

Contact Number	Wire Size mm <sup>2</sup> [AWG]	Insulation Diameter	Strip Length	Crimp Height
TC114 CC393	0.08 [28]	0.76 [.030] - 0.97 [.038]	See Application Tooling Section of Samtec Website	See Application Tooling Section of Samtec Website
	0.05 [30]	0.74 [.029] - 0.89 [.035]		

Figure 3

7. Crimp the terminal by squeezing the tool handles until the ratchet mechanism cycle has been completed. Release the handles to open the jaws.

8. Remove the crimped terminal from the terminal locator by pulling on the wire.

9. Visually inspect the crimped terminal for proper crimp location.



*Damaged contacts should not be used. If a damaged contact is evident, it should be cut from the wire and replaced with a new one.*

**4. MAINTENANCE AND INSPECTION PROCEDURE**

It is recommended that a maintenance and inspection program be performed periodically to ensure dependable and uniform terminations. Frequency of inspection depends on:

- The care, amount of use, and handling of the hand tool,
- The presence of abnormal amounts of dust and dirt,
- Your own established standards.

The hand tool is inspected before being shipped; however, it is recommended that the tool be inspected immediately upon its arrival at your facility to ensure that the tool has not been damaged during shipment.

**4.1 DAILY MAINTENANCE**

1. Remove dust, moisture, and other contaminants with a clean brush, or soft, lint free cloth.

2. Do not use any abrasive materials that could damage the tool.

3. Make certain all pins; pivot points and bearing surfaces are protected with a thin coat of high quality machine oil. Do not oil excessively. The tool was engineered for durability but like any other equipment it needs cleaning and lubrication for a maximum service life of trouble free crimping. Light oil (such as 30 weight automotive oil) used at the oil points, every 1,000 crimps or 3 months, will significantly enhance the tool life. See Figure 4.

4. Wipe excess oil from hand tool, particularly from crimping area. Oil transferred from the crimping area onto certain terminations may affect the electrical characteristics of an application.

5. When tool is not in use, keep the handles closed to prevent objects from becoming lodged in the crimping dies, and store the tool in a clean, dry area.

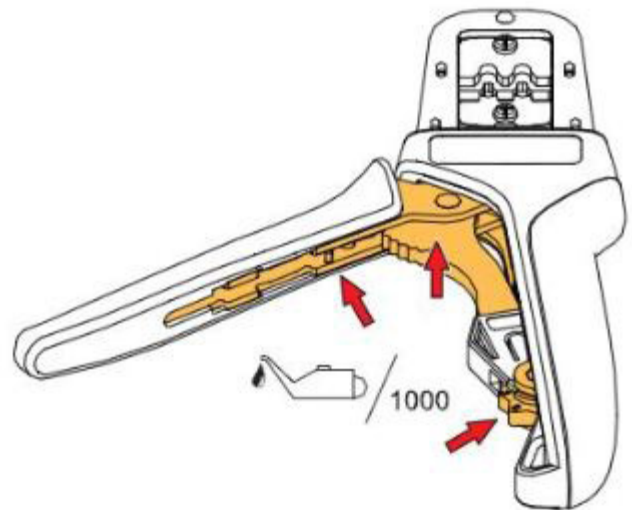


Figure 4

**4.2. CRIMP HEIGHT INSPECTION**

This inspection requires the use of micrometer with a modified anvil as shown in Figure 5.

Proceed as follows:

1. Select a contact and wire (maximum size) for each crimp section.
2. Refer to Section 3 and crimp the contact(s).
3. Using a crimp height comparator, measure wire barrel crimp as shown in Figure 5. If the crimp height conforms to applicable specifications, the tool is considered dimensionally correct.

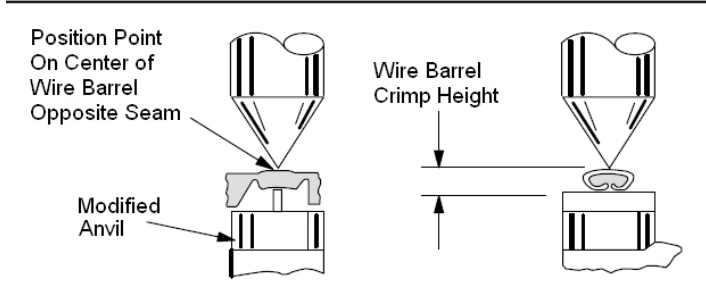


Figure 5

**4.3 MISCRIMPS OR JAMS**

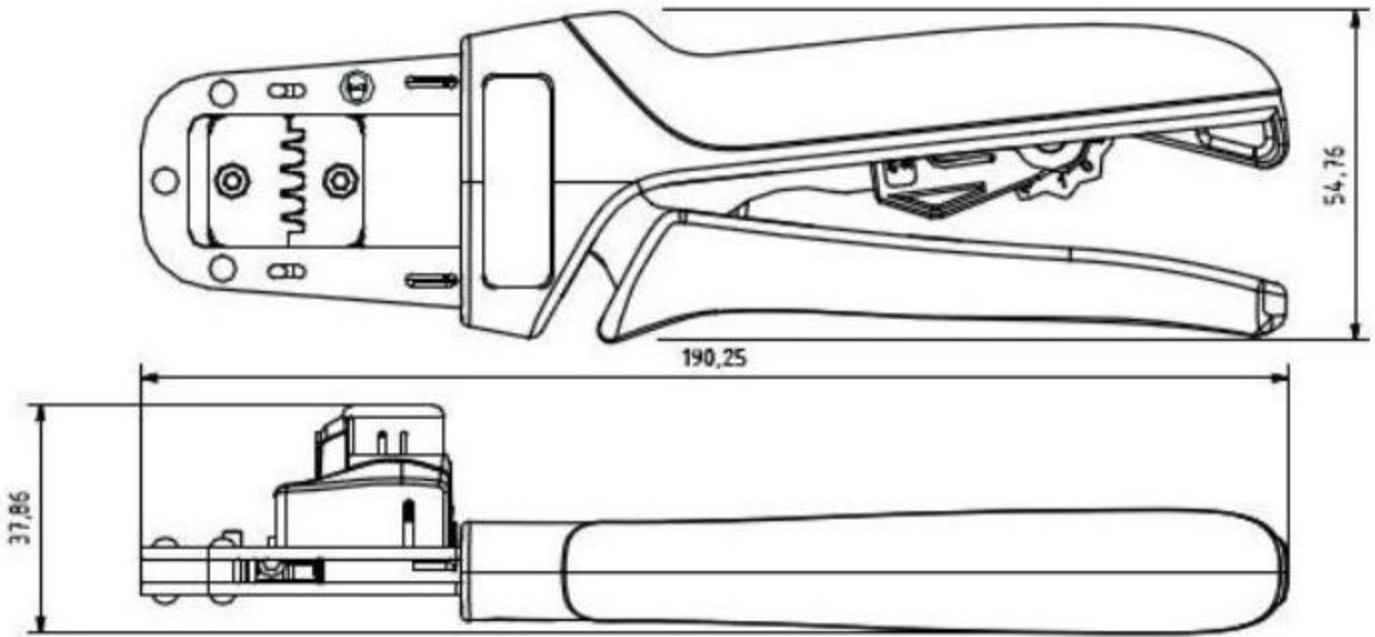
Should this tool ever become stuck or jammed in a partially closed position, do Not force the handles open or closed. The tool will open easily by pressing up on the ratchet release lever in the movable handle. See Figure 6.



Figure 6

**5. TOOL DIMENSIONS**

Refer to Figure 7 for tool dimensions



**Weight Approx. 0.3 kg [0.7 lbs]**

Figure 7

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[CAT-HT-393-2430-13](#)