Technical data

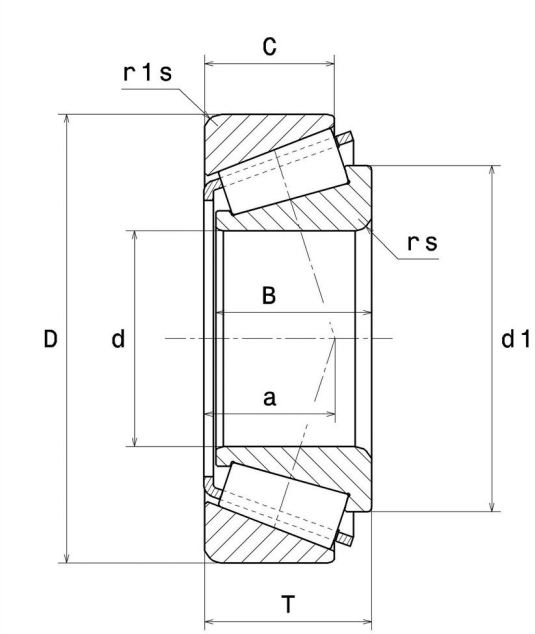
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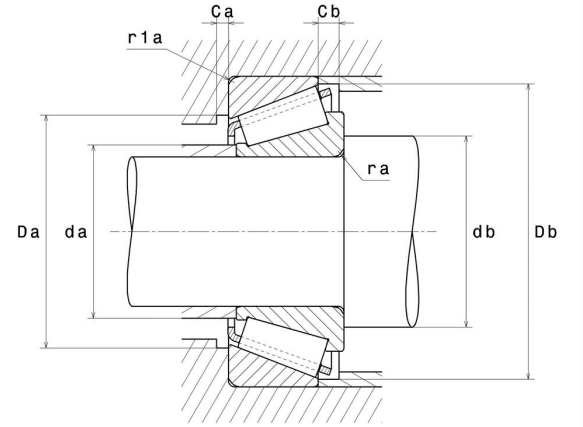
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	150 mm
D	270 mm
B	73 mm
C	60 mm
T	77 mm
d1	207.5 mm
a	64.5 mm
rs min	4 mm
r1s min	3 mm
e	0.44
Y2	1.38
Y0	0.76
Mass	18.2 kg
ISO 355 reference	T4GD150
Brand	NTN

Product performance

Dynamic load, C	700 kN
Rating life coefficient, A2	1
Static load, C0	1,070 kN
Fatigue limit load, Cu	105 kN
Nlim (oil)	1,700 Tr/min
Nlim (grease)	1,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	8.2 Hz
Characteristic inner ring frequency, BPFI	10.8 Hz

Abutment dimensions

da max	170 mm
db min	168 mm
Da min	226 mm
Da max	256 mm
Db min	254 mm
Ca min	8 mm
Cb min	17 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