Technical data

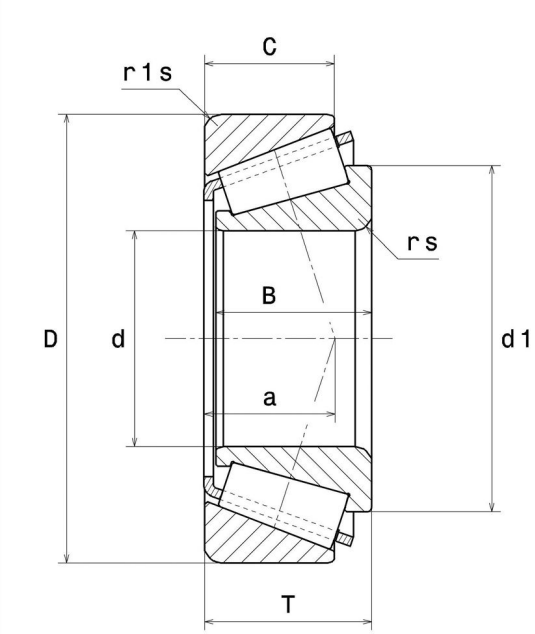
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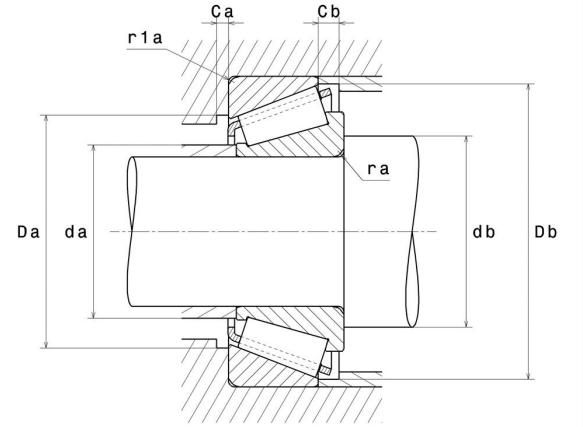
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	120 mm
D	260 mm
B	62 mm
C	42 mm
T	68 mm
a	82.5 mm
rs min	3 mm
r1s min	2.5 mm
e	0.83
Y2	0.73
Y0	0.4
Mass	15.4 kg
ISO 355 reference	T7GB120
Brand	NTN

Product performance

Dynamic load, C	515 kN
Rating life coefficient, A2	1
Static load, C0	655 kN
Nlim (oil)	2,000 Tr/min
Nlim (grease)	1,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	138 mm
db min	145 mm
Da max	246 mm
Db min	244 mm
ra max	3 mm
r1a max	2.5 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