

The **MINI** series worm drive clip has a perforated band. This ensures that the worm drive clip will always remain where it has been placed and connects to the hose perfectly. The perforation also gives the worm drive clip extreme flexibility. The **MINI** worm drive clip has a band width of 8mm and is available in a wide range of diameters.

**MINI** series are tiny, tough and precision engineered for use in small diameter hose applications such as emission control, fuel line and vacuum hoses.

Their slim **5/16"** band and low profile housing make them easy to install in confined areas.

## MINI Worm Drive MINI Hose Clips

Item Code	IS/BS sizes	Min mm	Max mm	Std Pack nos	Price Per Nos
MINI 000	12	8	12	200	11.00
MINI 00M	16	10	16	200	11.00
MINI 00	20	13	20	200	11.00
MINI 25A	25	18	25	200	12.00
MINI 1A	28	22	28	100	14.00
MINI 1	38	30	38	100	15.00

**Phoenix**

Mini SS



8mm

**Phoenix Light Range Clips** and suitable for hand fitting; **PHOENIX Butterfly Clips** are supplied with a thumb screw, allowing easy torquing using just a thumb and forefinger.

Suitable for applications where there is a requirement for frequent tightening/loosening on low torque applications; mainly for the hardware market. This product range is manufactured to DIN Standard and has a plastic spade for ease of use. Butterfly Clip are suited to fittings that may need to be removed from time to time such as dust extraction units, garden hoses, Medical Instruments and other domestic applications.

The range starts from 11mm and extends through to 60mm. Butterfly Clip are available in Stainless Steel only.

## Product Description



1. Hose clamps with handle make for quick and each attachment of ducting to collar fittings.
2. Made from quality stainless steel, this hose clamps uses a butterfly style tightening tab.
3. No screwdriver or tightening tool required.
4. Just turn the tab to desired fit and rest assured the clamp will not stretch or slide off.
5. Unique butterfly shaped screw head easily twists for hand tightening without tools.

Butterfly Key Clip



Band Width 9mm



## BFSS

### Worm Drive Hose Clips with Butterfly Key

Item Code	IS/BS sizes	Min mm	Max mm	Min inch	Max inch	Std Pack nos	Price Per Nos
BFSS 00M	16	11	16	1/2	5/8	100	14.00
BFSS 00	20	13	20	1/2	3/4	100	14.00
BFSS 0	22	16	22	5/8	7/8	100	16.00
BFSS 25A	25	18	25	3/4	1	100	16.00
BFSS 0X	28	20	28	3/4	1-1/8	100	18.00
BFSS 1A	30	22	30	7/8	1-1/4	100	18.00
BFSS 35A	35	25	35	1	1-3/8	100	20.00
BFSS 1X	40	30	40	1-1/8	1-5/8	100	20.00
BFSS 45A	45	32	45	1-1/4	1-3/4	100	22.00
BFSS 2A	50	38	50	1-1/2	2	100	22.00
BFSS 2	55	42	55	1-5/8	2-1/8	100	22.00
BFSS 2X	60	45	60	1-3/4	2-3/8	100	24.00

# **Spring Band Hose Clamp**

**PHOENIX Spring Band Clamp (SB)** is a self adjusting sealing component which provides a nearly constant clamping force over a wide range of operating temperatures and pressures. This nearly constant clamping force insures a leak proof joint over a wide range of operating conditions.

The Standard SB CLIP can be installed with pliers.

## Advantages of the Spring Band Clamp compared to a typical screw type clamp:

- Self-tensioning sealing component
- High-tensile alloy spring steel
- Environmentally friendly surface protection
- Leakproof immediately upon assembly in all systems with liquid and gaseous media
- Assembly advantage to simple, safe, quick, and cost-efficient handling
- Temperature range - from -40°F up to 392°F



## Application

Spring Band Hose Clamp have a wide range of use, can resist the corrosion and, rust in marine environments. The products are workmanship and durability.

Clamps are dopted in securing hoses, pipe, cable, tube, fuel lines etc.Perfect to apply in both indoor and outdoor situation as automotive, industrial, boat, marine,shield, household and so on.

spring hose clamp are self-tightening, sealing elements made from tempered spring band steel offeringa high level of flexible to ensure reliable, leak proof connection of a hose to s fitting.

Re-torque and re-adjustment are not required after installation.

Maintains constant tension throughout all pressure and fluid systems of almost any application.

Leak-proof solution for applications, ranging-40°F-392°F



**SB**  
**Spring Band Hose Clip**



Item Code	Min	Max	Std Pack	Price
	mm	mm	nos	Per Nos
SB 8	8	9.5	500	6.75
SB 9	9	11	500	6.75
SB 10	10	12	500	7.25
SB 11	11	13	500	7.50
SB 12	12	14	100	8.50
SB 13	13	15	100	9.25
SB 14	14	16	100	9.25
SB 15	15	17	100	11.00
SB 16	16	18.5	100	12.00
SB 17	17	20	100	14.00
SB 18	18	21	100	15.00

The “**Phoenix EAR Clips**” offer effective and powerful all-round sealing. The dimple can compensate for changes in diameter due to thermal expansion. Provide uniform and adjustable surface pressure. Bolt-free, compact one-piece ear clip provide simple, fast and secure installation.

**Material:** 304 Stainless Steel

**Application :** Stepless clamps are often used in automotive cooling and fuel systems, radiator hose, motorcycle, irrigation system, washing machine, beverage and marine industries.

## Installation Guide :

Single Ear Hose Clips are extremely simple to install, and they are more secure and compact than standard screw type hose clamps. Installing them is very straightforward, following below steps will make installation even easier.

**Step 1:** Position a properly-sized ear clamp on the hose.

**Step 2:** Use a special crimping tool("Jaw Pincer") to tighten ear clamps on the hose.

**\*\*There are Straight-jaw Clamp Pliers and Side-jaw Clamp Pliers (see below pictures), depending on how much space around the installation. If space restricted, use Side Jaw Pincers and hold it parallel to the hose during closure, as the third picture shows.**

**Note :** Do not attempt to try to completely close it, as the slightly open ear will accommodate expansion and contraction of the hoses and fittings as the system heats and cools.

**Removal:** Two ways to remove Stepless Ear Loop. 1,Use pincer to grasp the hook of clamp then pull it away from the ear. 2, Place pincer jaws across the ear and cut through it.

**Note:** Once removed, they can no longer be reused.



Ear Type S.S Hose Clip



## EAR

### Single Ear SS 304 Hose Clips

Item Code	Width	Open Dia	Closed Dia	Std Pack	Price
	mm	mm	mm	nos	Per Nos
EAR 65	5	6.5	4	100	29.00
EAR 7	5	7	4.5	100	29.00
EAR 8	5	8	5.5	100	30.00
EAR 87	5	8.7	6.2	100	30.00
EAR 9	5	9	6.5	100	30.00
EAR 95	5	9.5	7	100	32.00
EAR 105	5	10.5	8	100	32.00
EAR 113	5	11.3	8.8	100	35.00
EAR 119	5	11.9	9.4	100	35.00
EAR 123	7	12.3	9.8	100	35.00
EAR 128	7	12.8	10.3	100	35.00
EAR 133	7	13.3	10.8	100	35.00
EAR 136	7	13.6	11.1	100	35.00
EAR 14	7	14	11.5	100	38.00
EAR 145	7	14.5	12	100	38.00
EAR 153	7	15.3	12.8	100	38.00
EAR 157	7	15.7	13.2	100	38.00
EAR 162	7	16.2	13.7	100	38.00
EAR 17	7	17	14.5	100	38.00
EAR 175	7	17.5	15	100	38.00
EAR 185	7	18.5	16	100	38.00
EAR 192	7	19.2	16.7	100	42.00
EAR 198	7	19.8	17.3	100	42.00
EAR 275	7	27.5	24.5	100	48.00



Position a properly-sized ear clamp on the hose



Crimping straight on towards the clamp

Straight Jaw Pincer Tool



Crimping from the side

Side Jaw Pincer Tool