Technical data

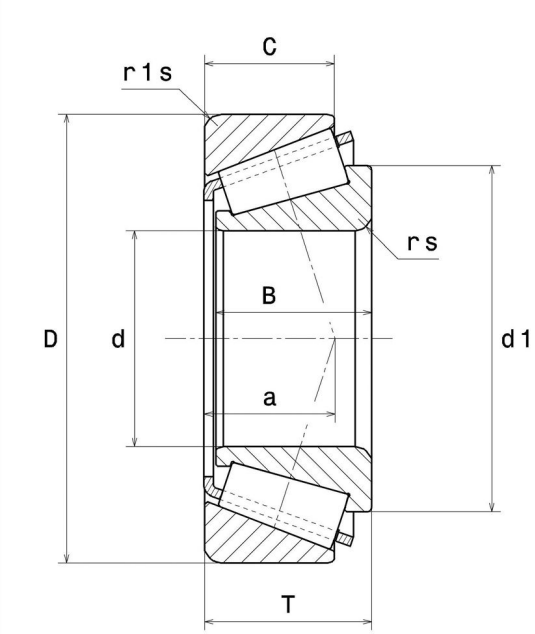
4T-33113

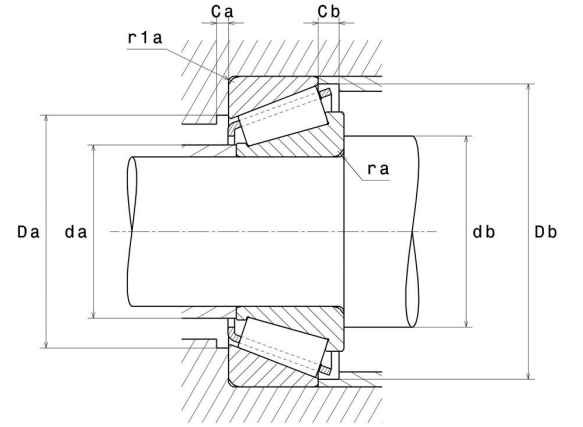
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	65 mm
D	110 mm
B	34 mm
C	26.5 mm
T	34 mm
d1	88.5 mm
a	26 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.39
Y2	1.55
Y0	0.85
Mass	1.28 kg
ISO 355 reference	T3DE065
Brand	NTN

Product performance

Dynamic load, C	144 kN
Rating life coefficient, A2	1.4
Static load, C0	211 kN
Fatigue limit load, Cu	25.7 kN
Nlim (oil)	4,400 Tr/min
Nlim (grease)	3,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.8 Hz
Characteristic outer ring frequency, BPF0	9.66 Hz
Characteristic inner ring frequency, BPFI	12.34 Hz

Abutment dimensions

da max	73 mm
db min	73.5 mm
Da min	96 mm
Da max	101.5 mm
Db min	106 mm
Ca min	6 mm
Cb min	7.5 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