Technical data

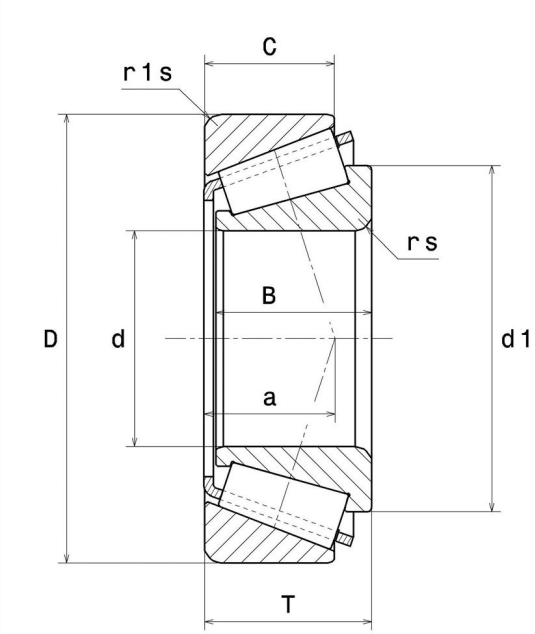
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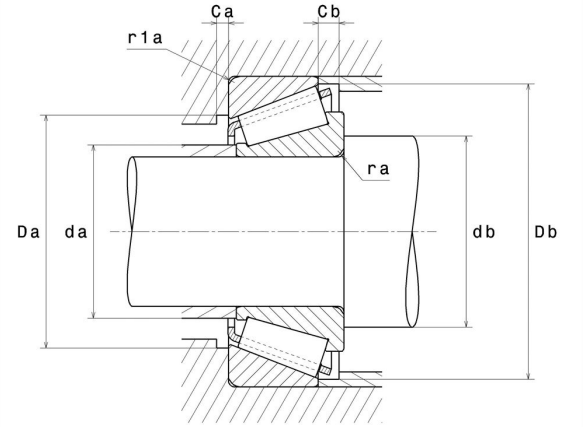
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	105 mm
D	160 mm
B	43 mm
C	34 mm
T	43 mm
a	31 mm
rs min	2 mm
r1s min	2 mm
e	0.28
Y2	2.12
Y0	1.17
Mass	3 kg
ISO 355 reference	T2DE105
Brand	NTN

Product performance

Dynamic load, C	245 kN
Rating life coefficient, A2	1
Static load, C0	420 kN
Nlim (oil)	2,800 Tr/min
Nlim (grease)	2,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	117 mm
db min	116 mm
Da max	150 mm
Db min	153 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