Technical data

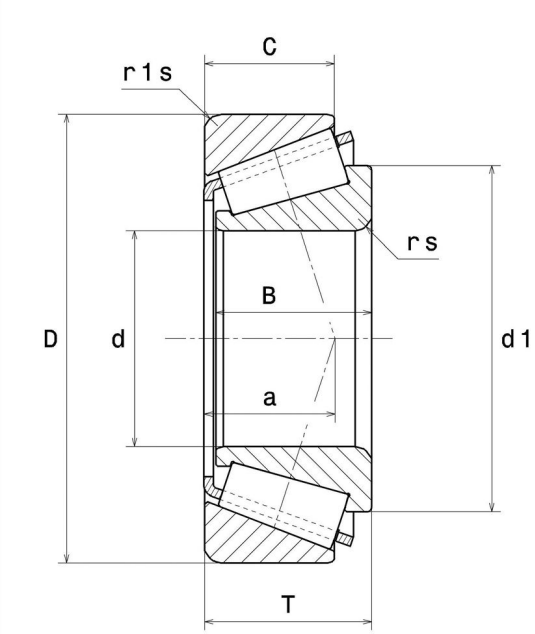
4T-30312D

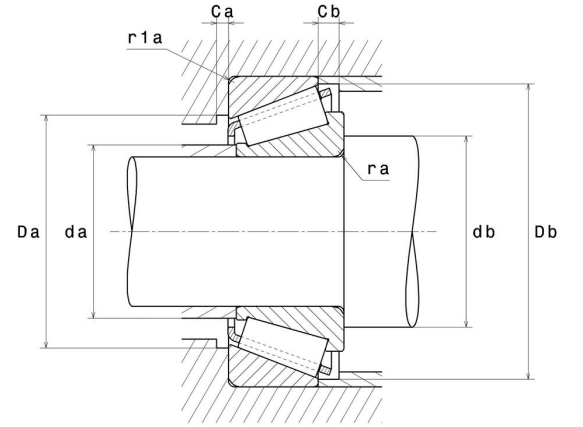
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	60 mm
D	130 mm
B	31 mm
C	22 mm
T	33.5 mm
d1	96 mm
a	40.5 mm
rs min	3 mm
r1s min	2.5 mm
e	0.83
Y2	0.73
Y0	0.4
Mass	1.97 kg
ISO 355 reference	T7FB060
Brand	NTN

Product performance

Dynamic load, C	150 kN
Rating life coefficient, A2	1.4
Static load, C0	176 kN
Fatigue limit load, Cu	21.5 kN
Nlim (oil)	3,600 Tr/min
Nlim (grease)	2,700 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	5.52 Hz
Characteristic outer ring frequency, BPF0	6.76 Hz
Characteristic inner ring frequency, BPFI	9.24 Hz

Abutment dimensions

da max	73 mm
db min	74 mm
Da min	103 mm
Da max	118 mm
Db min	124 mm
Ca min	4 mm
Cb min	11.5 mm
ra max	2.5 mm
r1a max	2 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