ComboLock® 1.00mm Signal pitch and 3.00mm Power pitch Hand Tool

PROFESSIONAL, FAST & ROBUST

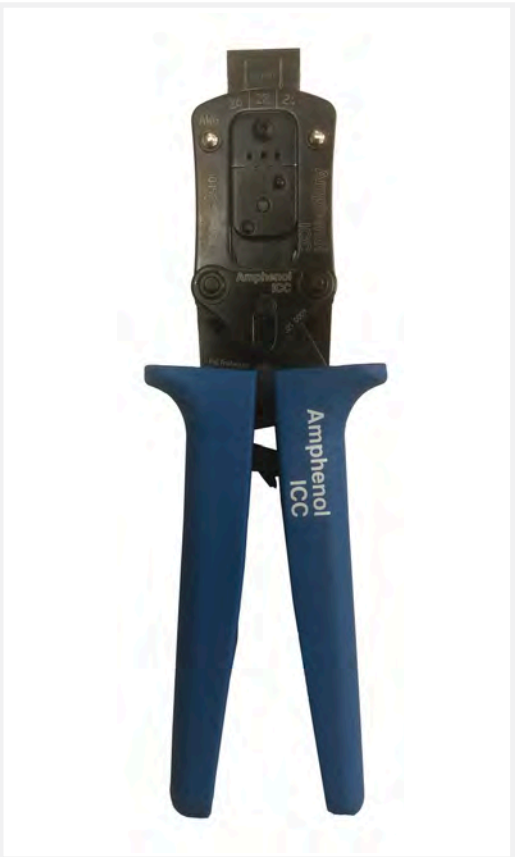
The FCI Basics' crimping hand tool is professionally designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet. There are 2 different tools depending on the wire gauge needed.

These hand tools are dedicated for the ComboLock® 1.00/3.00 mm Crimp-to-Wire product.

ComboLock® is a compact, hybrid wire-to-board connector system that saves space, allows for simpler assembly and simpler cable management. The connector system offers a hybrid 1.00mm pitch signal and 3.00mm pitch power configuration with an active latching feature.

The connector has nominal current carrying capacity of 10A/pin max. for power and 1.5A/pin max. for signal.

- ComboLock® Hand tool P/N:
  - 10164147-001HT (AWG 24-26-28-30)
  - 10164148-001HT (AWG 18-20)
- Contact (MPNs):
  - 10162696-001LF & 10162696-002LF (Use with 10164147-001HT)
  - 10162697-002LF (Use with 10164148-001HT)
- Ergonomic handle for an optimal grip



TARGET MARKETS

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

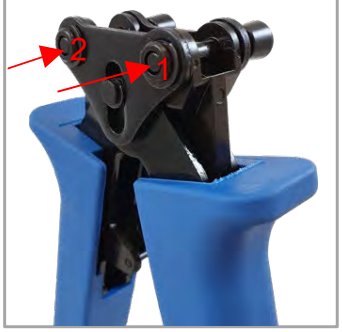
This tool should only be used for the terminals and wire gauges specified in this document.

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

Hand Tool Assembly

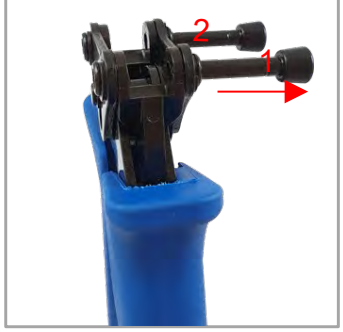
ComboLock® 1.00/3.00mm
P/N : 10164147-001HT & 10164148-001HT

1



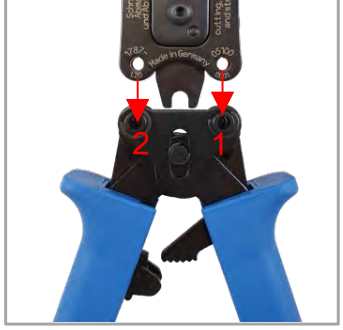
Unlock 2 pins by pushing towards them.

2



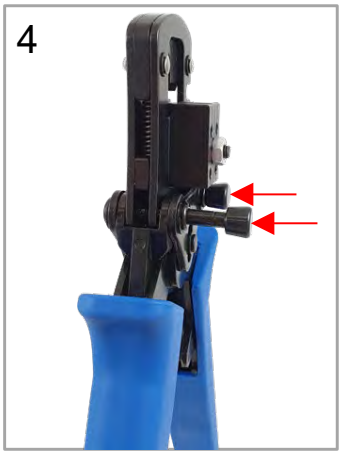
Extract the pins.

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.

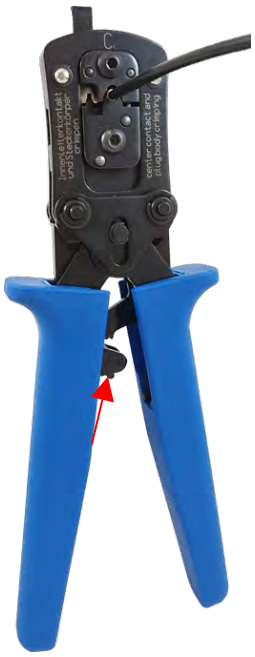
NOTE
Amphenol CS recommends using the hand tool for prototyping and small production quantities only.

Premature Release of the Hand Tool

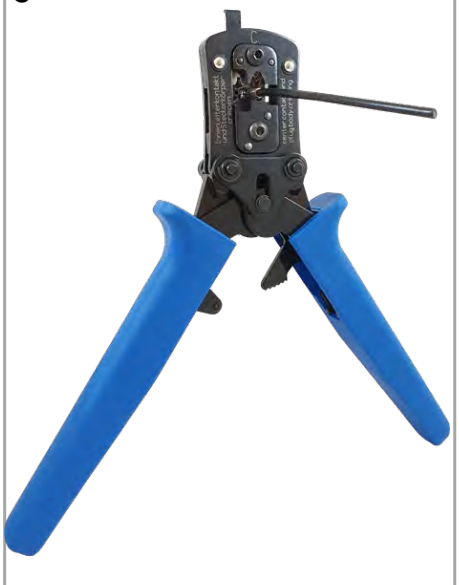
In case of an assembly mistake / operating fault the pliers can be opened prematurely by unlocking the integrated ratchet by pushing the handles gently together and at the same time releasing the locking lever.

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

5



6



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.