Technical data

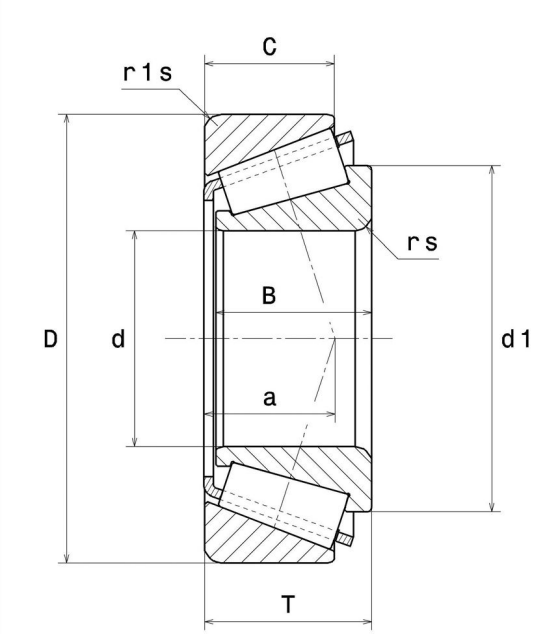
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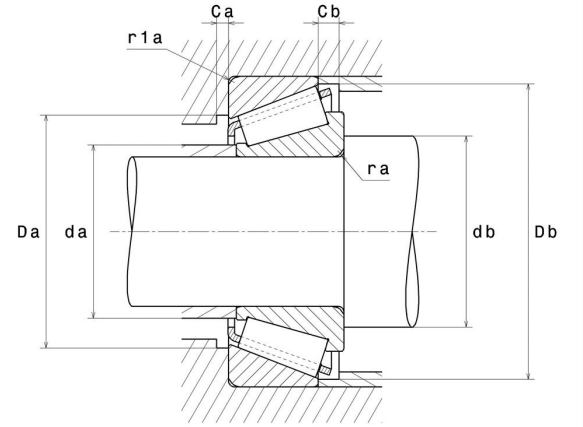
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	65 mm
D	90 mm
B	17 mm
C	14 mm
T	17 mm
d1	78 mm
a	16.5 mm
rs min	1 mm
r1s min	1 mm
e	0.35
Y2	1.7
Y0	0.93
Mass	0.32 kg
ISO 355 reference	T2BC065
Brand	NTN

Product performance

Dynamic load, C	48.5 kN
Rating life coefficient, A2	1
Static load, C0	85 kN
Fatigue limit load, Cu	10.4 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	0.47 Hz
Characteristic rolling element frequency, BSF	14.74 Hz
Characteristic outer ring frequency, BPF0	17.28 Hz
Characteristic inner ring frequency, BPFI	19.72 Hz

Abutment dimensions

da max	70 mm
db min	70.5 mm
Da min	80 mm
Da max	84.5 mm
Db min	86.5 mm
Ca min	3 mm
Cb min	3 mm
ra max	1 mm
r1a max	1 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