Technical datasheet

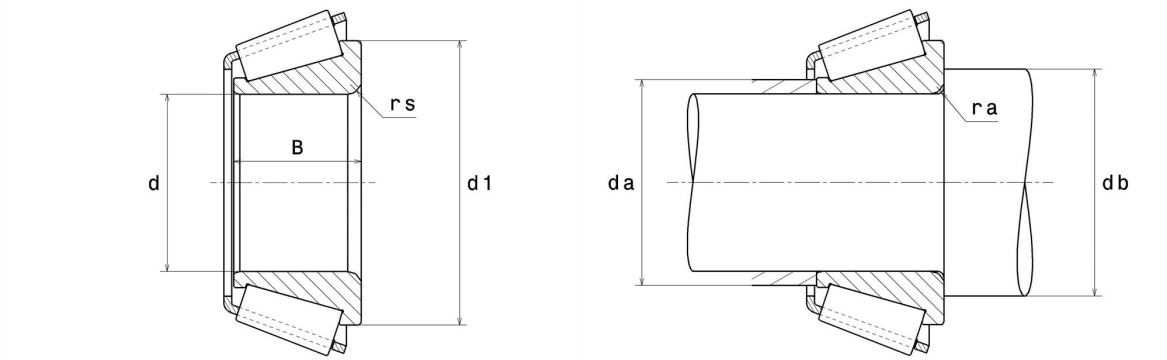
4T-HH228340

Single row tapered roller bearings

Mounted cone, sheet metal cage



Visual(s)



Product definition

d	120.65 mm
D	0 mm
B	85.55 mm
C	0 mm
T	0 mm
a	54.4 mm
rs min	9.7 mm
r1s min	0 mm
e	0.32
Y2	1.87
Y0	1.03
Mass	12.72 kg
Brand	NTN

Product performance

Dynamic load, C	740 kN
Rating life coefficient, A2	1.4
Static load, C0	1,070 kN
Fatigue limit load, Cu	108 kN
Nlim (oil)	1,800 rpm
Nlim (grease)	1,300 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.89 Hz
Characteristic outer ring frequency, BPF0	7.13 Hz
Characteristic inner ring frequency, BPFI	9.87 Hz

Abutment dimensions

ra max	9.7 mm
r1a max	0 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