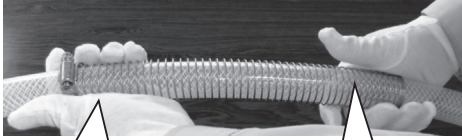


# Hose Protection (Spring Guards)

## “How to install Hose Protection (Spring Guards) ⇒ Precautions for Use”

### 1 Insertion Direction

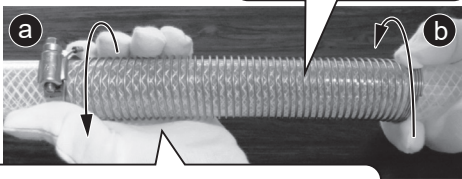


Twist and turn the spring guards in a clockwise fashion. Thus, the dimension of the spring guards is widened to go into the hose.

Hold the spring guards and insert the spring guards to the hose gradually.

When installing the spring guards, hold the end of the spring guards by hand. Turn the flat band in a clockwise fashion and insert the spring guards, keeping the spring diameter widened.

### 2 Insertion Direction



① The end “a” is shifted in the insertion direction to widen spring pitches.

② After the spring pitches are widened, shift the “b” again to shrink the spring pitches. Then repeat this process.

After the spring guards are completely inserted, hold the both ends of the spring guards with your hands. Also, please turn at each end of the spring guards in a clockwise fashion and widen spring diameter. Then, after the spring pitches are shrunk as shown on photo 2, shift the flat band “a” to the insertion direction, and widen spring pitches again. (①)

Shift the “b” on the opposite side to shrink the spring pitches. Repeat this process in order to insert the spring guards until it seals against the body base. (②)

### 3



Tighten and fix a flat band.

Tighten and fix a flat band of one side on a place where you want to fix.

**Done !**

## Precautions for Use

In order to use HAKKO EIGHTRON® products safely, please read the following instructions carefully.

If the instructions are not observed, property damage and injuries to human body might occur.

We do not owe any responsibility, so please follow the instructions.

• “Spring Guards” prevent a flexible hose from kinking. Do not use “Spring Guards” for other purposes.

Do not directly attach “Spring Guards” to food.

• Hoses should not be used below the minimum bend radius.

• “Spring Guards” extend or contract. Please be careful when handling.

• When fixing a flat band, do not tighten the band extremely. That may lead to crushing the hose.

• When you handle or install “Spring Guards,” be sure to wear a pair of gloves.

• Do not place heavy object on “Spring Guards.” Also, “Spring Guards” should not be running over by vehicles.

• If the high-insulated fluids, which are likely to give out static electricity, high-inflammable fluids, which are flown inside the hose, or “Spring Guards” are used under environments where there are high inflammable things around, please make sure you take out the build-in spring wires to eliminate static electricity. In case “Spring Guards” are not grounded, the Stainless Steel will become suspended conductors to accumulate and discharge static electricity, resulting in danger of causing fire.