Technical data

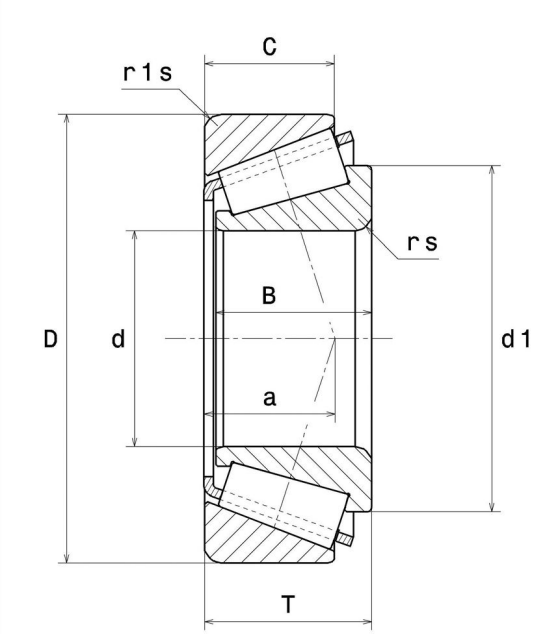
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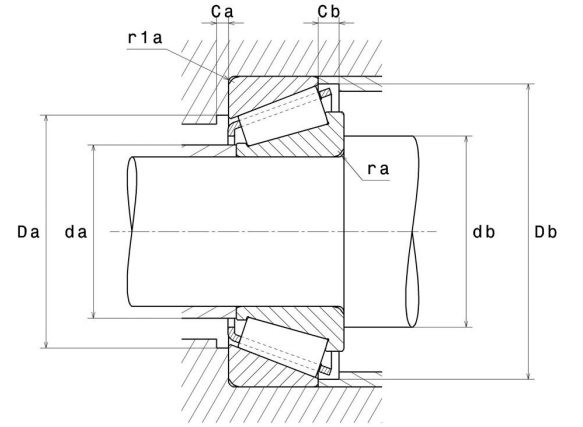
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	75 mm
D	115 mm
B	31 mm
C	25.5 mm
T	31 mm
a	23 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.3
Y2	2.01
Y0	1.11
Mass	1.11 kg
ISO 355 reference	T2CE075
Brand	NTN

Product performance

Dynamic load, C	111 kN
Rating life coefficient, A2	1
Static load, C0	186 kN
Fatigue limit load, Cu	22.7 kN
Nlim (oil)	4,000 Tr/min
Nlim (grease)	3,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	83.5 mm
db min	85 mm
Da max	106.5 mm
Db min	110.5 mm
ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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