Technical data

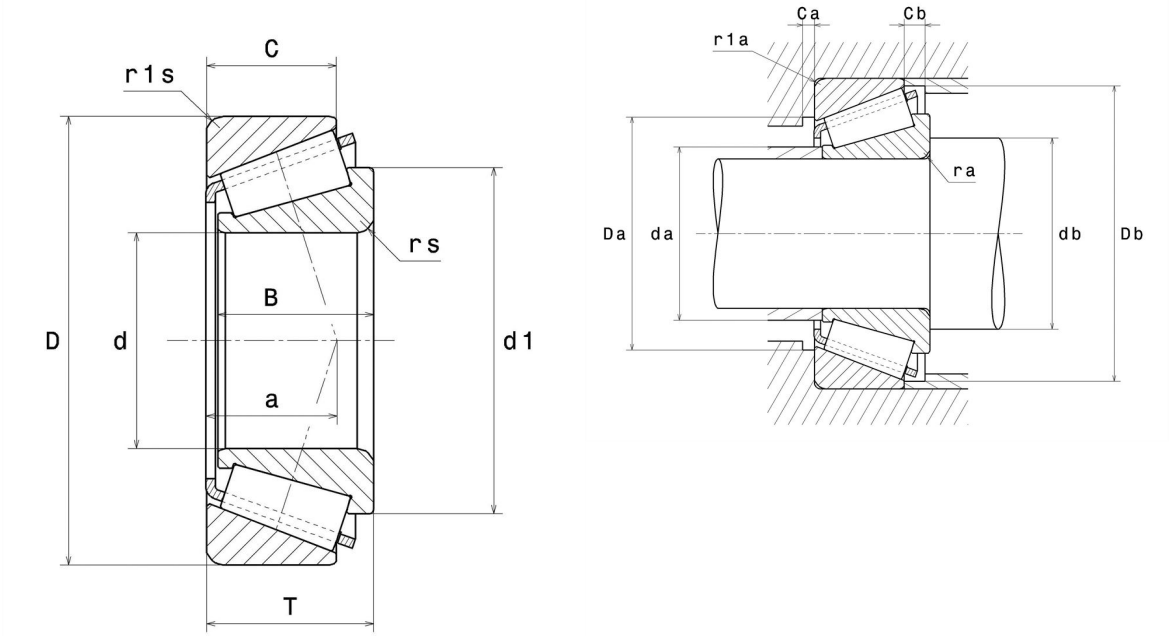
4T-29590/29522

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	66.68 mm
D	107.95 mm
B	25.4 mm
C	19.05 mm
T	25.4 mm
a	24.8 mm
rs min	3.3 mm
r1s min	0.8 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	0.8 kg
Brand	NTN

Product performance

Dynamic load, C	91.5 kN
Rating life coefficient, A2	1.4
Static load, C0	140 kN
Nlim (oil)	4,300 Tr/min
Nlim (grease)	3,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	3.5 mm
r1a max	0.8 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