

**Electrical and Industrial Cable
Crimpers / Strippers / Testers / Kits**



Paladin Tools / Cal-Centron

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1600 Crimp Tools

The 1600 Series is Paladin Tools' premium crimper family designed for the professional that demands superior quality and reliability. It is the most widely used tool amongst broadcast installers and professional cable assembly companies.

Most of the 1600 Series crimpers for industrial and electrical applications have a fixed-die system. This ensures that the die sets are properly aligned and the tool is factory calibrated. These dies are made of an even higher grade steel and are double-plated to ensure the proper ruggedness.

Pull-force test information is AVAILABLE on our website

Features:

- Precision-calibrated crimp profiles
- Finest-quality tool steel
- Long-lasting tool that delivers over 75,000 crimp cycles
- Ultra-smooth, advanced ratcheting system with built-in safety release
- Rugged, double-plated jaw design for increased life span
- Lifetime warranty

Advantages:

- Smallest grip hand tool on the market with the longest life span available
- True ergonomic rubber handles that are soft and won't quickly wear out or break
- Lowest hand-force of the long-life crimp tools on the market without compromising superior crimp force
- No breakover hand force – the effort required by most crimpers to make the last click at the end of the cycle to complete the crimp the tool does the work

Technical	Weight
Crimp tool frame	19 oz. (538 g)
Die set	2 oz. (57 g)

Ordering	Part Number
Crimp tool frame	1600
Replacement handles	1600.9
Thumb screws (1 set)	2307



Rugged, double-plated jaw design for increased life span



Precision ratchet for precision crimping.



Part Numbers	Connector Type(s)	Cable Type(s)	Crimp Sizes Type	Connector Manufact./Remarks
Insulated Terminal Crimpers				
 Tool & Die: 1605* Die Only: NONE	Insulated terminals & lugs	Solid or stranded wire, 22-14 AWG (.34-2.5 mm ²)	16-14(Blue)/22-18(Red) (1.5-2.5/.34-.75 mm ²) Terminal-Elliptical 2-level	Standard commercial terminals
Tool & Die: 1625* Die Only: NONE	Insulated terminals & lugs	Solid or stranded wire, 22-14 AWG (.34-2.5 mm ²)	16-14(Blue)/22-18(Red) (1.5-2.5/.34-.75 mm ²) Terminal-Elliptical 1-level	AMP (Tyco) Ultra-fast/Faston terminals
Non-Insulated Terminal Crimpers				
 Tool & Die: 1618* Die Only: NONE	Non-insulated terminals & lugs	Solid or stranded wire, 20-10 AWG (.5-6.0 mm ²)	12-10/16-14/20-18 AWG (4-6/1.5-2.5/.5-.75 mm ²) Terminal, Indent	Standard commercial terminals
Open Barrel Contacts, Box Contacts, and Terminals Crimpers				
 Tool & Die: 1635 Die Only: NONE	Non-insulated terminals & lugs	Solid or stranded wire, 22-12 AWG (.34-4 mm ²)	22-18/16-14 F-Type (.34-.75/1.5-2.5 mm ²)	Standard commercial terminals
 Tool & Die: 1631* Die Only: NONE	Open barrel contact pins	Stranded wire, 24-14 AWG (.2-2.5 mm ²)	24-22/18-14 F-Type (.2-.34/.75-2.5 mm ²)	Molex/Waldom/Leoco type connectors
Tool & Die: 1645* Die Only: NONE	Open barrel contact pins	Stranded wire, 30-18 AWG (.05-.75 mm ²)	30-24/22-18 F-Type (.05-.2/.34-.75 mm ²)	Molex/Waldom/Leoco type connectors
 Tool & Die: 1646* Die Only: NONE	Open barrel D-sub contact pins	Stranded wire, 28-20 AWG (.08-.5 mm ²)	28-24/22-20 F-Type (.08-.2/.34-.5 mm ²)	For standard D-sub pins only
Tool & Die: 901353* Die Only: NONE	Open barrel HD-sub contact pins	Stranded wire, 28-24 AWG (.08-.2 mm ²)	28-24 F-Type (.08-.2 mm ²)	For high-density D-sub pins only
Wire Ferrule Crimpers				
 Tool & Die: 1647 Die Only: 2681	Insulated & Non-insulated Ferrules	Stranded wire, 20-10 AWG (.5-6 mm ²)	20-10 Trapezoid (.5-6.0 mm ²)	For DIN or US type wire ferrules
 Tool & Die: 1648* Die Only: NONE	Insulated & Non-insulated Ferrules	Stranded wire, 20-12 AWG (.5-4 mm ²)	20-12 Trapezoid (.5-4.0 mm ²)	For DIN or US type wire ferrules
Tool & Die: 901435* Die Only: NONE	Insulated & Non-insulated Ferrules	Stranded wire, 24-10 AWG (.2-6 mm ²)	24-10 Trapezoid (.2-6.0 mm ²)	Rotatable crimp die
Tool & Die: 1649* Die Only: NONE	Insulated & Non-insulated Ferrules	Stranded wire, 10-6 AWG (6-16 mm ²)	10/8/6 Trapezoid (6/10/16 mm ²)	For DIN or US type wire ferrules
Tool & Die: 56730* Die Only: NONE	Insulated & Non-insulated Ferrules	Stranded wire, 20-10 AWG (.5-6 mm ²)	20-10 Trapezoid (.5-6.0 mm ²)	Front loading crimp die

*The die sets for these tools are not removable or interchangeable. See page 7.



CrimpALL® Series Crimpers

The 8000 Series CrimpALL® was designed with user satisfaction in mind. This world-class crimp tool is designed for superior comfort and ease of use. It is an exceptional value and uses the same die sets as our 1300 Series crimpers.

Features:

- Ultra-smooth, fully ratcheting crimp cycle with built-in safety release
- Interchangeable die sets of heat-treated steel for long life
- Soft, rubber-embedded handles
- Long-lasting tool that delivers over 50,000 crimp cycles
- Rugged, double-plated jaw design to increase life span
- 10-year warranty

Advantages:

- Angled head to prevent awkward wrist bending during operation
- Reduced handle grip distance makes it easy for both small and large hands
- Higher crimp force produced with less hand force so hand doesn't tire as quickly
- No breakover hand force – the effort required by most crimpers to make the last click at the end of the cycle to complete the crimp – the CrimpALL does the work!
- Manufactured using the newest fine blanking technologies
- EZI-Change™ die screws make changing dies quick and easy – no screwdriver required



Ultra-smooth ratchet design makes this tool a dream to use.



Comfortable to use for any size hand.



The first crimp tool with a double-plated jaw design for longer life span

Technical	Weight	Length
CrimpALL® tool frame	21 oz. (600 g)	9.84" (250 mm)
Die set	2 oz. (57 g)	

Ordering	Part number
CrimpALL® tool frame	8000
Replacement EZI-Change™ die screws (2)	2303
Replacement fixed die screws (2)	2306
Replacement handles	8000.9



Part Numbers

Description

Insulated Terminal Crimpers

		Tool & Die: 8021 Die Only: 2035	Insulated Terminals and Lugs, Solid or Stranded Wire, 22-10 AWG (.34-6 mm ²), 12-10(Yellow)/16-14(Blue)/22-18(Red) (6-4/2.5-1.5/.34-.75 mm ²), For Large Professional Terminals (Panduit, T & B, etc.)
		Tool & Die: 8022 Die Only: 2040	Insulated Terminals and Lugs, Solid or Stranded Wire, 22-12 AWG (.34-4.0 mm ²), 12(Yellow)/16-14(Blue)/22-18(Red) (4/1.5-2.5/.34-.75 mm ²), For Standard Commercial Terminals (Hardware Store Brands)
		Tool & Die: 8023 Die Only: 2029	Insulated Terminals and Lugs, Solid or Stranded Wire, 26-14 AWG (.10-2.5 mm ²), 16-14(Blue)/22-18(Red)/22-26(Yellow) (1.5-2.5/.34-.75/.34-.10 mm ²), For Smaller Wire Barrel Terminals

Non-Insulated Terminal Crimpers

		Tool & Die: 8024 Die Only: 2031	Non-Insulated Terminals and Lugs, Solid or Stranded Wire, 22-8 AWG (.34-10 mm ²), 10-8/14-12/18-16/22-20 (6-10/2.5-4/.75-1.5/.34-.50 mm ²) For Standard Commercial Terminals
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Open Barrel Contacts, Box Contacts, and Terminals Crimpers



		Tool & Die: 8026 Die Only: 2033	Open Barrel Non-Insulated Terminals and Lugs - narrow, Stranded Wire, 22-14 AWG (.34-2.5 mm ²), F-Type**, 22-18/16-14/12-10, (.34-.75/1.5-2.5/4-6 mm ²), For Standard Commercial Terminals
		Tool & Die: 8027 Die Only: 2096	Open Barrel Non-Insulated Terminals and Lugs - wide, Stranded Wire, 22-14 AWG (.34-2.5 mm ²), F-Type**, 16-14/22-18 (1.5-2.5/.34-.75 mm ²) For Standard Commercial Terminals
		Tool & Die: 8028 Die Only: 2092*	Open Barrel Box and Round Contact Pins, Stranded Wire, 30-18 AWG (.05-.75 mm ²), F-Type**, 30-24/22-18 (.05-.2/.34-.75 mm ²) Molex/Waldom/Leoco Type Connectors
		Tool & Die: 8029 Die Only: 2097	Open Barrel D-Sub Contact Pins, Stranded Wire, 28-20 AWG (.08-.5 mm ²), F-Type**, 28-24/22-20 (.08-.2/.34-.5 mm ²) For Standard D-sub Pins Only

NOTE: For the crimpers and die sets above, the pin AWG size must be inside the range of the crimp area AWG size to work. For example, if the area is for 28-24 AWG, the pin must have an AWG size rating between 28-24, no smaller and no larger. In this example, a 28-22 AWG rated pin will not work; it is too large in size.

*Not for use on hardened steel, brass or phosphor bronze contacts

**This is also known as "B-Type."

Wire Ferrule Crimpers

		Tool & Die: 8025 Die Only: 2095	Insulated & Non-Insulated Wire Ferrules, Stranded Wire, 22-10 AWG (.34-6.0 mm ²), 22-20/18-16/14-12/10 (.34-.50/.75-1.5/2.5-4/6 mm ²) For DIN or US Type Wire Ferrules
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Fully ratcheting action and built-in safety release.

1300 Series Crimpers

Paladin's 1300 Series is the original interchangeable-die crimping system – all the rest are mere copies of our innovation. It continues to be the answer for precision-crimping at an affordable price with over 45 die sets available for the most popular connectors. See crimp chart for specific connector and crimp dimensions.

Features:

- Fully-ratcheting cycle with built-in safety release
- Interchangeable die sets of heat-treated steel for long life
- Easy to use and maintain
- Available as complete tool with die set inserted or separate tool frame and individual die sets
- Foam-lined case available to hold frame and 6 die sets together
- Five-year warranty

Advantages:

- EZI-Change™ die screws make changing dies quick and easy – no screwdriver required
- Most precise and tightest tolerances on die sets in the industry
- Six ratchet gear settings for optimum crimp performance (see page for 115 for additional details)

Technical	Weight	Length
Crimp tool frame	10.4 oz (296 g)	8.9" (225 mm)
Die set	2 oz (57 g)	

Ordering	Part Number
Crimp tool frame	1302
Replacement EZI-Change™ die screws (2)	2303
Replacement fixed die screws (2)	2306
Replacement handles	1300.9
1300 crimp case	901013





Part Numbers

Description

Insulated Terminal Crimpers

		Tool & Die: 1305 Die Only: 2035	Insulated Terminals and Lugs, Solid or Stranded Wire, 22-10 AWG (.34-6 mm ²), 12-10(Yellow)/16-14(Blue)/22-18(Red) (6-4/2.5-1.5/.34-.75 mm ²), For Large Professional Terminals (Panduit, T & B, etc.)
		Tool & Die: 1308 Die Only: 2040	Insulated Terminals and Lugs, Solid or Stranded Wire, 22-12 AWG (.34-4.0 mm ²), 12(Yellow)/16-14(Blue)/22-18(Red) (4/1.5-2.5/.34-.75 mm ²), For Standard Commercial Terminals (Hardware Store Brands)
		Tool & Die: 1334 Die Only: 2029	Insulated Terminals and Lugs, Solid or Stranded Wire, 26-14 AWG (.10-2.5 mm ²), 16-14(Blue)/22-18(Red)/22-26(Yellow) (1.5-2.5/.34-.75/.34-.10 mm ²), For Smaller Wire Barrel Terminals

Non-Insulated Terminal Crimpers

		Tool & Die: 1322 Die Only: 2031	Non-Insulated Terminals and Lugs, Solid or Stranded Wire, 22-8 AWG (.34-10 mm ²), 10-8/14-12/18-16/22-20 (6-10/2.5-4/.75-1.5/.34-.50 mm ²) For Standard Commercial Terminals
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Open Barrel Contacts, Box Contacts, and Terminals Crimpers



		Tool & Die: 1306 Die Only: 2033	Open Barrel Non-Insulated Terminals and Lugs - narrow, Stranded Wire, 22-14 AWG (.34-2.5 mm ²), F-Type**, 22-18/16-14/12-10, (.34-.75/1.5-2.5/4-6 mm ²), For Standard Commercial Terminals
		Tool & Die: 1358 Die Only: 2096	Open Barrel Non-Insulated Terminals and Lugs - wide, Stranded Wire, 22-14 AWG (.34-2.5 mm ²), F-Type**, 16-14/22-18 (1.5-2.5/.34-.75 mm ²) For Standard Commercial Terminals
		Tool & Die: 1357 Die Only: 2092*	Open Barrel Box and Round Contact Pins, Stranded Wire, 30-18 AWG (.05-.75 mm ²), F-Type**, 30-24/22-18 (.05-.2/.34-.75 mm ²) Molex/Waldom/Leoco Type Connectors
		Tool & Die: 1359 Die Only: 2097	Open Barrel D-Sub Contact Pins, Stranded Wire, 28-20 AWG (.08-.5 mm ²), F-Type**, 28-24/22-20 (.08-.2/.34-.5 mm ²) For Standard D-sub Pins Only

NOTE: For the crimpers and die sets above, the pin AWG size must be inside the range of the crimp area AWG size to work. For example, if the area is for 28-24 AWG, the pin must have an AWG size rating between 28-24, no smaller and no larger. In this example, a 28-22 AWG rated pin will not work; it is too large in size.

*Not for use on hardened steel, brass or phosphor bronze contacts

**This is also known as "B-Type."

Wire Ferrule Crimpers

		Tool & Die: 1360 Die Only: 2095	Insulated & Non-Insulated Wire Ferrules, Stranded Wire, 22-10 AWG (.34-6.0 mm ²), 22-20/18-16/14-12/10 (.34-.50/.75-1.5/2.5-4/6 mm ²) For DIN or US Type Wire Ferrules
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D-sub Indent Crimp Tools

Crimping tool for 4- or 8-indent crimping of closed-barrel D-sub contacts.

- Comfortable handles for low-effort operation
- 4-Indent crimper for AWG 26-20 (0.14-0.50 mm²) D-sub contacts (P/N 1440)
- 4-Indent crimper for AWG 20-12 (0.50-4.0 mm²) D-sub contacts (P/N 1441)
- 8-Indent crimper for AWG 26-20 (0.14-0.50 mm²) D-sub contacts (P/N 1442)
- 8-Indent crimper for AWG 20-12 (0.50-4.0 mm²) D-sub contacts (P/N 1443)
- Adjustable pin height locator (P/Ns 1440 and 1442 only)
- One-year warranty

Technical

Weight 11 oz. (312 g)

Ordering

Part Number

4-Indent D-sub crimper (26-20 AWG)	1440
8-Indent D-sub crimper (26-20 AWG)	1442
4-Indent D-sub crimper (20-12 AWG)	1441
8-Indent D-sub crimper (20-12 AWG)	1443

Not for use on hardened steel, brass or phosphor bronze contacts



CTI 6 Terminal Crimper

Professional crimping tool for insulated terminal lugs with a wire range of AWG 20-10 (0.1-6.0 mm²).

- Fixed steel die system
- Built-in locator
- Crimps insulated terminal lugs, cable lugs and parallel and serial splices
- Durable steel construction for long life
- Long ergonomic handles for low-effort operation
- Color-coded crimp areas for size identification
- Lifetime warranty

Technical

Weight 25 oz. (710 g)

Crimp profile

Red:	AWG 20-16 (0.5-1.5 mm ²)
Blue:	AWG 16-14 (1.5-2.5 mm ²)
Yellow:	AWG 12-10 (4.0-6.0 mm ²)

Ordering

Part Number

CTI 6	900612
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HTN 21L Terminal Crimper

Professional-quality crimping tool for non-insulated terminal lugs with a wire range of AWG 20-10 (0.5-6.0 mm²).

- Fixed steel die system
- Crimps non-insulated terminal lugs, cable lugs, and parallel and serial splices
- Built-in terminal locator
- Durable steel construction for long life
- Ergonomically designed handles for low-effort operation
- Lifetime warranty

Technical

Weight 14 oz. (400 g)

Crimp profile

Small:	AWG 20-18 (0.5-0.75 mm ²)
Medium:	AWG 16-14 (1.5-2.5 mm ²)
Large:	AWG 12-10 (4.0-6.0 mm ²)
Weight	14 oz. (400 g)

Ordering

Part Number

HTN 21L	901461
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CTN 25 D4 & CTN 25 D5 Terminal Crimpers

Professional-quality crimping tools for non-insulated terminal lugs with a wire range of 8-4 AWG (10-25 mm²). Fixed steel die system. Both models have durable steel construction for long life. Lifetime warranty.

CTN 25 D4:

- Crimps rolled and brazed lugs
- Crimps pin-type lugs
- Crimps parallel and serial splices
- Conforms to DIN 46234
- Lifetime warranty

CTN 25 D5:

- Crimps tube lugs and splices
- Conforms to DIN 46235
- Lifetime warranty

Technical

Weight	24 oz. (685 g)
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Ordering

	Part Number
CTN 25 D4	900622
CTN 25 D5	900623



Wire Ferrule Crimper

Professional-quality crimping tool for insulated and non-insulated wire ferrules with a range of 20-10 AWG (0.5-6.0 mm²).

- Fixed steel die system
- Ferrules conform to DIN 46228 Pt. 1 and 4
- Ferrule insertion from the side of the tool
- Single tool for entire wire range (no additional dies are required)
- Durable steel construction for long life
- Ergonomic handles for low-effort operation
- Lifetime warranty

Technical

Crimper Weight	15.2 oz. (430 g)
Die Weight	2.0 oz. (57 g)

Ordering

	Part Number
Wire Ferrule Crimper	1647
Replacement die set	2681



PZ 6 ROTO
Wire Ferrule Crimper

Professional-quality rotary crimping tool for insulated and non-insulated wire ferrules with a wire range of 24-10 AWG (0.25-6.0 mm²).

- Rotating die for front or side ferrule insertion
- Crimps conform to EN 60947-1 & DIN 46228 Pt. 1 and 4
- Hardened steel die system for long life
- Single tool for entire wire range (no additional dies are required)
- Durable steel construction for long life
- Ergonomic handles for low-effort operation
- Lifetime warranty

Technical	
Weight	13 oz. (368 g)
Ordering	Part Number
PZ 6 ROTO	901435

PZ 50
Wire Ferrule Crimper

Professional-quality crimping tool for insulated and non-insulated wire ferrules with a wire range of 4-1/0 AWG (25-50 mm²).

- Fixed steel die system
- Ferrules conform to DIN 46228 Pt. 1 and 4
- Ferrule insertion from the side of the tool
- Single tool for entire wire range (no additional dies are required)
- Ergonomic handles for low-effort operation
- Two crimp profiles
- Lifetime warranty

Technical	
Weight	24.7 oz. (700 g)
Ordering	Part Number
PZ 50	900645

stripax® plus 2.5
Wire Ferrule Multi-Tool

Cuts and strips wire and crimps wire ferrules. Professional-quality multi-functional tool for use with Weidmüller ferrules in strip form for a wire range of 20-14 AWG (0.5-2.5 mm²).

- One tool performs three functions: cut, strip and crimp
- Automatic ferrule feed into crimping station
- Strip-form ferrules for easy loading
- Front-feed for wire stripping
- Side-feed for wire cutting and ferrule crimping
- Ferrules conform to DIN 46228 part 4
- Lifetime warranty

Technical	
Weight	7.4 oz. (210 g)
Length	10.24" (260 mm)

Ordering	Part Number
stripax® plus 2.5	902000
Replacement cutting blade*	2110

*Tool must be returned to factory for stripping blade replacement service



Cable Fault Identifier TDR Tester

New Advantages:

- Tests cable up to 3,200' (975 m) in length
- Accuracy rate of +/- 1.5%, most accurate True TDR technology
- Super fast test results in only one second!

Function: True TDR Technology

- Check length of cable
- Check amount of cable remaining on spool
- Check distance to short
- Check distance to open
- Detects live voltage

Features:

- Built-in tone generator with warble tone
- Pre-programmed NVP values for common cable types
- Easy to read large display
- Small and lightweight
- Simple push button operation
- Requires only one 9V battery - included!

Technical

Weight	8 oz (228 g)
Dimensions (inches)	6" H x 3.5" W x 1" D
Dimensions (mm)	152 mm x 89 mm x 25.4 mm

Ordering/Discription

Ordering/Discription	Part Number
Cable Fault Identifier TDR Tester with BNC-to-alligator clips and 9V battery	1549.1



Terminal Crimper Kit

Economical terminal crimper kit for electrical and control panel installation and wiring. Kit includes:

- 1300 series insulated terminal crimper (P/N 1305)
- Assorted 22-12 AWG (.34-4.0 mm²) insulated terminals
- Crimp tool features interchangeable die system
- One-year warranty on kit; individual warranties apply to each tool

Technical

Weight	3 lbs. (1.4 Kg)
Dimensions (inches)	12.5" L x 6.25" W x 1.75" D
Dimensions (mm)	317.5 mm L x 159 mm W x 44.5 mm D

Ordering

Ordering	Part Number
Terminal crimper kit	4305