

# **Blackfin CT-940CH Crimp Head Tool Specification**

**I. SCOPE:** This specification defines the requirements for a remote hydraulic crimp head and related components for terminating compression connectors. The crimp head uses an open “C-Head” design which allows easy loadings of applicable products. This tool is meant for intermittent and continuous use.

**II. TOOL FUNCTION & FEATURES:**

**A. Mechanical Function:**

1. Tool output to be 15.2 tons (135 kN).
2. Minimum diametrical diameter opening to be 1.65" (41.91 mm).
3. Approximate cycle time to be 9 seconds without product.

**B. Operational Features:**

1. Crimp head does not require any operator adjustments.
2. All release and forward movement are controlled by hydraulic pump and accessories.
3. Crimp head to rotate at least 350 degrees fully.
4. No additional pinch points.

**III. DESCRIPTION OF USE:**

1. Attach hydraulic hose with 3/8" male Parker fitting to crimp head. Ensure the seal is tight.
2. The operator pre-wires the desired compression connector.
3. The operator properly positions the crimp head over the compression connector and activates the crimp cycle multiple times to position and hold the connector by pressing the ram advance trigger.
4. Assemble wire into connector.
5. Advance tool ram to start the crimping process. The tool ram continues to close as long as the operator holds the trigger and stops as soon as maximum output force is reached.
6. The operator may retract the tool ram by pushing the retract button.
7. The operator removes the compression connector from the crimp head.

**IV. TECHNICAL / PERFORMANCE SPECIFICATIONS:**

1. Copper compression lugs and splices for #8 AWG – 1000 kcmil code conductor
2. Copper compression lugs for #8 AWG – 777.7 kcmil flex conductor
3. Copper compression S Series, Tubular Terminals for #8 – 250 kcmil code conductor
4. Copper compression lugs and splices for 10 mm<sup>2</sup> – 630 mm<sup>2</sup> class 2R conductor and 10 mm<sup>2</sup> to 300 mm<sup>2</sup> Class 5f/6f conductor
5. StructuredGround™ Direct Burial Compression Grounding System connectors #6 AWG – 500 kcmil code conductor
6. Copper compression CTAPF taps for #12 – 3/0 AWG code conductor
7. Copper compression CTAP taps for #8 – 4/0 AWG code conductor
8. Copper compression HTCT taps for #14 AWG – 250 kcmil code conductor, #14 – 4/0 AWG flex conductor
9. Aluminum compression lugs and splices for #6 AWG – 1000 kcmil code conductor

**V. LIFETIME PERFORMANCE:**

Performance is based on standard usage and making sure all preventative maintenance requirements have been met on time.

**VI. PHYSICAL CHARACTERISTICS:**

**A. Approximate Overall Dimensions:**

1. Length: 12.75" ( 324 mm )
2. Width: 3" ( 76 mm )
3. Height: 5" ( 124 mm )

**B. Weight:** 11 lbs. (5 kg)

**C. Color and Texture:**

1. Natural with black coating.

**D. Environmental Requirements:**

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1. Must work in an indoor and outdoor environment.
- E. **Minimum Rate of Operation**
  1. Minimum of 4 crimps per minute with 3 trigger pulls per crimp.

## **VII. PACKAGING**

- A. Crimp head to be packaged in a bag.
- B. Crimp head bag must hold crimp head.

## **VIII. REGULATORY COMPLIANCE**

- A. **Crimp head:** Tool is UL/ CSA listed with Panduit dies and power connectors. Tool is CE compliant.

## **IX. OPERATION INSTRUCTIONS**

- A. Operating instructions come with the product and/ or available on [www.Panduit.com](http://www.Panduit.com).

## **X. WARRANTY**

- A. Crimp head warranty is 2 years.

## **XI. ACCESSORIES (PROVIDED WITH TOOL):**

- A. Bag with storage for crimp head.
- B. CD-940-DAPT Die Adapter Set
- C. Operating Instructions (see section IX).

## **XII. ACCESSORIES (SOLD SEPARATELY):**

- A. Crimp Dies.
- B. 10' Hydraulic hose and hydraulic pump.