HVLock® 4.50mm Hand Tool

ALL CRIMPS IN ONE TOOL

The FCI Basics' crimping hand tool is professionally designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet and combines 3 different crimping cavities together in a single tool.

All crimps with one tool!

This hand tool is dedicated for HVLock® Crimp-to-Wire product.

HVLock® is a compact design that addresses the growing need for space saving automotive-grade connectors. HVLock® is a double row configuration in 4.50mm pitch with nominal current carrying capacity of 3A.

HVLock® is USCAR-2, USCAR-37 (HV testing parts).

- HVLock® Hand tool P/N: 10172953-001HT
- 3 different crimp cavities in one product
- AWG sizes: 20 – 22
- Contact (Part numbers):
    - 10170160-001LF (AWG 22)
    - 10170160-002LF (AWG 20)
- Ergonomic handle for an optimal grip

TARGET MARKETS

Amphenol CS recommends using the hand tool for prototyping and small production quantities.

This tool should only be used for the terminals and wire gauges specified in this document.

To learn more about how to use our all-in-one Crimping Hand Tool, click to watch the video.

Hand Tool Assembly

HVLock® Hand Tool
P/N: 10172953-001HT

1

Unlock 2 pins by pushing towards them.

2

Extract the pins.

3

Open the handles and insert the tool head into the open holes.
The laser marking of both parts should match.

4

Lock the pins by pushing toward them. Hand Tool is ready to use.

NOTE
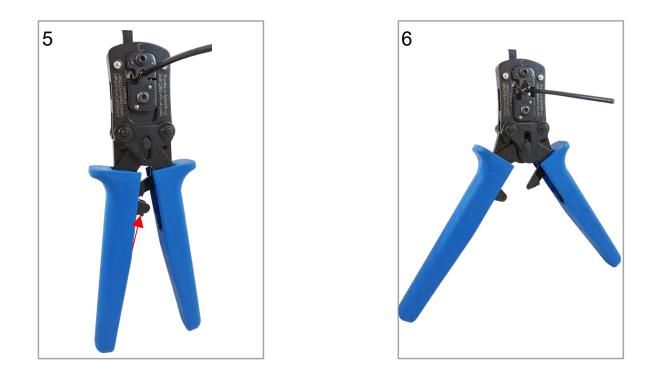Amphenol CS recommends using the hand tool for prototyping and small production quantities only.

Premature Release of the Hand Tool

In case of an assembly mistake / operating fault the pliers can be opened prematurely by unlocking the integrated ratchet by pushing the handles gently together and at the same time releasing the locking lever.

By doing so the handles can be opened completely and the crimp contact can be released.

⚠️ **CAUTION**
Do not use the crimped wire in case of a premature release!
Please pay attention that in-correct crimped wires are disposed and not processed.