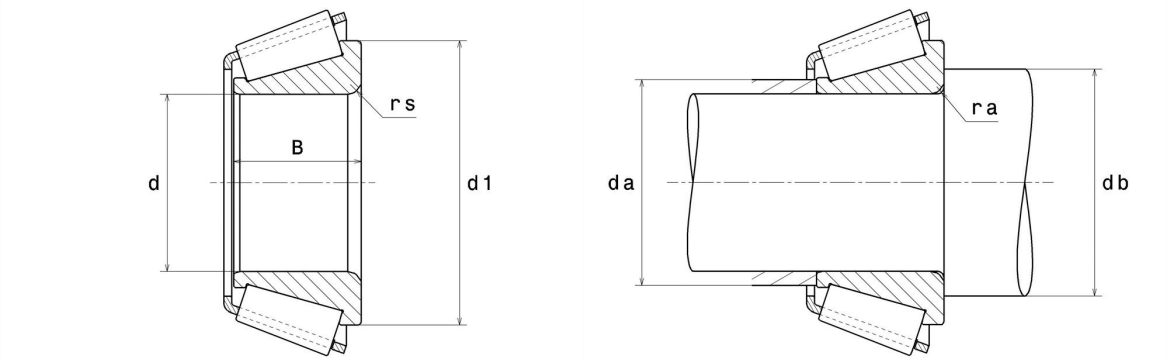
Technical datasheet

4T-95500

Single row tapered roller bearings

Mounted cone, sheet metal cage

Visual(s)



Product definition

d	127 mm
B	63.5 mm
d1	180 mm
e	0.37
Y2	1.62
Y0	0.89
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	6.4 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