Technical data

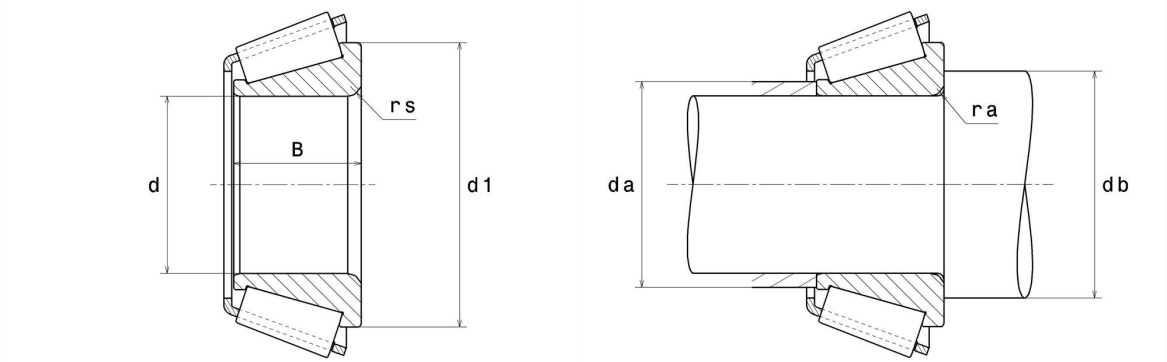
4T-22780

Single row tapered roller bearings

Mounted cone, sheet metal cage



Visual(s)



Product definition

d	42.86 mm
B	26.99 mm
d1	63 mm
e	0.4
Y2	1.49
Y0	0.82
Brand	NTN

Product performance

Dynamic load, C	75.5 kN
Rating life coefficient, A2	1.4
Static load, C0	97 kN
Fatigue limit load, Cu	11.8 kN
Nlim (oil)	6,100 Tr/min
Nlim (grease)	4,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7 Hz
Characteristic outer ring frequency, BPF0	7.35 Hz
Characteristic inner ring frequency, BPFI	9.65 Hz

Abutment dimensions

ra max	3.5 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