Technical data

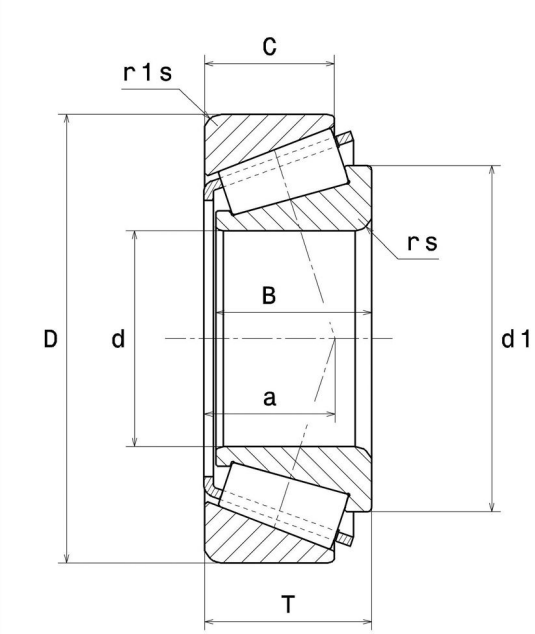
4T-T7FC045

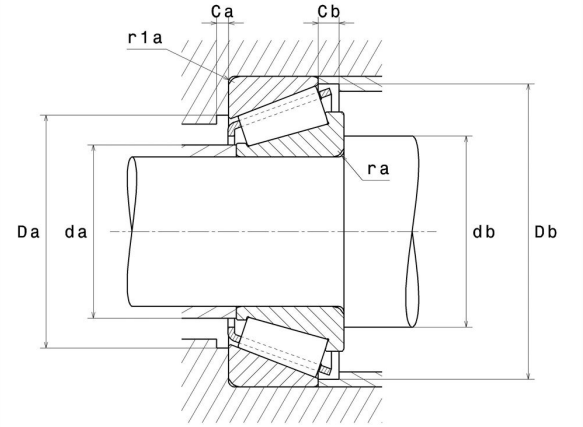
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	45 mm
D	95 mm
B	26.5 mm
C	20 mm
T	29 mm
d1	72.5 mm
a	33 mm
rs min	2.5 mm
r1s min	2.5 mm
e	0.87
Y2	0.69
Y0	0.38
Mass	0.91 kg
Brand	NTN

Product performance

Dynamic load, C	89.5 kN
Rating life coefficient, A2	1.4
Static load, C0	108 kN
Fatigue limit load, Cu	13.2 kN
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	53.5 mm
db min	57 mm
Da max	85 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