Technical datasheet

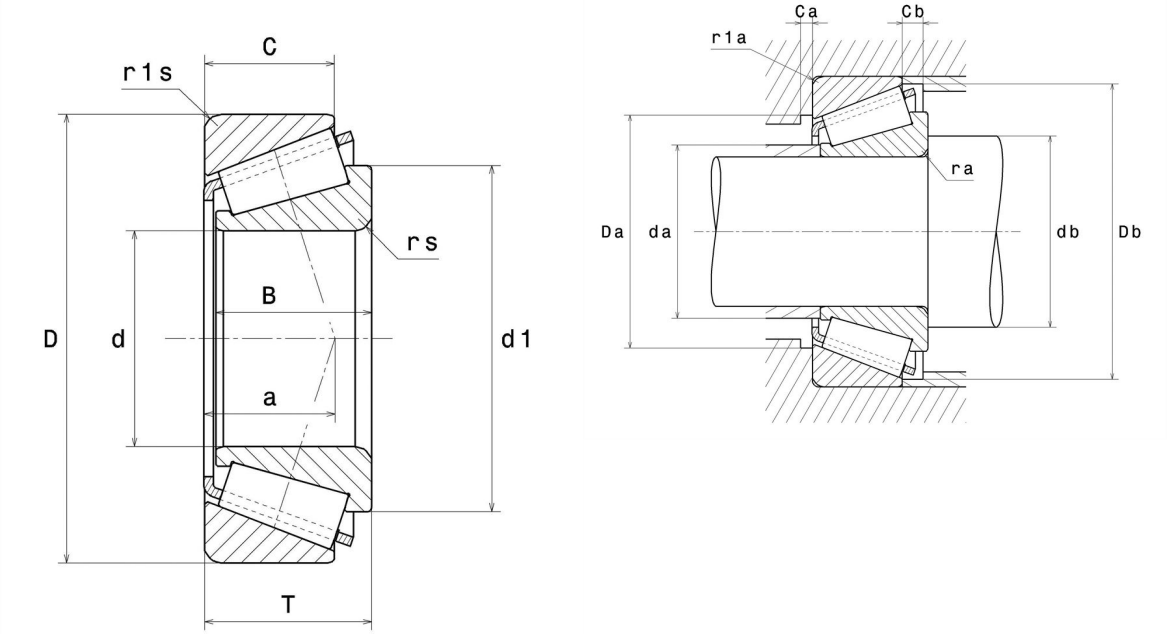
4T-95525/95925

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	133.35 mm
D	234.95 mm
B	63.5 mm
C	49.21 mm
T	63.5 mm
d1	180 mm
a	49.5 mm
e	0.37
Y2	1.62
Y0	0.89
Mass	11.3 kg
Brand	NTN

Product performance

Dynamic load, C	525 kN
Rating life coefficient, A2	1.4
Static load, C0	825 kN
Fatigue limit load, Cu	84.2 kN
Nlim (oil)	2,000 rpm
Nlim (grease)	1,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.57 Hz
Characteristic outer ring frequency, BPF0	9.17 Hz
Characteristic inner ring frequency, BPFI	11.83 Hz

Abutment dimensions

ra max	9.7 mm
r1a max	3.3 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