Technical data

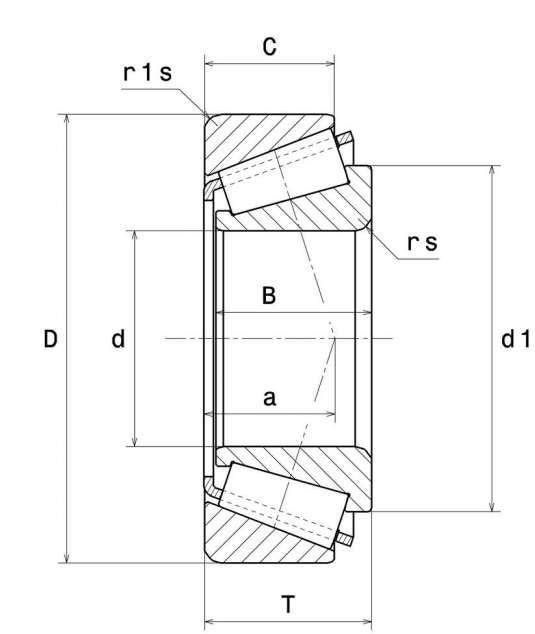
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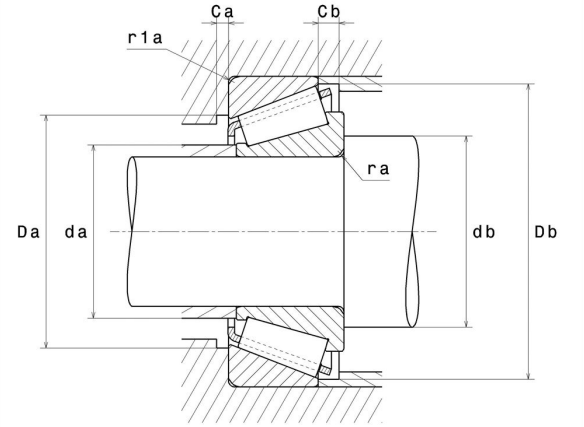
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	65 mm
D	140 mm
B	48 mm
C	39 mm
T	51 mm
d1	100.5 mm
a	34.5 mm
rs min	3 mm
r1s min	2.5 mm
e	0.35
Y2	1.74
Y0	0.96
Mass	3.66 kg
ISO 355 reference	T2GD065
Brand	NTN

Product performance

Dynamic load, C	273 kN
Rating life coefficient, A2	1
Static load, C0	350 kN
Fatigue limit load, Cu	42.3 kN
Nlim (oil)	3,700 Tr/min
Nlim (grease)	2,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.27 Hz
Characteristic outer ring frequency, BPF0	6.57 Hz
Characteristic inner ring frequency, BPFI	9.43 Hz

Abutment dimensions

da max	80 mm
db min	79 mm
Da min	117 mm
Da max	128 mm
Db min	130 mm
Ca min	4 mm
Cb min	12 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