Technical data

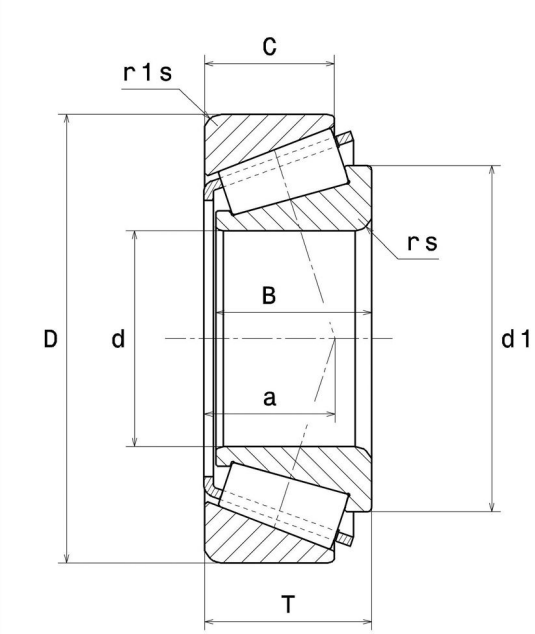
4T-33012

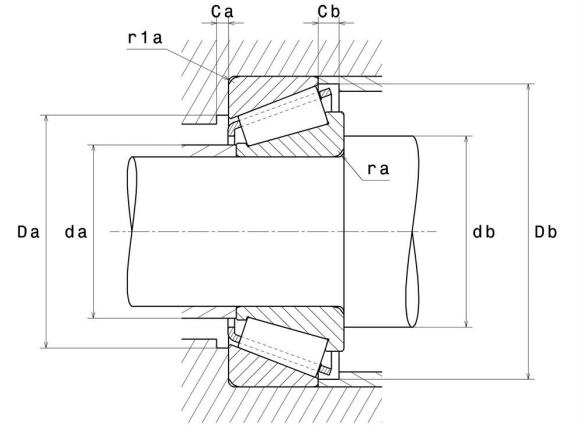
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	60 mm
D	95 mm
B	27 mm
C	21 mm
T	27 mm
d1	77.5 mm
a	20.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.33
Y2	1.83
Y0	1.01
Mass	0.68 kg
ISO 355 reference	T2CE060
Brand	NTN

Product performance

Dynamic load, C	93.5 kN
Rating life coefficient, A2	1.4
Static load, C0	145 kN
Fatigue limit load, Cu	17.7 kN
Nlim (oil)	4,900 Tr/min
Nlim (grease)	3,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.42 Hz
Characteristic outer ring frequency, BPF0	11.67 Hz
Characteristic inner ring frequency, BPFI	14.33 Hz

Abutment dimensions

da max	67 mm
db min	68.5 mm
Da min	85 mm
Da max	86.5 mm
Db min	90 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