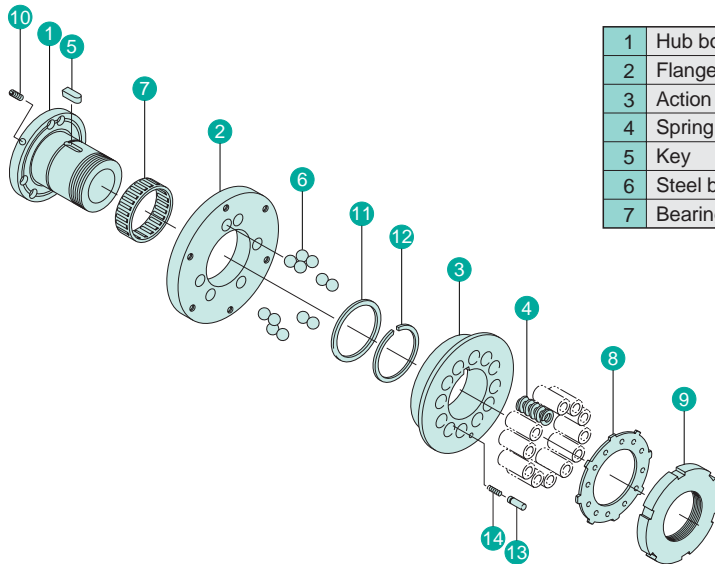


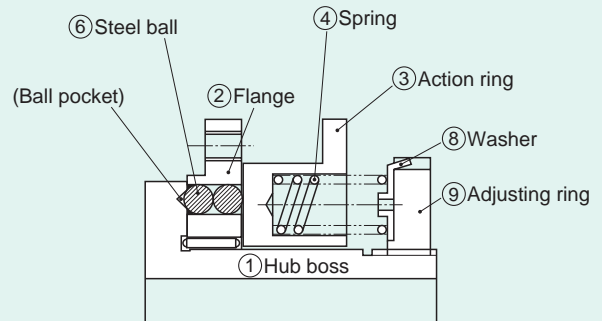
The torque releasers in TX Series are available in four types, B, D, E and R to meet various applications. The basic clutch mechanism is common structure. The structure and principle of type D are explained below:



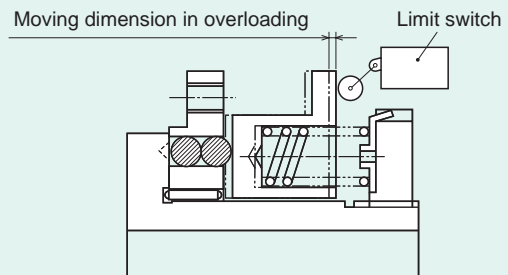
1	Hub boss	8	Washer
2	Flange	9	Adjusting ring
3	Action ring	10	Hexagon socket head setscrew
4	Spring	11	Ring
5	Key	12	WR type stopper ring
6	Steel ball	13	Pin
7	Bearing	14	Spring

- (1) In ordinary operation, the steel ball ⑥ held by the flange ② is pressurized and held in the ball pocket of the hub boss ① with the force of the spring ④, and the torque is transmitted from the hub boss ① to the flange ② through the steel ball ⑥.
- (2) When overloaded, the steel ball ⑥ is pushed out on the slope of the ball pocket of the hub boss ①, and the transmission torque is shut off. At this time, the action ring ③ moves in the axial direction (to the adjusting ring ⑨ side). By making use of this motion, the overload can be detected by limit switch, proximity switch, or the like.
- (3) When resuming operation, after removing the cause of overload, the input side or output side of the torque releaser is rotated. When the steel ball comes to the specified position of the ball pocket (one position in one revolution), it is automatically reset by the force of the spring ④.

In ordinary operation (when setting)



When overloaded (when releasing)



*Dimensions and specifications might be changed for improvement without notice.