

Blackfin CT-980CH Crimp Head Tool Specification

I. SCOPE: This specification defines the requirements for a hydraulic crimp head and related components for terminating compression connectors. The crimp head is a die-less head using four “indenter” to crimp applicable product. This tool is meant for intermittent and continuous use.

II. TOOL FUNCTION & FEATURES:

A. Mechanical Function:

1. Tool output to be 6.2 tons (55 kN).
2. Minimum diametrical diameter opening to be 1.46” (37.1 mm).
3. Approximate cycle time to be 9 seconds without product.
4. Crimp head to open for removal for contiguous wire terminations.

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. #4 AWG – 750 kcmil Copper lugs and splices copper code conductor
2. #4 AWG – 500 kcmil Aluminum lugs and splices 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: 12.4” (314 mm)
2. Width: 2.6” (66 mm)
3. Height: 5.2” (132 mm)

B. Weight: 6.2 lbs. (2.8 kg)

C. Color and Texture:

1. Natural.

D. Environmental Requirements:

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, test cylinders and gage.

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VIII. REGULATORY COMPLIANCE

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

IX. OPERATION INSTRUCTIONS

- A. Operating instructions come with the product and/ or available on www.Panduit.com.

X. WARRANTY

- A. Crimp head warranty is 2 years.

XI. ACCESSORIES (PROVIDED WITH TOOL):

- A. Bag with storage for test cylinders, gage, and crimp head.
- B. Operating Instructions (see section IX).

XII.ACCESSORIES (SOLD SEPARATELY):

- A. Test Cylinders and gage.
- B. 10' Hydraulic hose and hydraulic pump.