Technical data

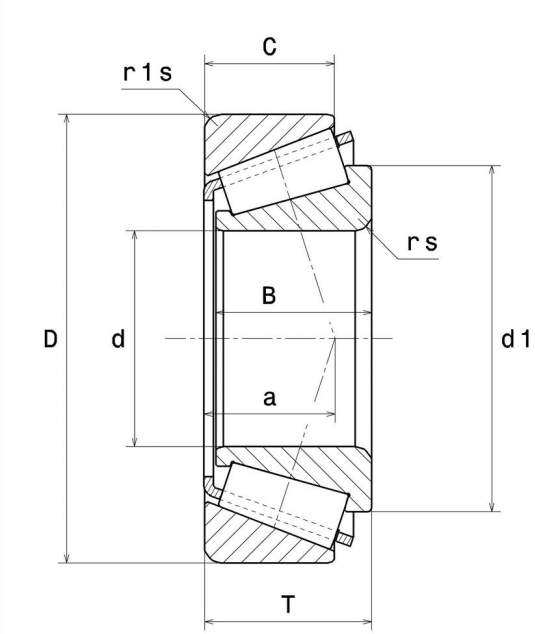
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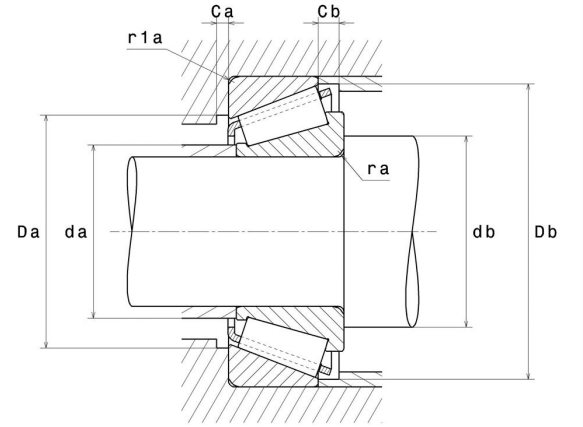
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	360 mm
D	480 mm
B	76 mm
C	57 mm
T	76 mm
d1	422 mm
a	96.5 mm
rs min	4 mm
r1s min	3 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	36.6 kg
ISO 355 reference	T4FD360
Brand	NTN

Product performance

Dynamic load, C	1,050 kN
Rating life coefficient, A2	1
Static load, C0	2,330 kN
Fatigue limit load, Cu	184.8 kN
Nlim (oil)	780 Tr/min
Nlim (grease)	590 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	14.47 Hz
Characteristic outer ring frequency, BPF0	18.22 Hz
Characteristic inner ring frequency, BPFI	20.78 Hz

Abutment dimensions

da max	381 mm
db min	378 mm
Da min	436 mm
Da max	466 mm
Db min	466 mm
Ca min	13 mm
Cb min	19 mm
ra max	3 mm
r1a max	2.5 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