

HOLLINGSWORTH



Operating Instructions

H13 - Ratchet Hand Tool
H28-13 Portable Air Tool



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TOOL WARRANTY

Electro-Term/Hollingsworth tools are warranted to be free from defects in material and workmanship under normal use and service. This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, or ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized products or parts.

Our obligation under this warranty is limited to the replacement of the product. We are not bound by any other warranty, expressed, implied, or statutory. Under no circumstances are we liable for any loss, damage, expenses, or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.

TOOL POLICY

A One-Year parts and labor guarantee shall be extended on all hand ratchet and pneumatic tools. Tooling must be sent back to Electro-Term/Hollingsworth for all repairs, recalibrations, and recertification.

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H13 Ratchet Hand Tool

H28-13 Portable Air Tool

Description

H13 The H13 Ratchet Hand Tool is a butting tool equipped with a ratchet mechanism that ensures a full cycle crimp. Upon completion of the crimp, the ratchet will release, allowing the tool to open.

H28-13 The H28-13 Portable Air Tool is also a butting tool, similar to the H13. Clean, dry lubricated air at a pressure of 85-100 p.s.i. should be supplied to the tool through a hose terminating in a 1/8" NPT female fitting.

A slide-in safety latch is provided to lock the air valve trigger bar in the safe position when the tool is not in use.

Either hand-held or bench-mounted operation is possible. When hand held, a trigger (handle) bar is pressed to crimp. When bench mounted, a remote control foot pedal is used instead of the trigger bar.

Terminal Locator

Both the H13 and the H28-13 come equipped with a locator to assist in the correct positioning of disconnects for crimping.

Product Application

The H13 Ratchet Hand Tool and the H28-13 Portable Air Tool are used to crimp the following disconnects:

22-18 and 16-14 AWG female slipon fixed insulated terminals (SO FIT), in tab widths .187, .205 and .250.

22-18 and 16-14 AWG female fully insulated slipon fixed insulated terminals (FISO FIT) in tab widths .187, .205 and .250.

22-18 and 16-14 AWG molded female fully insulated nylon couplers (FINC) in tab width .250.

22-18 and 16-14 female piggyback slipon fixed insulated terminals (PBSO FIT) in tab width .250.

Stripping Recommendations

Strip Length Table	
Disconnects	Strip Length $\pm 1/32$
SO FIT Piggyback & SO FIT	3/8
FISO and Female Couplers	13/32

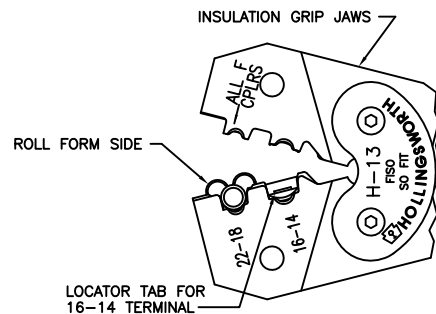


FIGURE 1

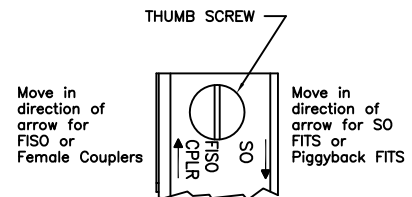


FIGURE 2

Crimp Procedure For Disconnects

1. Set the locator for the SO FIT, piggyback FIT, FISO and female coupler by loosening the knurled thumbscrew $1/4$ -turn. Slide the tab plate in the direction of the arrow stamped on the locator body to the end of its travel. Tighten the knurled thumbscrew securely (See Figure 2).
2. Insert a disconnect by holding the tool horizontally, with the locator on the far side. Slide the roll form portion of the SO FIT onto the locator tab opposite the proper nest. Orientation of the disconnect is important to ensure a good attachment (See Figure 1).

NOTE: Both female couplers are to be crimped in the 22-18 nest.

- 3A. H13
Insert the stripped end of the wire into the disconnect barrel. Without changing the disconnect location, hold the wire in position and complete the crimp by closing the tool handles to the ratchet stop. Remove the crimped disconnect.
- 3B. H28-13
Insert the stripped end of the wire into the disconnect barrel. Without changing the terminal location, hold the wire in position and complete the crimp by depressing the air cylinder trigger bar. Remove the crimped disconnect after releasing the trigger bar.

Maintenance

Lubricate all pins and pivot points every 4,000 to 5,000 crimps. Use a silicone or graphite based grease or any good grade S.A.E. No. 20 motor oil.