

14TC Dimensions

Unit : mm

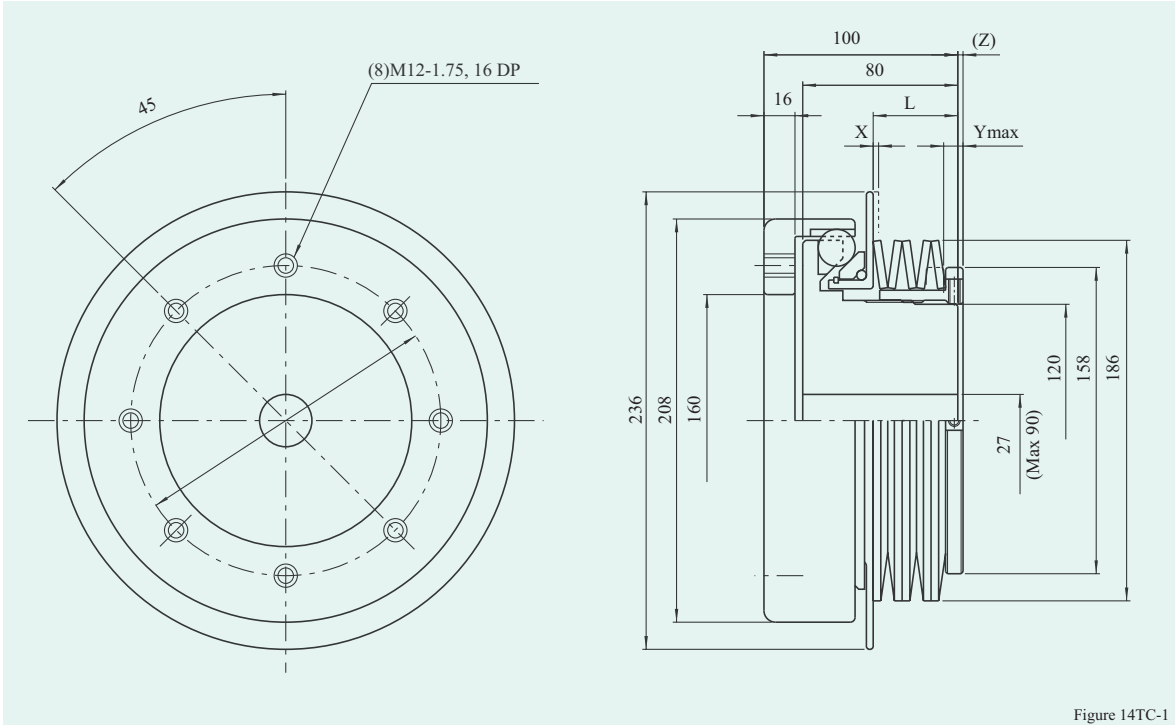
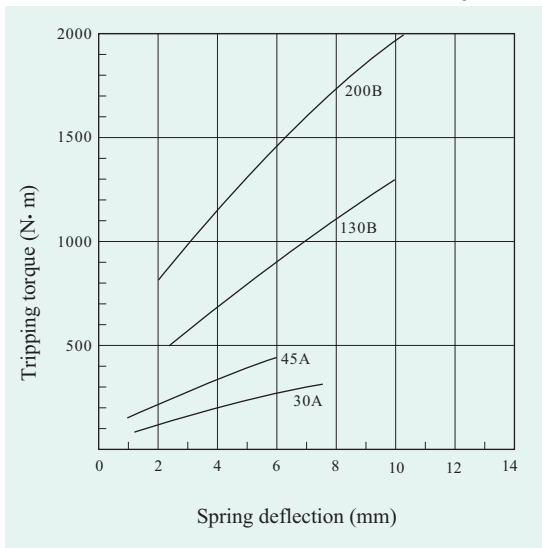


Figure 14TC-1

Torque diagram

Figure 14TC-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 14TC-1

Model	Range of tripping torque (N·m)	L (mm)	X (mm)	Ymax (mm)	(Z) (mm)
14TC-30A	100 ~ 300	44.0	2.1	7.5	4.5
-45A	150 ~ 450	44.0	3.7	6.0	4.5
-130B	500 ~ 1300	44.0	2.1	10.0	3.5
-200B	800 ~ 2000	44.0	3.7	10.2	3.5

Specifications

Table 14TC-2

Item	Unit	Value
Pitch of thread	mm	2
Max. allowable angle error	deg	0.7
Max. allowable space error	mm	±3.5
Max. allowable parallel offset	mm	0.1
Max. revolution per minute	r.p.m	300
Moment of inertia	kg·m ²	9.3 X 10 ⁻²
Mass	kg	20

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.

