



11TC Dimension

Unit : mm

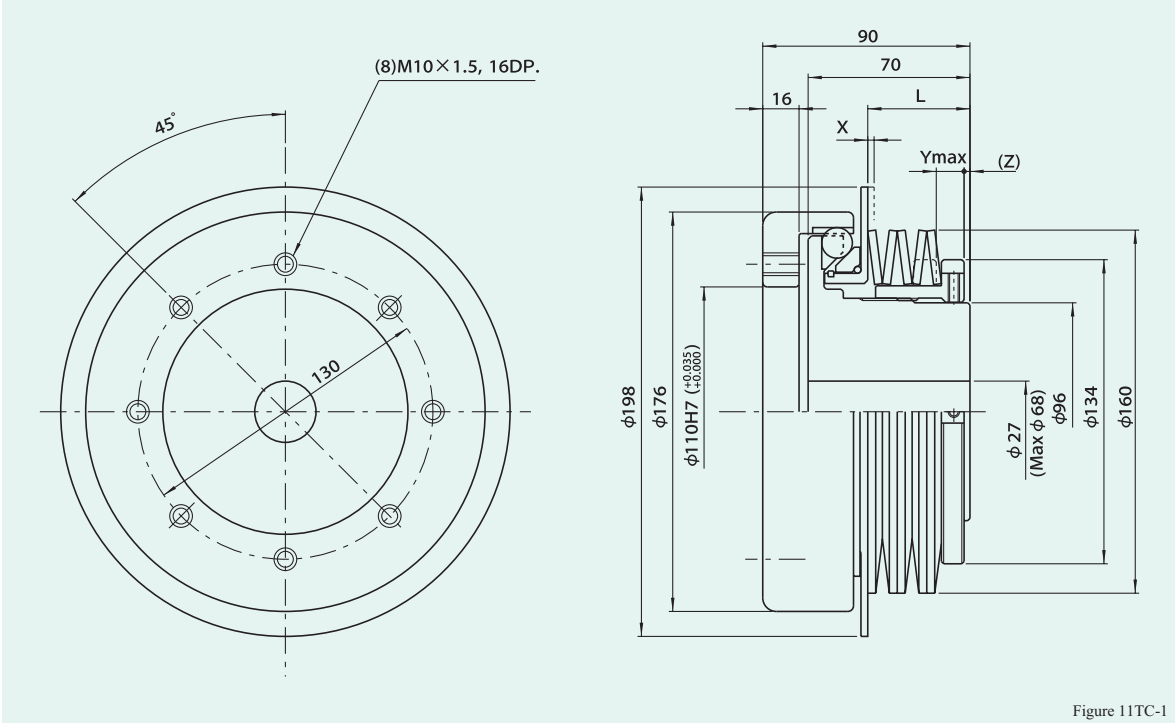
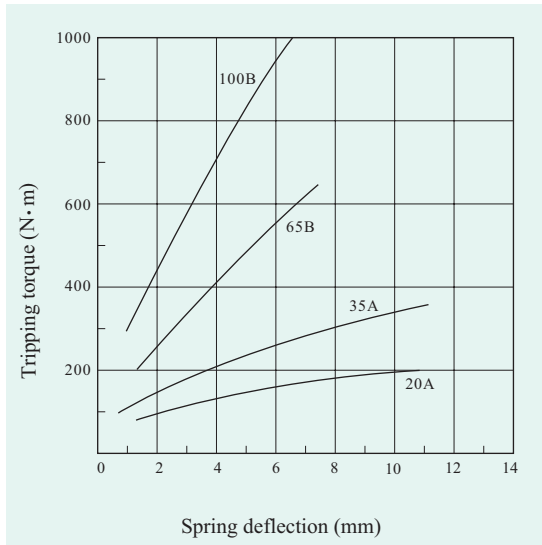


Figure 11TC-1

Torque diagram

Figure 11TC-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 11TC-1

Model	Range of tripping torque (N·m)	L (mm)	X (mm)	Ymax (mm)	(Z) (mm)
11TC-20A	70 ~ 200	41.5	2.0	10.8	2.4
-35A	100 ~ 350	43.0	3.2	11.2	1.0
-65B	200 ~ 650	41.5	2.0	7.4	-0.1
-100B	300 ~ 1000	43.0	3.2	6.7	-1.5

Specifications

Table 11TC-2

Item	Unit	Value
Pitch of thread	mm	2
Max. allowable angle error	deg	1
Max. allowable space error	mm	±2.5
Max. allowable parallel offset	mm	0.1
Max. revolution per minute	r.p.m	400
Moment of inertia	kg·m ²	3.5 X 10 ⁻²
Mass	kg	10.8

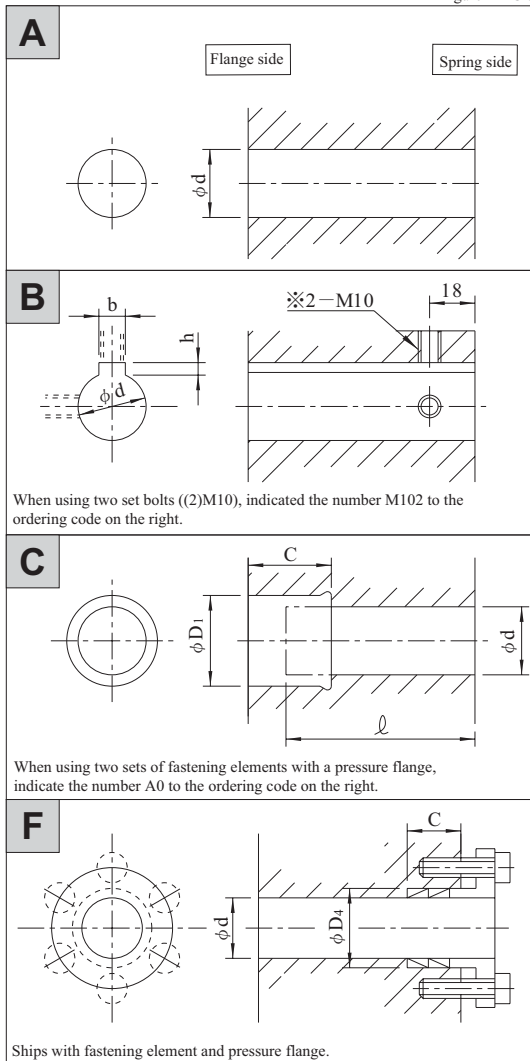
X : Denotes amount of movement when an overload occurs.
Optional monitoring sensors can input to the controller to stop the machine.

(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 11TC-3



Option

Shaft mounting flange

Code No.)

11TC-C d O

Note) pressured flange and 2 sets of fastening elements are attached.

ϕd (N·m)	$C \pm 0.2$ (mm)	Reference transmitted torque (N·m)	※ Reference torque for fastening bolt (N·m)
$\phi 40$ $\begin{smallmatrix} +0.025 \\ +0.0 \end{smallmatrix}$	19	578	14
$\phi 45$ $\begin{smallmatrix} +0.025 \\ +0.0 \end{smallmatrix}$	25	833	34
$\phi 50$ $\begin{smallmatrix} +0.025 \\ +0.0 \end{smallmatrix}$	25	1372	34
$\phi 55$ $\begin{smallmatrix} +0.030 \\ +0.0 \end{smallmatrix}$	25	1519	34
$\phi 60$ $\begin{smallmatrix} +0.030 \\ +0.0 \end{smallmatrix}$	29	1960	68

※ Please refer to DIN912-10.9 for torque fastening bolt.

Shaft hole dimension ordering codes

Unit : mm

Table 11TC-3

No.	ϕd		Code No.		
	1	40H 7			11TC -40H 7
2	45H 7			-45H 7	
3	50H 7			-50H 7	
4	55H 7			-55H 7	
5	60H 7			-60H 7	
No.	ϕd	$b \times h$	Code No.		
	1	40H 7	1 2Js9×3.3	11TC -40K 12J	
2	45H 7	1 4Js9×3.8		-45K 14J	
3	50H 7	"		-50K 14J	
4	55H 7	15Js9×5.0		-55K 15J	
5	60H 7	"		-60K 15J	
No.	ϕd	ϕD_1	C	ℓ	Code No.
	1	35H 7	40H 8	31	56
2	40H 7	45H 8	34	"	-S 404534
3	45H 7	52H 8	38	"	-S 455238
4	50H 7	57H 8	"	"	-S 505738
5	55H 7	62H 8	40	"	-S 556240
6	60H 7	68H 8	46	5 4	-S 606846
No.	ϕd	ϕD_1	C	Code No.	
	1	35H 7	40H 8	19	11TC -G 354019B 0
2	40H 7	45H 8	"	-G 404519B 0	
3	45H 7	52H 8	24	-G 455224B 0	
4	50H 7	57H 8	"	-G 505724B 0	
5	55H 7	62H 8	"	-G 556224B 0	
6	60H 7	68H 8	29	-G 606829B 1	

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

Figure 11TC-4

