

6 | SPRING PINS

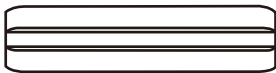
Types of Spring Pins (Characteristics and Instructions for Use)

Common Characteristics

- The Spring Pin is a thin sheet rolled in a cylindrical shape and provided with a slit. Inserting (press fitting) the pin into a hole having a slightly smaller diameter than the diameter of its outer periphery causes the inner pressure (pin spreading force) to act on the inner circumference of the hole. This prevents dropping off of the pin.
- As compared to sold pins, the hollow Spring Pin allows lighter weight.
- Used for positioning, prevention of rotation and prevention of dropping off.

TYPE
1

Spring Pin (For General Purpose)



Characteristics

- Used for easy tightening, and positioning.
- It prevents falling out the mating hole with gripping force.
- The Pin should be doubled if you want to increase the shear load. (The resultant load is given by adding the shear load of inner pin and that of outer pin.)

TYPE
2

Spring Pin (For Light Duty)



Characteristics

- The insertion force is smaller than the Spring Pin (For General Purpose).
- The slit is waved to prevent entanglement of the product.
- Mainly used for hinges from resin (retained parts will be broken by general-purpose pins) as well as in applications where the shear load is lower.

Instructions for Use

With the Pin inserted into the hole, rotating the retained part repeatedly may cause the pin to drop off.