Technical data

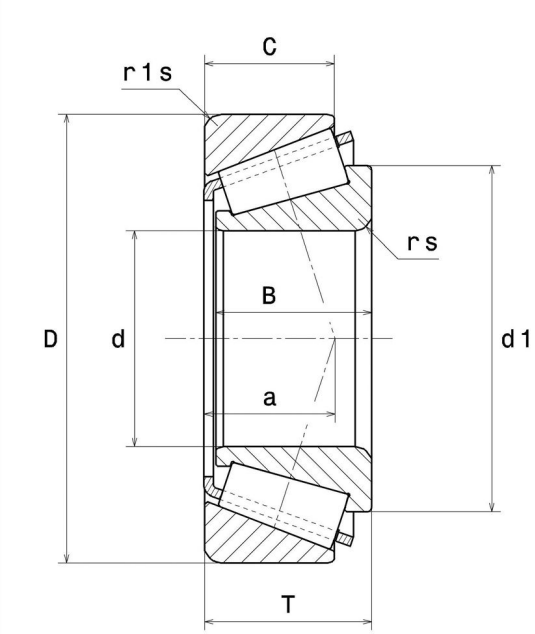
4T-33207

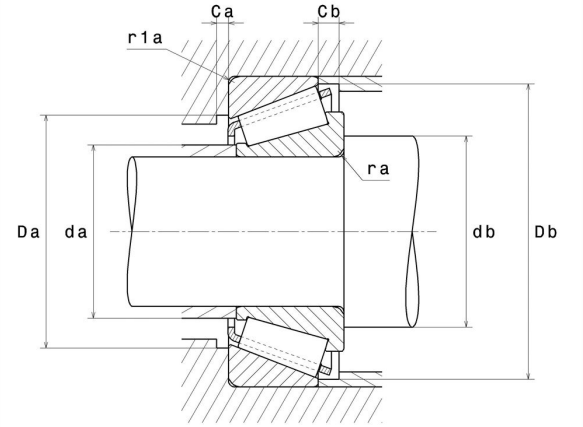
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	35 mm
D	72 mm
B	28 mm
C	22 mm
T	28 mm
d1	53.5 mm
a	18.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.35
Y2	1.7
Y0	0.93
Mass	0.53 kg
ISO 355 reference	T2DE035
Brand	NTN

Product performance

Dynamic load, C	87.5 kN
Rating life coefficient, A2	1.4
Static load, C0	109 kN
Fatigue limit load, Cu	13.3 kN
Nlim (oil)	7,400 Tr/min
Nlim (grease)	5,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.72 Hz
Characteristic outer ring frequency, BPF0	7.09 Hz
Characteristic inner ring frequency, BPFI	9.91 Hz

Abutment dimensions

da max	42 mm
db min	43.5 mm
Da min	61 mm
Da max	63.5 mm
Db min	68 mm
Ca min	5 mm
Cb min	6 mm
ra max	1.5 mm
r1a max	1.5 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