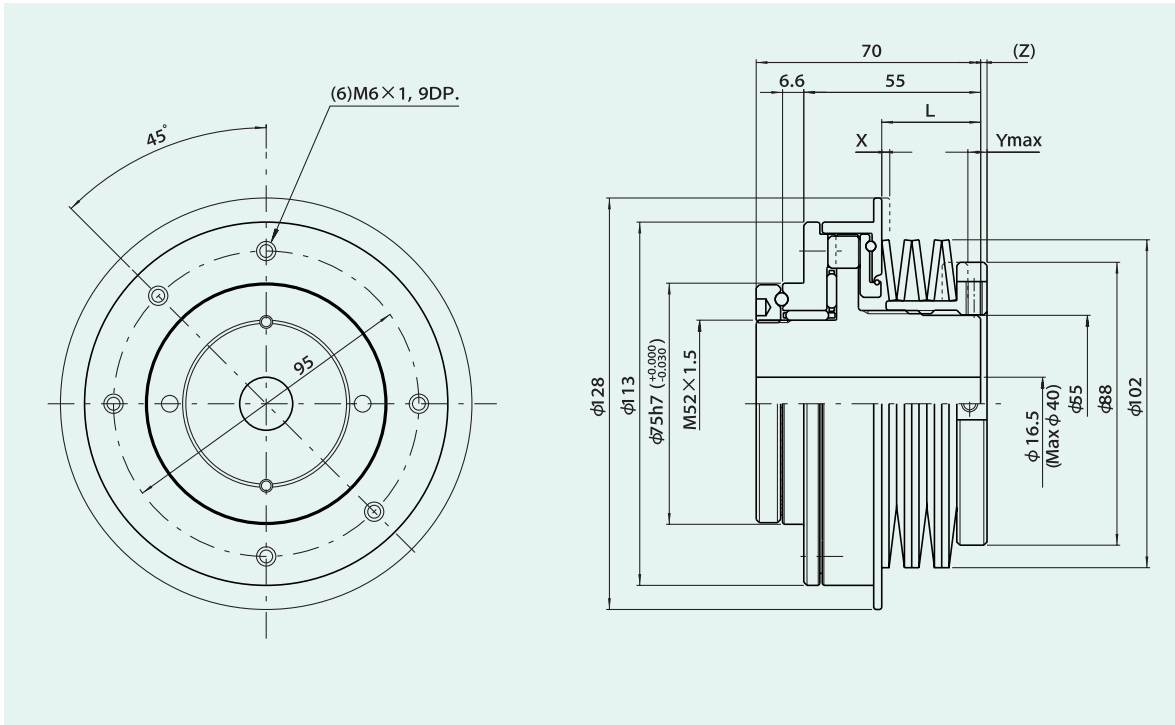
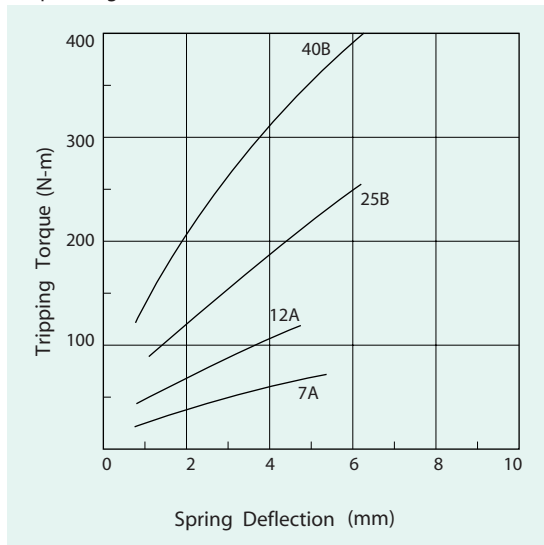


## 7TF Dimension



Torque Diagram

Figure 7TF-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 7TF-1

Model	Range of tripping torque (N·m)	L (mm)	X (mm)	Ymax (mm)	(Z) (mm)
7TF-7A	22~70	30	1.6	5.3	1.7
-12A	40~120	31	2.5	4.9	0.9
-25B	80~250	30	1.6	6.2	1.4
-40B	120~400	31	2.5	6.2	0.6

### Specifications

Table 7TF-2

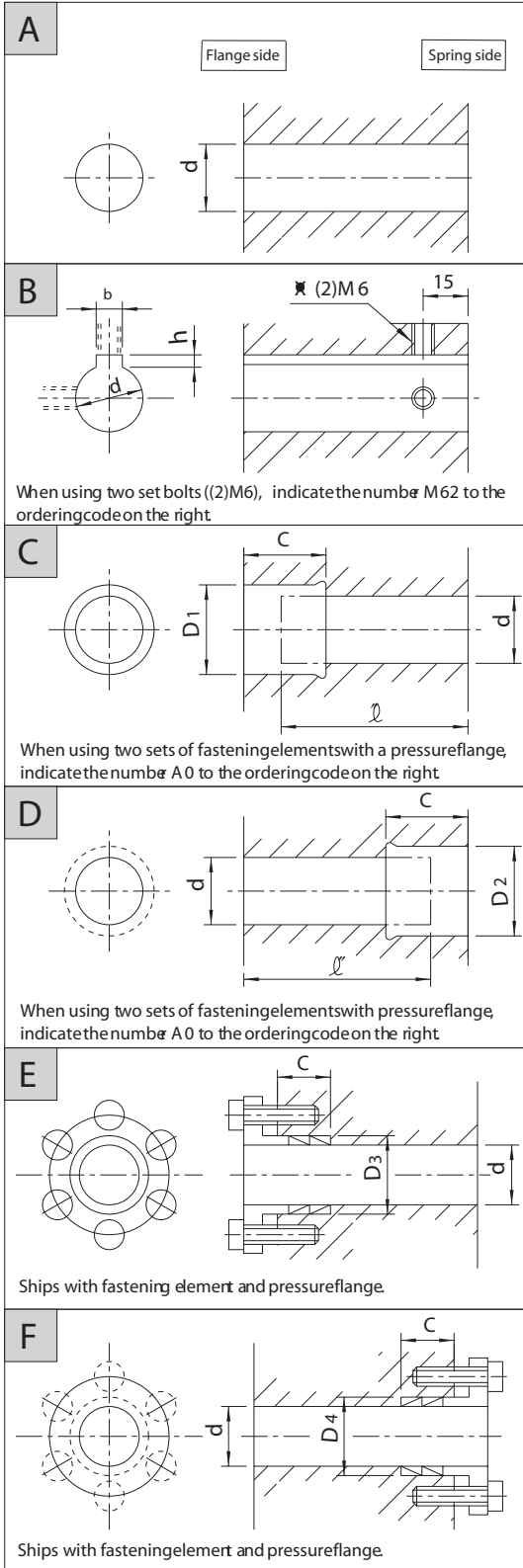
Item	Unit	Value
Pitch of thread	mm	2
Max. allowable radial load	N	7154
Max. allowable thrust load	N	10780
Max. allowable bending movement	N·m	196
Max. revolution per minute	r.p.m.	600
Moment of inertia	kg·m <sup>2</sup>	4.8 x 10 <sup>-3</sup>
Mass	kg	3.4

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



Shaft hole dimension ordering codes

Unit : mm Table 7TF-3

No.	d	Code No.	
1	20H 7	07TF-20H 7	
2	22H 7	-22H 7	
3	24H 7	-24H 7	
4	25H 7	-25H 7	
5	28H 7	-28H 7	
6	30H 7	-30H 7	
7	32H 7	-32H 7	
8	35H 7	-35H 7	
9	40H 7	-40H 7	

No.	d	b x h	Code No.
1	20H 7	6Js 9 X 28	07TF-20K 6 J
2	"	7Js 9 X 33	-20K 7 J
3	22H 7	"	-22K 7 J
4	24H 7	"	-24K 7 J
5	25H 7	"	-25K 7 J
6	"	8Js 9 X 33	-25K 8 J
7	28H 7	"	-28K 8 J
8	30H 7	"	-30K 8 J
9	"	10Js 9 X 33	-30K 10 J
10	32H 7	"	-32K 10 J
11	35H 7	"	-35K 10 J

No.	d	D 1	C	ℓ	Code No.
1	20H 7	25H 7	45	40	07TF-S 202545
2	22H 7	26H 7	"	"	-S 222645
3	24H 7	28H 7	"	"	-S 242845
4	25H 7	30H 7	36	50	-S 253036
5	28H 7	32H 7	"	"	-S 283236
6	30H 7	35H 7	30	57	-S 303530
7	32H 7	36H 7	36	50	-G 323636
8	35H 7	40H 7	38	"	-G 354038

No.	d	D 2	C	ℓ	Code No.
1	20H 7	25H 7	35	50	07TF-G 202535
2	22H 7	26H 7	"	"	-G 222635
3	24H 7	28H 7	"	"	-G 242835
4	25H 7	30H 7	36	"	-G 253036
5	28H 7	32H 7	"	"	-G 283236
6	30H 7	35H 7	"	"	-G 303536
7	32H 7	36H 7	"	"	-G 323636
8	35H 7	40H 7	38	"	-G 354038

No.	d	D 3	C	Code No.
1	20H 7	25H 7	15	07TF-S 202515 B 0
2	22H 7	26H 7	"	-S 222615 B 0
3	24H 7	28H 7	"	-S 242815 B 0
4	25H 7	30H 7	"	-S 253015 B 0
5	28H 7	32H 7	"	-S 283215 B 0
6	30H 7	35H 7	"	-S 303515 B 1

No.	d	D 4	C	Code No.
1	20H 7	25H 7	15	07TF-G 202515 B 0
2	22H 7	26H 7	"	-G222615 B 0
3	24H 7	28H 7	"	-G 242815 B 0
4	25H 7	30H 7	"	-G 253015 B 0
5	28H 7	32H 7	"	-G 283215 B 0
6	30H 7	35H 7	"	-G 303515 B 1
7	32H 7	36H 7	"	-G 323615 B 1
8	35H 7	40H 7	19	-G 354019 B 1

(Note) The codes shown here are for standard hole drilling specifications. The countersink depth depends on the length of the shaft  $\phi 9$  and the depth of the Ringfeder.