

SANKYO 11TF

TORQUE LIMITER

11TF Dimension

Unit : mm

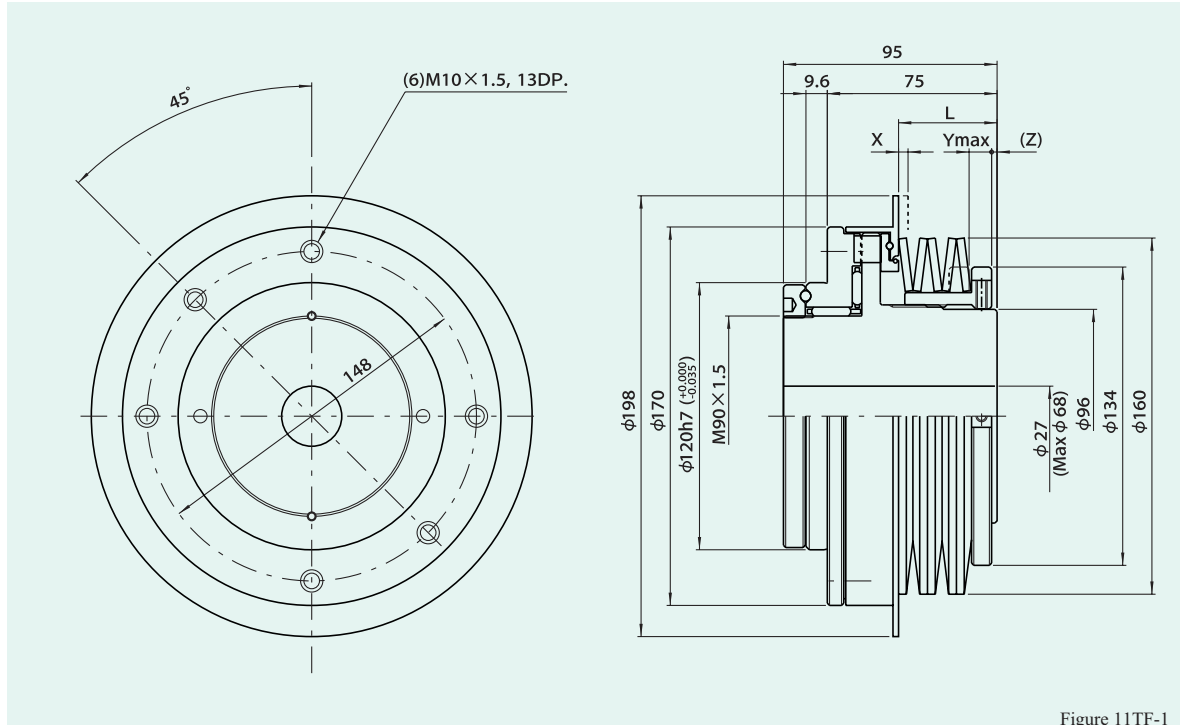
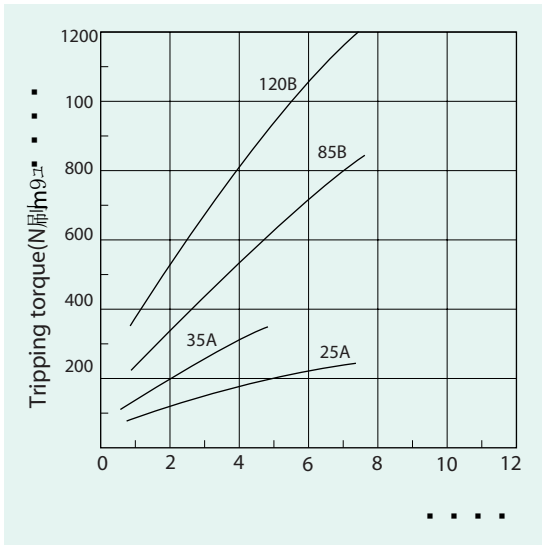


Figure 11TF-1

Torque Diagram

Figure 11TF-2



NOTE

1. Use only recommended shaft fastening devices to match the torque requirement, compression ring type fasteners are a good alternative to keyways types.
2. Measure hole depth before selecting the bolt length.
3. Lock the adjusting nut after setting the torque
4. Torque is set to minimum unless preset is specified.

Dimensions

Table 11TF1

Model	Range of tripping torque(N·m)	L (mm)	X (mm)	Ymax (mm)	Z (mm)
11TF-25A	80 ~ 250	42.0	2	7.3	2.0
-35A	120 ~ 350	43.0	3	5.0	1.0
-85B	220 ~ 850	42.0	2	7.7	-0.5
-120B	350 ~ 1200	43.0	3	7.4	-1.5

Specifications

Table 11TF2

Item	Unit	Value
Pitch of thread	mm	2
Max. allowable radial load	N	14700
Max. allowable thrust load	N	22050
Max. allowable bending moment	N·m	666
Max. revolution per minute	r.p.m.	300
Moment of inertia	kg·m ²	2.5 x 10 ⁻²
Mass	kg	11.4

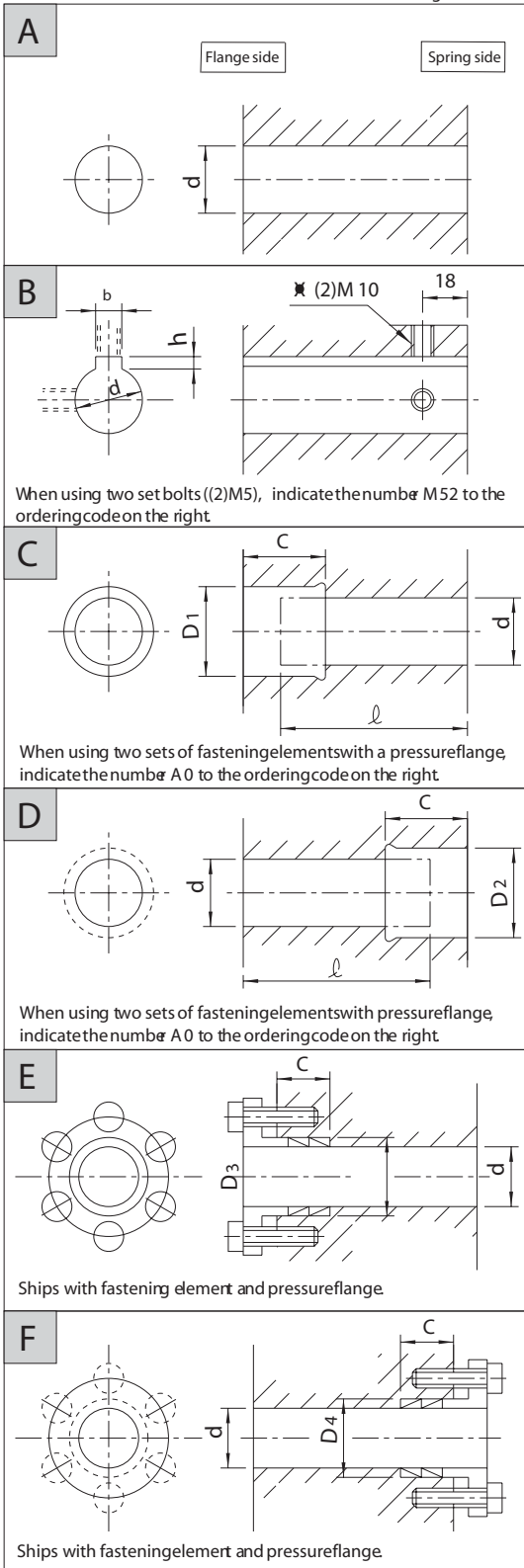
X : Denotes amount of movement when an overload occurs. Optional monitoring sensors can input to the controller to stop the machine.

Z : Denotes when the spring height is torque free and should be a reference when calculating tripping torques.

Ymax : Denotes the amount of turns the torque adjustment nut must be turned to obtain maximum tripping torque. Tightening beyond this amount can prevent the torque limiter from tripping.

Shaft hole dimensions

Figure 11TF- 3



Shaft hole dimension ordering codes

Unit : mm Table 11TF- 3

No.	d	Code No.	
1	40H 7	11TF-40H 7	
2	45H 7	-45H 7	
3	50H 7	-50H 7	
4	55H 7	-55H 7	
5	60H 7	-60H 7	

No.	d	b x h	Code No.
1	40H 7	12Js 9 X 33	11TF-40K 12J
2	45H 7	14Js 9 X 38	-45K 14J
3	50H 7	"	-50K 14J
4	55H 7	15Js 9 X 5.0	-55K 15J
5	60H 7	"	-60K 15J

No.	d	D ₁	C	ℓ	Code No.
1	35H 7	40H 8	56	58	11TF-S 354056
2	40H 7	45H 8	35	80	-S 404535
3	45H 7	52H 8	39	"	-S 455239
4	50H 7	57H 8	39	"	-S 505739
5	55H 7	62H 8	41	"	-S 556241
6	60H 7	68H 8	45	"	-S 606845

No.	d	D ₂	C	ℓ	Code No.
1	35H 7	40H 8	32	80	11TF-G 354032
2	40H 7	45H 8	35	"	-G 404535
3	45H 7	52H 8	39	"	-G 455239
4	50H 7	57H 8	"	"	-G 505739
5	55H 7	62H 8	41	"	-G 556241
6	60H 7	68H 8	45	"	-G 606845

No.	d	D ₃	C	Code No.
1	35H 7	40H 8	19	11TF-S 354019 B 0
2	40H 7	45H 8	"	-S 404519 B 0
3	45H 7	52H 8	24	-S 455224 B 0
4	50H 7	57H 8	"	-S 505724 B 1
5	55H 7	62H 8	"	-S 556224 B 1

No.	d	D ₄	C	Code No.
1	35H 7	40H 8	19	11TF-G 354019 B 0
2	40H 7	45H 8	"	-G 404519 B 0
3	45H 7	52H 8	24	-G 455224 B 0
4	50H 7	57H 8	"	-G 505724 B 0
5	55H 7	62H 8	"	-G 556224 B 0
6	60H 7	68H 8	30	-G 606830 B 1

(Note) The codes shown here are for standard hole drilling specifications. The countersink depth on the length of the shaft ℓ and the depth of the Ringfeder.