



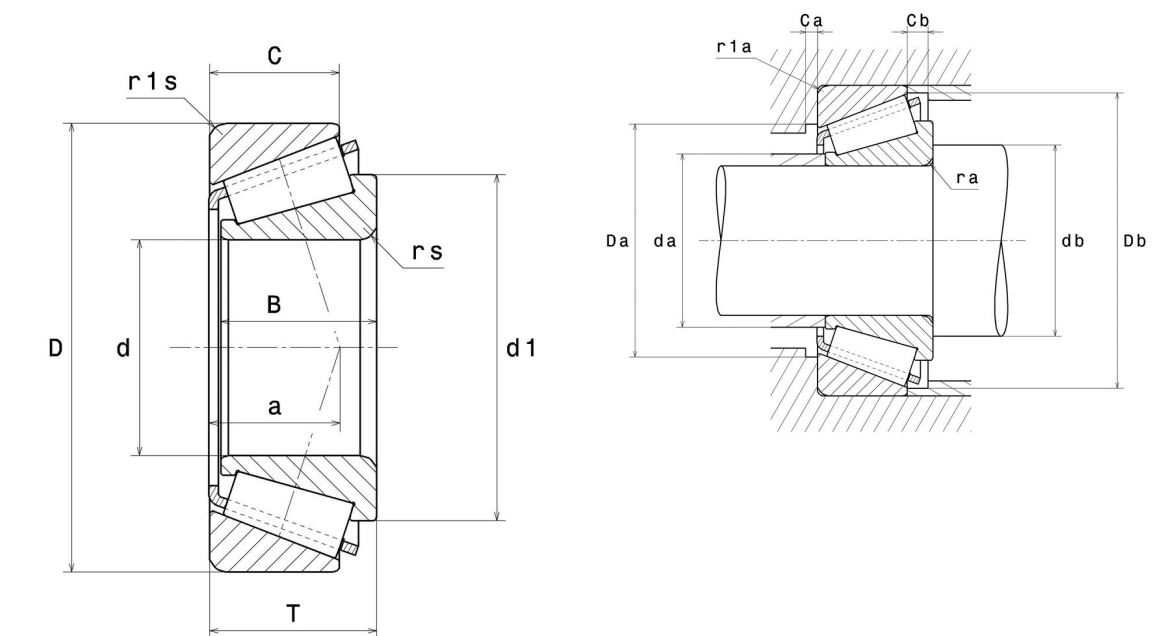
Technical data

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

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y0

If $P_0 < F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table