Technical data

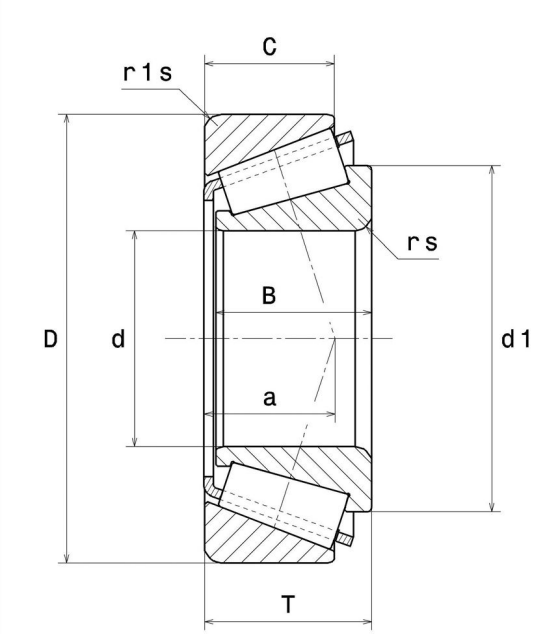
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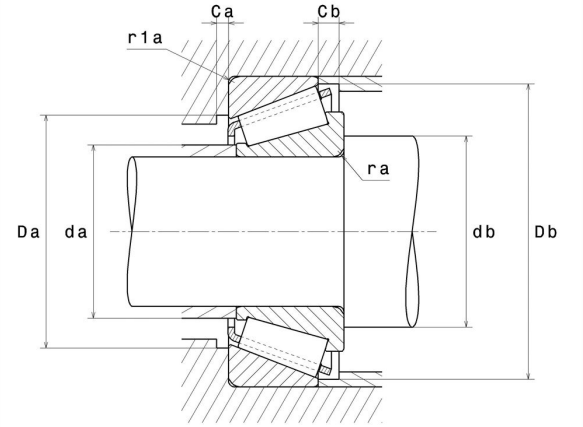
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	150 mm
D	210 mm
B	38 mm
C	30 mm
T	38 mm
d1	179.5 mm
a	36.5 mm
rs min	2.5 mm
r1s min	2 mm
e	0.33
Y2	1.83
Y0	1.01
Mass	3.92 kg
ISO 355 reference	T2DC150
Brand	NTN

Product performance

Dynamic load, C	268 kN
Rating life coefficient, A2	1
Static load, C0	490 kN
Fatigue limit load, Cu	50.1 kN
Nlim (oil)	2,100 Tr/min
Nlim (grease)	1,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.3 Hz
Characteristic outer ring frequency, BPF0	14.74 Hz
Characteristic inner ring frequency, BPFI	17.26 Hz

Abutment dimensions

da max	162 mm
db min	162 mm
Da min	192 mm
Da max	200 mm
Db min	202 mm
Ca min	7 mm
Cb min	8 mm
ra max	2 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