Hydraulic Compression Tools and Dies

Panduit® Manual Dieless Hydraulic Compression Tool

Features
- Crimps copper compression lugs and splices from 4 AWG up to 750 kcmil
- Dieless operation — no separate dies to buy or lose
- Develops 6.2 tons of crimping force with four point indenter system
- Two-stage rapid advance hydraulic system minimizes number of pumps required to complete a crimp
- Crimp head rotates 360 degrees for use in restricted spaces
- Aluminum crimp head and fiberglass handles reduce weight
- Flip-top crimp head design allows easy loading of connectors, saves time
- Audible “pop-off” valve indicates crimp completion

Manual Hydraulic Crimping Tool

Self-Contained Hydraulic Crimping Tool installs copper and aluminum connectors and lugs, and 2-way connectors. Features rapid-ram advance mechanism for fast installation, and short fiberglass handles for confined work spaces. Achieves 14 tons of compression force, and uses standard shell dies (sold separately below). Tool comes with carrying case.

Features
- Two stage pump for rapid advance
- Compatible with all 15500 Series die sets
- Installs lugs and connectors through 750 MCM
- Installs grid connectors through 500 MCM and 5/8” rod
- Uses standard T&B color color-keyed dies shown below
- Weighs 15.4 lbs (less case), 24.4” in length

Hydraulic Head Dies

Crimping Dies and Connectors are color coded for easy matching.
- Embosses die index number on connector barrels for post crimp inspection.
- Part number permanently marked on crimping die for easy identification.
- Provides circumferential crimp results in terminations with premium electrical and mechanical performance.

Installation Range

<table>
<thead>
<tr>
<th>Lugs and Splices</th>
<th>Copper</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 AWG to 750 MCM</td>
<td>10 AWG to 750 MCM</td>
<td></td>
</tr>
</tbody>
</table>

Cable Range

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Installation Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT-980</td>
<td>8 AWG to 750 MCM</td>
</tr>
<tr>
<td>EP510</td>
<td>8 AWG to 750 MCM</td>
</tr>
</tbody>
</table>

Polar Wire Products, Inc Shop our online store!
Panduit® 6.2 Ton Lithium-Ion Dieless Hydraulic Crimper

Uni-Die Dieless Hydraulic Crimping Tool develops 6.2 tons of force to crimp 4 AWG to 750 kcmil copper compression lugs and splices, and crimps 25% faster than most comparable tools. Includes two batteries, charger, shoulder strap, and tool bag.

Features
- Up to 135% more crimps per charge than tools with NiCd or NiMH batteries (up to 183 crimps with a Panduit 500 kcmil lug)
- Provides UL Listed and CSA Certified wire range-taking capability with Panduit copper lugs and splices
- ~3.5 second crimp cycle time
- Ergonomically balanced and lightweight, only 11.75 lbs. with battery
- Aluminum alloy flip-top crimp head rotates 360°
- Audible “pop-off” valve indicates crimp completion
- 120 VAC (230 VAC model also available)

Part Number CT-2980L

Uni-Die Dieless Hydraulic Crimping Tool develops 6.2 tons of force to crimp 4 AWG to 750 kcmil copper compression lugs and splices, and crimps 25% faster than most comparable tools. Includes two batteries, charger, shoulder strap, and tool bag.

Part Number CT-2980L

Panduit® 6.7 Ton Lithium-Ion Dieless Inline Hydraulic Crimper

The Panduit® BlackFin® Lithium-ion Dieless In-line Hydraulic Crimp Tool makes terminations quick and easy thanks to a low-profile 350-degree rotating flip-top crimp head, and a variable crimp force of 3.4 - 6.7 tons (30-60 kN).

Features
- Crimps 8 AWG – 600 kcmil Code and 8 AWG – 373 kcmil flex copper lugs and splices, and 6 AWG – 350 kcmil aluminum lugs and splices
- 2-stage hydraulic system features telescoping indenter, rapid advance and power stroke, 2-7 second crimp cycle, and automatic retraction on completion
- Manual retraction stop with “teach in” feature to set position of piston stop
- Integrated pressure measurements system monitors crimping pressure 32x/second for correct crimp force, and provides visual and audible signals if full crimp force is not attained
- Quick motor stop for high user safety
- Tool function readout via infrared sensor and optional CT-USB adapter
- LED worklight for workpiece illumination
- Ergonomic, low profile, in-line design with soft rubber inlay comfort grips, one button operation
- 300 crimps on a 300 kcmil (150mm²) copper code lug per battery charge
- Includes two 18 vdc Li-ion, 3 Amp-hr batteries with fast 22 minute recharge time, charger, and plastic carrying case

Part Number CT-3980

Part Number CT-3980
**Ilsco® Tri-Form Compression Crimper**

The Tri-Form Compression Crimper distributes equal force on all three sides of its unique dieless triangular crimp, eliminating pinching and fracturing and producing a homogenous mass of copper. Crimps battery terminals, connectors and heavy-duty lugs from 6 AWG through 4/0 AWG.

- Over 50 settings—two finger dial adjusts settings quickly and accurately
- Bench tool version has angle iron mounting brackets, good visibility of crimp location, and provides added leverage

**Ilsco® Correct Crimp Compound Crimper**

Correct Crimp exerts 5 tons of force for fast, complete crimps. Its built-in diamond shaped rotating dies quickly adjust to accommodate various terminals and lugs. Produces a solid mass of copper every time, assuring a low-resistance connection. Single screw adjustment provides for easy calibration to compensate for die wear. Crimps battery terminals, lugs and connectors. 6 AWG to 250 MCM range.

Handheld 94285 includes a controlled cycle ratchet mechanism—once a crimp is started, the tool will not release until the crimp cycle is complete. Quick override lever for safety.
The *Contour Crimp* controlled cycle ratchet crimping tool crimps 8 to 1 AWG copper lugs and splices, 6 to 4 AWG aluminum lugs and splices, and 8 to 2 AWG non-insulated S Series tubular terminals. The rotary die-wheel locks easily into position with a push-button mechanism. Each die is embossed with die-code color. Nest includes red, blue, gray, brown, and green.
**Molex® ServiceGrade™ Ratchet Hand Crimper**

**Ratchet Hand Crimper** crimps heat shrink terminals 22 to 10 AWG (rings, /s, hooks, 3 and 4 ways, and splices).
- Full cycling ensures complete crimps
- Small handle spread is ideal for all users
- Crimp release for operator safety

**Ilasco® Compound Action Crimper**

**Compound Action Controlled Crimper** is specifically designed for heat shrink style terminals. Elliptical nest for crimping insulated terminals.
- Wire range 22 to 10 AWG
- Weight: 12.4 oz. Length: 9 1/8”

**Pro’sKit® Crimp Frames and Die Sets**

Pro’sKit® Crimping Tools use interchangeable die sets to crimp a wide variety of connectors for electrical and industrial wire, twisted pair and flat phone cable, fiber optic cable, coaxial cable, etc. All metal parts are oil-hardened tempered steel. Precision dies and integral ratcheting mechanism ensure high crimp quality.
- Choose frames and die sets individually for maximum versatility and cost efficiency
- Dies are changed easily with thumbscrews
- Crimping pressure adjustment wheel
- Ratcheting action for perfect crimps
- Lever action, ergonomic, non-slip handles

### Interchangeable Die Sets

<table>
<thead>
<tr>
<th>Die</th>
<th>Profile</th>
<th>Part Number</th>
<th>Application</th>
<th>Crimp Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>300-039</td>
<td>Open Barrel Contacts</td>
<td>AWG 22-18/16-14/12-10</td>
<td>DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²</td>
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<tr>
<td>300-058</td>
<td>Red, Yellow, Blue Nylon and Vinyl Insulated Terminals</td>
<td>AWG 22-18/16-14/12-10</td>
<td>DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²</td>
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<tr>
<td>300-070</td>
<td>Insulated Flag Terminals</td>
<td>AWG 22-18/16-14</td>
<td>DIN 0.5-1.0/1.5-2.5mm²</td>
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<tr>
<td>300-071</td>
<td>Uninsulated Flag Terminals</td>
<td>AWG 22-18/16-14</td>
<td>DIN 0.5-1.0/1.5-2.5mm²</td>
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<tr>
<td>300-07D</td>
<td>Insulated and Non-Insulated Wire Ferrules</td>
<td>AWG 6/4/2</td>
<td>DIN 16/25/35mm²</td>
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<tr>
<td>300-095</td>
<td>Uninsulated Terminals</td>
<td>AWG 22-18/16-14</td>
<td>DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²</td>
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<tr>
<td>300-096</td>
<td>Insulated and Non-Insulated Wire Ferrules</td>
<td>AWG 22/20/18/16/14/12</td>
<td>DIN 0.5-1/0.75/1.0/1.5/2.5/4.0mm²</td>
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<tr>
<td>300-101</td>
<td>Red, Yellow, Blue Nylon/Vinyl Thinstyle Insulated Terminals</td>
<td>AWG 22-18/16-14</td>
<td>DIN 0.5-1.0/1.5-2.5/4.0-6.0/10.0mm²</td>
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<tr>
<td>300-103</td>
<td>Insulated and Non-Insulated Wire Ferrules</td>
<td>AWG 10/8/6</td>
<td>DIN 6/10/16mm²</td>
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<tr>
<td>300-104</td>
<td>Nylon and Vinyl Miniature Insulated Terminals</td>
<td>AWG 28-28</td>
<td>DIN 0.2-1.5mm²</td>
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<tr>
<td>9PK-300D27</td>
<td>Insulated Terminals</td>
<td>AWG 22-18/16-14</td>
<td>DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²</td>
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</tr>
<tr>
<td>9PK-300D42</td>
<td>Yellow and Blue Insulated Flag Terminals</td>
<td>AWG 16-14/12-10</td>
<td>DIN 1.5-2.5/4.0-6.0mm²</td>
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<tr>
<td>CP-552D</td>
<td>Multi-Contact (MC4) 04mm Solar Contacts</td>
<td>AWG 14</td>
<td>DIN 2.5/4.0-6.0mm²</td>
<td></td>
</tr>
</tbody>
</table>

**Tools**

**80**  
**Polar Wire Products, Inc**

**Shop our online store!**
The new EK50ML battery powered Micro Crimping Tool combines the benefits of manual crimping tools with the convenience of battery-powered hydraulic tools. This lightweight tool can deliver 3,400 pounds of crimping force and crimps 65 percent faster with 90 percent less hand force compared to ratcheting tools, making it the ideal crimper for high volume, time critical jobs.

The EK50ML is designed to crimp 28 – 4 AWG wire using PowerSense™ Technology, a patented trigger which allows you to hold your work in the jaws of the tool before crimping. Powered by a compact 10.8V Lithium-Ion battery, the EK50ML Micro Crimping Tool can perform 250 crimps to 10 AWG wire on a single battery charge.

Intelligent Crimping System Technology monitors amp draw for each crimp and provides a visual alert if a crimp does not complete a full cycle.

**Features**

- Includes 2 die sets to crimp 22-10 AWG heat shrink terminals and nylon insulated terminals; other die sets sold separately
- Patented jaw actuation for crimping cycle
- Crimps three times faster and with 90% less force
- Reduces hand force from 53 pounds to 6 pounds
- 1.2 seconds to perform crimp using one finger
- 65% faster crimping than ratcheting tools (1.2 seconds vs 3.5 seconds)
- Innovative PowerSense™ trigger holds work to be crimped
- When crimping is complete, simply release the trigger to open the jaws for the next crimp
- Overmolded tacky grip for maximum comfort and security
- Multifunction LED for maintenance display and data transfer via optional interface and USB adapter
- LED work light for use in dark areas
- LED battery level indicator monitors charge
- 10.8V Li-ion battery can perform up to 250 crimps to 10 AWG wire on one battery charge
- Weighs just 2.2 lbs with battery
- 12mm Jaw

**Includes micro crimper, 10.8V Li-ion battery, 110V battery charger, two die sets, and case**

[Contact us!](mailto:www.polarwire.com) Call us! (907) 561-5955
Eclipse® Economy Heavy Duty Cable Cutter

Fiberglass Handle Cable Cutter is lightweight and non-conductive. Handles copper cable up to 750 MCM and aluminum up to 1000 MCM.
- Overall length: 31.5", weight: 5.7 lbs
- Black oxide finished cutting blades are 0.3" thick, HRC hardness: 50°±2°
- Strong, extra-long 1" diameter fiberglass handles with rubberized cushion grips
- Not for use on steel or ACSR

Ilsco® Heavy Duty Cable Cutter

Heavy Duty Cable Cutter cuts up to 500 MCM copper or aluminum cable.
- Sharp, precision-ground Moly steel blades make clean, distortion-free cuts and stay sharper longer
- Durable 20 3/4" fiberglass handles

Ilsco® Manual Cutter

Manual Cutter cuts up to 2/0 AWG copper or aluminum cable—a great cutting range for a pouch tool.
- 7 1/2" overall length gives better leverage for easier cutting
- Sharp, precision-ground blades make clean, distortion-free cuts
- Blades are heat treated for long, dependable and durable operation
- Narrow head design for easier access to confined areas

Ilsco® Ratchet Cable Cutter

Lightweight Cable Cutter with ratchet mechanism and open/close lever cuts up to 750 MCM copper or aluminum cable. 16" length.
- Alloy steel precision-ground replaceable blades

Eclipse® Economy Heavy Duty Ratchet Cutter

Heavy Duty Cable Cutter cuts aluminum and soft copper cables up to 1 1/4" or 500 MCM.
- Ratcheted with safety release
- Comfortable handles

Part Number 902-587
Part Number CTR-500
Part Number 94012
Part Number CTR-750
Part Number 200-006
**Greenlee® Stripax® Pro 6 Cutter/Stripper**

The Stripax Pro 6 Cutter/Stripper consistently strips heavy-duty and industrial insulations including THHN and THHW, and standard insulations including PVC, rubber and silicon. Ergonomic, contoured handles let you hold the tool in a natural position for comfortable stripping with less effort. Provides nick-free stripping with no damage to conductors. 7 1/2” length.

- Strips 28-10 AWG or .8-6.0 mm, strips from 0mm up to 20mm in length
- Built-in cutter provides a smooth, straight cut without distorting the conductor
- Fine adjustment slider on top of tool lets you adjust to the insulation thickness
- Lifetime warranty on tool; one-year on blades

**Greenlee® GripP 10 Stripper**

The GripP Wire Stripper features an optimum 22° angle design to prevent awkward wrist bends. Cuts and strips stranded and solid 24-10 AWG electrical wire, hook-up wire, multi-conductor cable, flat cable, and other similar types of wire. One-year warranty.

- Contoured wire stripping areas precision ground for accuracy
- Gripping jaws at the tip, spring-loaded, locking cushion grip handles
- Screw cutter and wire loops embedded in frame
- Non-scoring strip, smooth wire cutting

**Eclipse® Precision Wire Stripper**

Eclipse® Precision Wire Stripper strips and cuts 10 AWG to 20 AWG wire. Precision-crafted and ruggedly constructed of durable materials.

- Plier nose, cutter jaw, PVC handles, spring return
- Processed by CNC lathe for accurate size of notches
- Safety lock design for convenient storage

**Rotary Cable Stripper/Slitters**

Rotary Cable Stripper/Slitters strip and slit round cable. Adjustable cutting depths. Swivel blade for circular, longitudinal and spiral cuts. Cable-holding clip can also separate slit insulation.

**Greenlee Paladin Rotary Cable Stripper/Slitters**

- Part Number 1820
  - Slits and strips round cable from .18” to 1.0” in diameter

- Part Number 1821
  - Slits and strips round cable from 1.0” to 1.4” in diameter

**Eclipse Rotary Cable Stripper/Slitters**

- Part Number 200-009
  - Slits and strips round cable from .18” up to 1.0” in diameter

- Part Number 200-048
  - Slits and strips round cable from 1.0” up to 1.4” in diameter
Iroda® Automatic Ignition Butane Torch

The heavy duty Pro-Torch™ Butane Torch provides a powerful and stable butane flame for demanding jobs where the highest BTU output is required. Precision orifice and controls. The ergonomic grip makes using the PT-500 comfortable at most any angle.

- State of the art waterproof Piezo Electronic Ignition system
- Large fuel tank provides up to 200 minutes use on each filling
- Powerful high-output wind-resistant flame
- Sturdy heavy duty ribbed aluminum body with comfort grip
- Easily refilled with any brand of butane gas
- Flame adjustment for the most demanding applications

Iroda® Cordless Refillable Butane Heat Gun

The Ultra-Therm Cordless Heat Gun is designed for industrial use where high volume flameless heat is required. Its wide nozzle and high-output long life catalyst provide infinitely adjustable heat levels in a completely portable tool. Safe to use underhood where vapors may be present. Included deflector attachments make even heavy-wall shrink tubing a breeze to install. Use almost anywhere you would use a corded heat gun but without the cord!

- Instant-On Piezo Ignition with long life catalyst
- Rapid heat-up for immediate use
- High output element for demanding applications
- No cords to limit use
- Comfortable ergonomic grip
- Up to 120 minutes use on each fill
- Deflector circulates heat and protects nearby work
- Adjustable heat output

Iroda® Turbo-lite Butane Lighter and Torch

The elegant, multipurpose Turbo-Lite Micro-Torch/Lighter is designed for high style and function. Turbo-Lites are as useful as fully adjustable precision 1300°C (2400°F) torches as they are as reliable windproof lighters. Perfect as gifts or compact additions to the tool or emergency kit.

- 1300°C/2400°F pinpoint flame
- Piezo lifetime waterproof ignition system
- Simple twist flame adjustment
- Protective flip-open cap
- Stylish see-through fuel tank
- Five attractive colors
- Refills from standard butane fuel available everywhere

Part Number
PTB-500
Length: 4.73"
Height: 6.9"
Weight: 10.6 oz.

Part Number
MT-500
Length: 2.25"
Weight: 1.69 oz.

Part Number
UT-500
Length: 7.5"
Weight: 4.8 oz.
Portable Butane Heat Tools

The **Shrink Jet** flameless heat tool reaches temperatures up to 1250°F. Ideal for indoor and outdoor applications where open flame is not recommended.

- **Part Number**: 94700
- **Length**: 6"
- **Weight**: 3.4 oz

The **Micro-Jet** refillable open-flame butane heat tool is ideal for installing heat shrink tubing and connectors, making solder terminations, and many other applications.

- **Part Number**: 94800
- **Length**: 5"
- **Weight**: 3.2 oz

**Heat Shrink Torch**

**Heat Shrink Torch** screws directly onto 14 oz. and 16 oz. propane bottles with 1” connector. Cast aluminum body with durable, long lasting, baked-on epoxy finish, heavy-duty stainless steel burn tube. Push “ON” ignite button for instant starts. Air intake vent combines gas and air to provide the optimum flame setting. Regulator pressure for constant propane gas flow in any position. 1" wide brass burn-tip.

**Pro’sKit® Heat Gun and Accessories**

**Dual-temperature Heat Gun** is ideal for heat shrink, melting adhesives, curing epoxy, stripping paint and more. 1000°F (538°C) and 600°F (315°C) heat settings.

The included nozzle accessories concentrate the heat where needed. Molded case.

**Pre-Measured Solder** pieces provide the correct amount of solder for each wire gauge. Color coded for easy cable size identification.

**Solder-It™ Low Temperature Solder Paste** is easy to use—no skill required, no flux required. Joins 22 different combinations of metal and is five times stronger than ordinary solder. Finished joint is bright silver, and won’t tarnish or blacken.

- **Part Number**: 17999

**Solder-It™ Solder Paste** can also be used with soldering iron, open flame, butane, propane, acetylene, or MAPP gas.