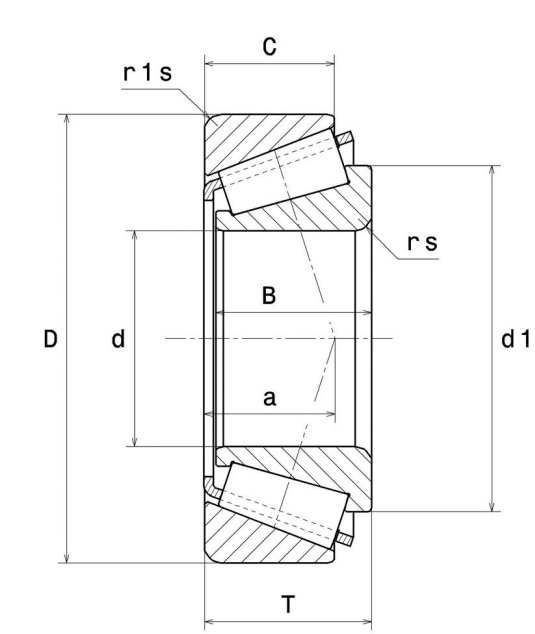
4T-30304A

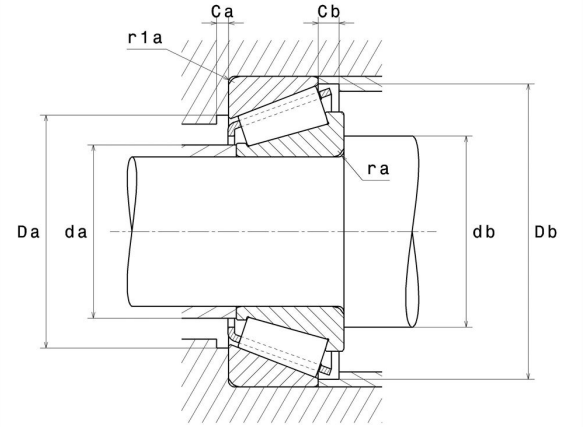
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	20 mm
D	52 mm
B	16 mm
C	13 mm
T	16.25 mm
d1	35 mm
a	10.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.3
Y2	2
Y0	1.1
Mass	0.18 kg
Brand	NTN

Product performance

Dynamic load, C	35.5 kN
Rating life coefficient, A2	1.4
Static load, C0	34 kN
Fatigue limit load, Cu	4.15 kN
Nlim (oil)	11,000 Tr/min
Nlim (grease)	8,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	28 mm
db min	28.5 mm
Da min	42.5 mm
Da max	43.5 mm
Db min	47.5 mm
Ca min	3 mm
Cb min	3 mm
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