Technical data

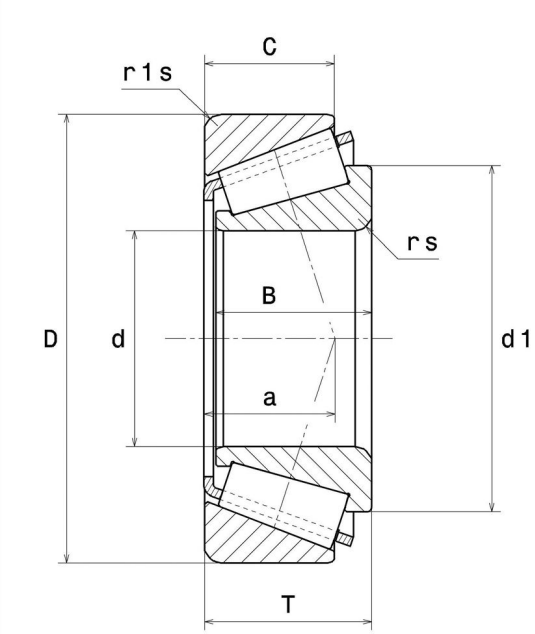
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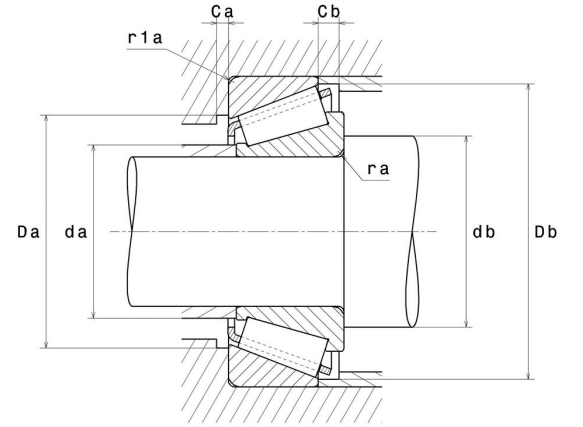
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	45 mm
D	68 mm
B	15 mm
C	12 mm
T	15 mm
a	12 mm
rs min	0.6 mm
r1s min	0.6 mm
e	0.32
Y2	1.88
Y0	1.04
Mass	0.19 kg
ISO 355 reference	T2BC045
Brand	NTN

Product performance

Dynamic load, C	33.5 kN
Rating life coefficient, A2	1
Static load, C0	51.5 kN
Fatigue limit load, Cu	6.3 kN
Nlim (oil)	7,000 Tr/min
Nlim (grease)	5,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	50 mm
db min	50 mm
Da max	63.5 mm
Db min	64.5 mm
ra max	0.6 mm
r1a max	0.6 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