Technical data

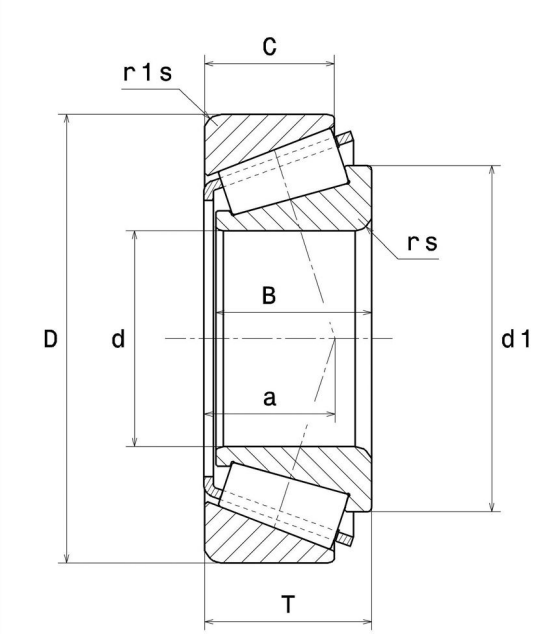
4T-30313D

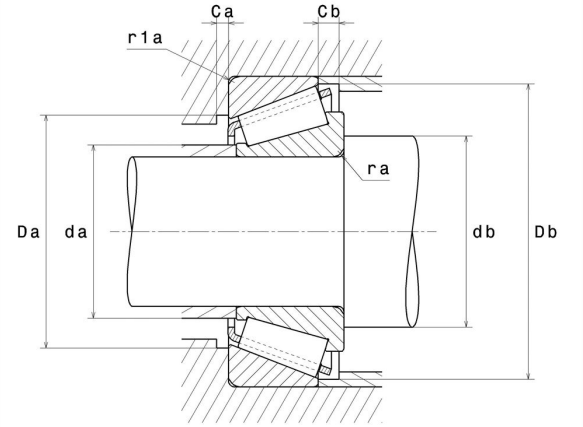
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	65 mm
D	140 mm
B	33 mm
C	23 mm
T	36 mm
d1	104 mm
a	44 mm
rs min	3 mm
r1s min	2.5 mm
e	0.83
Y2	0.73
Y0	0.4
Mass	2.42 kg
ISO 355 reference	T7GB065
Brand	NTN

Product performance

Dynamic load, C	173 kN
Rating life coefficient, A2	1.4
Static load, C0	204 kN
Fatigue limit load, Cu	24.7 kN
Nlim (oil)	3,300 Tr/min
Nlim (grease)	2,500 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	5.52 Hz
Characteristic outer ring frequency, BPF0	6.76 Hz
Characteristic inner ring frequency, BPFI	9.24 Hz

Abutment dimensions

da max	79 mm
db min	79 mm
Da min	111 mm
Da max	128 mm
Db min	133 mm
Ca min	4 mm
Cb min	13 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