

Application Tooling

Color-Keyed®
Compression Connectors and Tools

Sta-Kon®
Terminal Products and Tools

Dragon Tooth®
Insulation Piercing Connectors

Shield-Kon®
Grounding Connectors

Ty-Rap®
Cable Fastening Systems

Ty-Duct®
Wiring Duct and Accessories

Shrink-Kon®
Wire and Connector
Insulation Products

Effective February 2007

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www.tnb.com



Count on Thomas & Betts for the Right Tools for the Job!

Since the 1930s, Thomas & Betts has been supplying tools, dies and connectors. Today, with more than 75 years experience in tools, dies and connectors, Thomas & Betts still sets the standard for innovation, quality and performance for application tooling. Rely on Thomas & Betts tools for labor-saving features, user comfort and convenience, long service life and extraordinary value.



Application Tooling Support — *At Your Service*

For more than 40 years, Thomas & Betts' highly trained, experienced and dedicated Tool Services staff has been supporting customers in every aspect of their tooling needs. With 100-plus years of combined experience, T&B application tool specialists are ready to assist you with:

- Tool recommendations based on your application and workload
- Demonstrations
- Rental and leasing programs
- On-site installation
- On-site training
- Technical support
- Calibration and certification (factory or on-site)
- Repair (both warranty and non-warranty)
- Loaners for temporary use during repairs
- Supplying components and technical documentation for customer-performed repairs

Thomas & Betts Tool Warranty

You can choose Thomas & Betts tools with confidence, because we stand behind them with our warranty. The chart below shows the standard length of warranty for different types of tools. See the inside back cover for additional warranty details.

1 Year	2 Years	5 Years
<ul style="list-style-type: none">• Cable Tie Installation Tools• Printers• Cable Cutters & Strippers• Dies	<ul style="list-style-type: none">• Mechanical Hand Tools with Shure-Stake® Mechanism• Pneumatic Tools• Hydraulic Pumps• Battery-Operated Tools	<ul style="list-style-type: none">• Mechanical Hand Tools without Shure-Stake® Mechanism• Hydraulic Tools (self-contained and remote heads)

Call Toll-Free 1-800-284-TOOL (8665)

For more information about Thomas & Betts Tool Services:

E-Mail us at toolservice@tnb.com.

Tool Repair

Thomas & Betts Tool Services repairs all Thomas & Betts tools, from simple hand tools to hydraulic pumps and crimping heads. Tool Services performs all warranty repairs and can supply you with a temporary loaner tool when necessary. Tool Services can also perform non-warranty repairs, or, if you wish to repair your own tools, contact Tool Services to obtain any needed components, technical documentation and support.

Tool Rental Program

For short-term installation projects, sometimes it makes more sense to rent than buy power tools. Thomas & Betts Tool Services understands this and has created a Tool Rental Program, geared specifically for contractors and projects, to meet the need. Renting T&B tools is easy. A rental agreement is available on our web site, and you can pay the rental fee by credit card. Call Tool Services at 1-800-284-TOOL (8665) for more details, including a list of Thomas & Betts tools available for rental.

Tool Leasing Program

For longer term use, many OEMs find that leasing high-end tools may be more financially attractive than purchasing. Call Tool Services at 1-800-284-TOOL (8665) for more information and a list of Thomas & Betts tools available for lease.



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Mechanical Compression Tools: #8 to 250 MCM

Color-Keyed

TBM25S Crimp Tool

- Wide range of #8 to #2 for copper lugs and #10 to #6 for aluminum lugs
- Each die has die code embossing
- Shure-Stake® mechanism ensures a properly completed crimp each time
- Color-coded die wheel rotates into position for proper die nest
- Also installs up to green color-coded C-taps and MD2 Series motor disconnects
- Requires two crimps per connector



Creates Diamond-style crimp

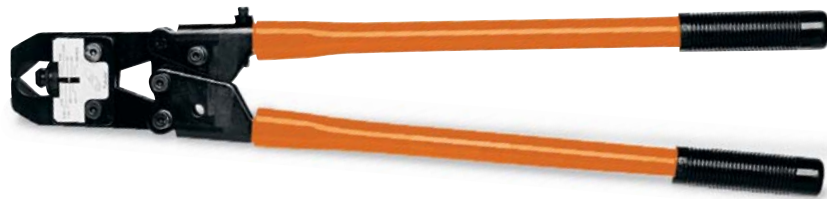


CAT. NO.	DESCRIPTION	PKG. QTY.
TBM25S	Crimp tool with Shure-Stake® mechanism for #8-#2 copper and #10-#6 aluminum	1

TBM4S Dieless Crimp Tool



Creates Indent-style crimp



- Wide range of #8 to 250 kcmil for copper lugs and #8 to 4/0 for aluminum lugs
- Adjustable indenter eliminates the need to buy and maintain numerous individual dies
- Shure-Stake® mechanism ensures a properly completed crimp each time
- Easily adjusted by turning knurled adjusting wheel and aligning pointer with proper terminal size
- Dieless, adjustable crimper for Color-Keyed® compression connectors

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM4S	Dieless crimp tool with Shure-Stake® mechanism for #8-250 kcmil copper and #8-4/0 aluminum	1

TBM5S Crimp Tool



Creates Diamond-style crimp



- Wide range of #8 to 250 kcmil for copper and #10 to 4/0 for aluminum lugs and splices
- Also installs C-taps from 54705 to 54750
- Shure-Stake® mechanism ensures a properly completed crimp each time
- Includes color-coded, die-code-embossed installation dies

CAT. NO.	COLOR CODE	DIE CAT. NO.	PKG. QTY.
TBM5S	RED	13454	1
	BLUE		
	GRAY		
	BROWN	13455	
	GREEN		
	PINK		
	BLACK	13456	
	ORANGE		
	PURPLE		
	YELLOW	13457	
	GOLD		
	TAN		
	OLIVE	13458	
RUBY			
WHITE			

Mechanical Compression Tools: #8 to 500 MCM



TBM6S Crimp Tool



Creates Diamond-style crimp



- Wide ranges of #8 thru 500 kcmil for copper lugs, splices and taps and #10 thru 350 kcmil for aluminum lugs and splices
- Also installs 63105 through 63140 orange, green and blue H-taps
- Shure-Stake® mechanism ensures a properly completed crimp each time
- Comes complete with plastic carrying case and wire brush

CAT. NO.	COLOR CODE	CAT. NO. UPPER DIE	CAT. NO. LOWER DIE	PKG. QTY.
TBM6S	RED	13475	13477	1
	BLUE	13475	13477	
	GRAY	13472	13476	
	BROWN	13474	13477	
	GREEN	13474	13477	
	PINK	13475	13477	
	BLACK	13474	13477	
	ORANGE	13474	13477	
	PURPLE	13475	13477	
	YELLOW	13473	13476	
	GOLD	13474	13477	
	TAN	13474	13477	
	OLIVE	13475	13477	
	RUBY	13473	13476	
	WHITE	13473	13476	
	RED	13472	13476	
BLUE	13472	13476		

Carrying Cases for TBM5S and TBM6S

CAT. NO.	DESCRIPTION	PKG. QTY.
295-31365M	Steel Carrying Case for TBM5S and TBM6S	1
295-31365	Plastic Carrying Case for TBM5S and TBM6S	1

TBM8S Crimp Tool



Creates Diamond-style crimp



- Installs code copper lugs and connectors #8 through 500 kcmil
- Installs aluminum lugs and connectors #10 through 350 kcmil
- Shure-Stake® mechanism ensures positive compression
- Included dies are color-coded and provide die-code embossing for easy installation and inspection
- Installs all code copper compression joints and small C-taps
- Comes complete with installing dies and wire brush in plastic carrying case

CAT. NO.	COLOR CODE	DIE CAT. NO.	PKG. QTY.
TBM8S	RED	13461	1
	BLUE		
	GRAY		
	BROWN	13462	
	GREEN		
	PINK		
	BLACK	13463	
	ORANGE		
	PURPLE		
	YELLOW	13464	
	GOLD		
	TAN		
	OLIVE	13465	
	RUBY		
	WHITE		
	RED	13466	
BLUE	13467		
BROWN	13468		

Color-Keyed

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Power-Assisted Compression Tools: #8 to 500 MCM

25000 Air-Operated Bench-Mount Crimp Tool

Color-Keyed



Creates Diamond-style crimp

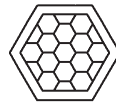


- Installs copper and aluminum connectors on wire sizes from 8 AWG to 500 kcmil
- Compact, heavy-duty air tool
- Simple to operate — just insert stripped wire into connector barrel, position it in crimping nest and depress foot pedal to actuate crimping dies
- Uses same crimping dies as TBM6S (see p. 3)

CAT. NO.	DESCRIPTION	PKG. QTY.
25000	Air-Operated Bench-Mount Crimp Tool	1

Battpac® LT BPLT62BSCR/ BPLT62500BSCR 6-Ton Compression Tools

- Ergonomic design and reduced weight for operator comfort
- New double-speed feature decreases crimp time by doubling jaw speed until it reaches load
- New, more powerful Ni-MH battery has 50% more energy and less memory effect than old batteries
- Rotating head allows maximum flexibility for crimping
- Uses TBM62 Series dies



Creates Hex-style crimp

NEW!



Specifications

- Installing Range:
 - Up to 500 mcm copper lugs & splices
 - Up to 350 mcm aluminum lugs & splices
 - 54705 to 54750 C-taps
- Output Force: 6 tons
- Dimensions (L x W x H): 11" x 3 3/4" x 11 1/2"
- Battery: Ni-MH 14.4V 3.0Ah
- Weight with Battery: 8 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT62BSCR	Battpac® LT Tool Kit. Includes tool, two batteries, charger, shoulder strap, wrist strap, carrying case (no dies).	1
BPLT62500BSCR	Complete Battpac® LT Tool Kit with dies TBM6221 through TBM6287.	1

Power-Assisted Compression Tools: #8 to 600 MCM



Battpac® LT BPLT6BSCR 6-Ton Compression Tool

NEW!



Creates Hex-style crimp

- Open yoke design allows for maximum crimping flexibility
- New double-speed feature decreases crimp time by doubling jaw speed until it reaches load
- New, more powerful Ni-MH battery has 50% more energy and less memory effect than old batteries
- Uses 6-TON Series dies and Blackburn "O" and "D" Series dies

Specifications

- Installing Range:
 - Up to 600 mcm copper lugs & splices
 - Up to 400 mcm aluminum lugs & splices
- Output Force: 6 tons
- Dimensions (L x W x H): 11" x 3 3/4" x 1 1/4"
- Battery: Ni-MH 14.4V 3.0Ah
- Weight with Battery: 8 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT6BSCR	Battpac® LT Tool Kit. Includes tool, two batteries, charger, shoulder strap, carrying case (no dies)	1

TBM6H 6-Ton Hydraulic Crimping Head

- Lightweight design — weighs less than 7 lbs., including dies
- Embosses die code on connection for easy inspection
- Uses 6-TON Series and Blackburn "O" and "D" Series dies color-coded for easy matching with Color-Keyed® connectors



Creates Hex-style crimp

Specifications

- Installing Range:
 - Up to 600 mcm copper lugs & splices
 - Up to 400 mcm aluminum lugs & splices
 - CHT814-10 to CHT214-9 copper H-taps
 - 63105 to 63148 aluminum H-taps
 - 54705 to 54750 C-taps
- Output Force: 6 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 12" x 2 1/4" x 3 3/8"
- Weight without Dies: 6.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM6H	6-Ton Hydraulic Head with Steel Case	1
TBM6HD-1	Die Set for #8 thru 500 kcmil (6-TON21 thru 6-TON87)	1

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**Power-Assisted Compression Tools: #8 to 750 MCM,
#8 to 900 MCM**

JB12B 12-Ton Manual Hydraulic Crimp Tool

- Self-contained hydraulic crimping tool for copper, aluminum and ASCR connectors
- Two-stage, rapid-ram advance mechanism for fast installation
- 180° head rotation
- Accepts all U-type dies used for Alcoa®, Burndy®, Thomas & Betts® and Blackburn® tools of equivalent tonnage

Specifications

- Installing Range:
 - Up to 750 mcm copper lugs & splices
 - Up to 650 mcm aluminum lugs & splices
 - CHT814-10 to CHT2502-6 copper H-taps
- Output Force: 12 tons
- Dimensions (L x W x H): 22 3/4" x 2 1/2" x 4 1/8"
- Weight without Dies: 13 lbs.
- 63105 to 63148 aluminum H-taps
- 54755 to 54770 C-taps



CAT. NO.	DESCRIPTION	PKG. QTY.
JB12B	12-Ton Manual Hydraulic Crimp Tool with Carrying Case	1

TBM12 12-Ton Hydraulic Crimp Head



- Rugged steel construction is durable for most applications
- Includes five sets of multi-nested dies
- Dies emboss die code on connectors for easy inspection
- Closed yoke design yields maximum crimp performance
- Uses TBM12D style dies



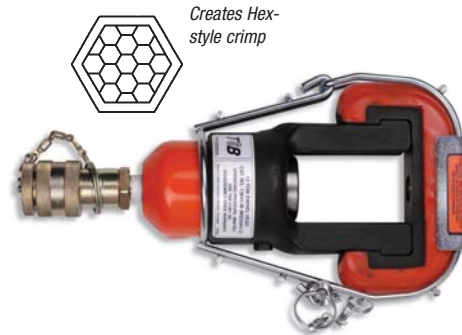
Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
 - 54755 to 54775 C-taps
- Output Force: 12 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 14 1/4" x 2 1/2" x 3 1/8"
- Weight without Dies: 9 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM12	12-ton Hydraulic Head with Steel Case	1

If using old style 11700 Series Die Set, use adapter, Cat. No. TBM12D-AR (not included) for adaptation to the above tool. Order adapter separately.

13642M 12-Ton Hydraulic Crimping Head



- Rugged steel construction is durable for most applications
- Used for Color-Keyed® and Sta-Kon® connectors
- The only military-listed hydraulic head (Mil. Spec. MS25441-1)
- Uses 11700 Series dies for Color-Keyed® connectors; see Sta-Kon® section for Sta-Kon® dies

Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
 - 54755 to 54775 C-taps
- Output Force: 12 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 14 1/2" x 2 1/2" x 3 1/8"
- Weight without Dies: 9 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13642M	12-ton Hydraulic Head with Steel Case	1

Color-Keyed®

Power-Assisted Compression Tools: #8 to 900 MCM



SMART® Tools

- Tool is “smart” because it requires no dies
- Automatically compresses to the correct depth based on size of connector in jaws
- C-type head swivels 90° for easy crimp positioning
- Forged steel construction is well suited for both field and bench work
- Installs both Color-Keyed® and non-insulated Sta-Kon® connectors

How the SMART® Tool Works

The SMART® Tool was engineered with built-in intelligence* that enables it to sense the connector barrel diameter and automatically apply just the right amount of compression force. This eliminates virtually all air spaces and forms the connector and conductor strands into a solid mass, resulting in a high-quality, low-resistance connection. In addition, the tool clearly embosses “T&B” with each compression for positive verification that the correct tool was used.

* System Novapress

Uniform, Dependable Connections

The SMART® Tool gives you consistent, high-quality compression connections over a wide range of connector sizes. Available in manual, battery-powered and air-operated versions, this tool easily installs lugs and splices from #8 AWG through 900 mcm copper or 750 mcm aluminum — without changing dies. For the specified wire range, all you need is one tool. You always have the right die size, eliminating die-selection mistakes.

Lower Installation Costs

Productivity will be greatly improved with the SMART® Tool, especially when installing a variety of connector sizes or types. Initial investment is low, requiring minimal tool inventory. These benefits add up to lower installed cost.

C-Type Yoke Offers Installation Convenience

The C-type yoke configuration and large die spacing enable the SMART® Tool to slip directly over the connector. This means added speed and convenience when installing two-way splice connectors, especially in confined spaces.

SMART® Tool Range Taking Features

The following size Color-Keyed® lugs and splice connectors, when crimped with the SMART® Tools, produce these range taking capabilities:

COPPER		ALUMINUM	
STANDARD WIRE SIZE	RANGE TAKING	STANDARD WIRE SIZE	RANGE TAKING
1/0-AWG	#6-1/0 AWG	1/0-AWG	#6-1/0 AWG
2/0-AWG	#1-2/0 AWG	2/0-AWG	#1-2/0 AWG
4/0-AWG	#2-4/0 AWG	4/0-AWG	#2-4/0 AWG
300 kcmil	#2/0-300 kcmil	300 kcmil	#2/0-300 kcmil
350 kcmil	250-350 kcmil	350 kcmil	250-350 kcmil
500 kcmil	250-500 kcmil	500 kcmil	4/0-500 kcmil
750 kcmil	500-750 kcmil	750 kcmil	500-750 kcmil

TBM8-750M-1 12-Ton Dieless Manual Hydraulic Tool



Creates Indent-style crimp



Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
- Output Force: 12 tons
- Dimensions (L x W): 21½" x 4½"
- Weight: 13 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM8-750M-1	12-Ton Dieless Manual Hydraulic Compression Tool	1

Battpac® LT TBM8-750BSCR 12-Ton Dieless Battery-Powered Tool



Creates Indent-style crimp



Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
- Output Force: 12 tons
- Dimensions (L x W x H): 19½" x 3¾" x 8½"
- Battery: Ni-MH 14.4V 3.0Ah
- Weight with Battery: 9 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM8-750BSCR	Battpac® LT 12-Ton Dieless Battery-Powered Compression Tool. Includes carrying case, charger, two batteries and carry strap.	1

TBM8-750 12-Ton Dieless Hydraulic Head



Creates Indent-style crimp



Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
- Output Force: 12 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 14½" x 4½" x 2½"
- Weight: 9 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM8-750	12-Ton Dieless Hydraulic Compression Head	1

Color-Keyed

Power-Assisted Compression Tools: #8 to 900 MCM

TBM14M 14-Ton Manual Hydraulic Crimp Tool

Color-Keyed®

- Features short fiberglass handles for insulation and ease of use in tight spaces
- Two-stage pump provides rapid advance for fast installation
- Uses standard T&B Color-Keyed® 15500 Series dies



Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
 - CHT814-10 to CHT2502-6 copper H-taps
- Output Force: 14 tons
- Length: 24"
- Weight without Dies: 15.4 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM14M	14-ton manual hydraulic crimp tool with case	1

TBM14MC 14-Ton Compact Manual Hydraulic Crimp Tool



NEW!

- Improved ergonomic design requires less force
- 180° rotating head for use in tight spaces
- 1.65" jaw opening accommodates large compression terminals and joints
- Dual-speed action pump offers fast advancing speed for approach of die to connector and slower, more powerful speed for crimping
- Built-in safety valve bypasses oil supply at maximum pressure
- Pressure-release system can be easy activated at any stage of compression
- Uses standard T&B Color-Keyed® 15500 Series dies

Specifications

- Installing Range:
 - Up to 900 mcm copper lugs & splices
 - Up to 750 mcm aluminum lugs & splices
 - CHT814-10 to CHT2502-6 copper H-taps
- Output Force: 14 tons
- Length: 20½"
- Weight without Dies: 14 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM14MC	14-ton compact hydraulic crimp tool	1

Power-Assisted Compression Tools: #8 to 900 MCM



Color-Keyed®

Battpac® LT BPLT14BSCR/BPLT14BSCRI 14-Ton Battery-Powered Compression Tools



BPLT14BSCR



Creates Hex-style crimp



BPLT14BSCRI

- Reduced weight and more ergonomic design
- New double-speed feature decreases crimp time by doubling jaw speed until it reaches load
- New more powerful Ni-MH battery has 50% more energy and less memory effect than old batteries
- Rotating head allows maximum flexibility for crimping
- Uses Standard T&B Color-Keyed® 15500 Series dies

Specifications

- Installing Range: 54755 to 54775 C-taps
 - Output Force: 14 tons
 - Dimensions (L x W x H): 18 1/2" x 3 3/8" x 10"
 - Battery: Ni-MH 14.4V 3.0Ah
 - Weight with Battery: 18.1 lbs.
- Up to 900 mcm copper lugs & splices
- Up to 750 mcm aluminum lugs & splices
- CHT814-10 to CHT2502-6 copper H-taps
- 63105 to 63148 aluminum H-taps

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT14BSCR	Battpac® LT 14-Ton Compression Tool. Includes carrying case, charger, two-batteries, carry strap	1
BPLT14BSCRI	Same as above, but insulated head	1

13100A 14-Ton Hydraulic Crimping Head

- Rugged design, made to last in field or on bench
- C-yoke provides maximum flexibility for crimping
- Uses standard T&B Color-Keyed® 15500 Series dies
- Operates on 10,000 psi hydraulic pumps



Creates Hex-style crimp



Specifications

- Installing Range: 63105 to 63148 aluminum H-taps
 - Output Force: 14 tons
 - Operating Pressure: 10,000 psi nominal
 - Dimensions (L x W x H): 11 1/2" x 2 1/2" x 4 1/4"
 - Weight without Dies: 10 lbs.
- Up to 900 mcm copper lugs & splices
- Up to 750 mcm aluminum lugs & splices
- CHT814-10 to CHT2502-6 copper H-taps

CAT. NO.	DESCRIPTION	PKG. QTY.
13100A	14-ton hydraulic head with steel case	1

**Power-Assisted Compression Tools:
#8 to 1500 or 2000 MCM**

Battpac® LT BPLT15BSCR 15-Ton Battery-Powered Compression Tool

- Ergonomic design and reduced weight for operator comfort
- New double-speed feature decreases crimp time by doubling jaw speed until it reaches load
- New, more powerful Ni-MH battery has 50% more energy and less memory effect than older batteries
- Rotating head allows maximum flexibility for crimping
- Uses 15600 Series dies; can also use 15500 Series dies with 15500-TB adapter



Creates hex-style crimp



Cat. No.	DESCRIPTION	PKG. QTY.
BPLT15BSCR	15-Ton Battery-Powered Compression Tool Includes carrying case, charger, 2 batteries and carry strap	1

Specifications

- Installing Range: 54755 to 54790 C-taps
Up to 1500 mcm copper lugs & splices
Up to 1000 mcm aluminum lugs & splices
CHT814-10 to CHT750-350-1F copper H-taps
63105 to 63180 aluminum H-taps
- Output Force: 15 tons
- Dimensions (L x W x H): 21" x 3½" x 11"
- Battery: Ni-MH 14.4V 3.0Ah
- Weight with Battery: 23.75 lbs.

TBM15I 15-Ton Hydraulic Crimping Head



Creates hex-style crimp



- Head made of forged steel and insulated with rubber boot
- Longer, slimmer design enables easier access into tight spaces, such as in cable tray and central office applications
- Wider jaw opening eases crimping of larger lugs, C-taps and H-taps
- Uses 15600 Series dies; can also use 15500 Series dies with 15500-TB adapter

Specifications

- Installing Range: Up to 1500 mcm copper lugs & splices
Up to 1000 mcm aluminum lugs & splices
CHT814-10 to CHT750-350-1F copper H-taps
63105 to 36180 aluminum H-taps
54755 to 54790 C-taps
- Output Force: 15 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 15½" x 2½" x 4¾"
- Weight without Dies: 16.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM15I	Insulated 15-Ton Hydraulic Head with Steel Case	1
15600 Series — Fits directly into tool for larger size connectors, 800 kcmil–1,500 kcmil		
15500 Series — Used in conjunction with 15500-TB Adapter, #8 AWG–750 kcmil		

21940 40-Ton Hydraulic Crimping Head



Creates hex-style crimp



- Compact design delivers maximum pressure for larger lugs and splices
- Ideal for applications requiring larger lugs up to 2000 mcm
- Uses 11300 and 11400 Series dies

Specifications

- Installing Range: Up to 2000 mcm copper lugs & splices
Up to 2000 mcm aluminum lugs & splices
- Output Force: 40 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 12" x 4¾" x 7¾"
- Weight without Dies: 40 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
21940	40-Ton Hydraulic Head with Steel Case	1

Color-Keyed

Hydraulic Pumps



13606 Foot-/Hand-Operated and 13604 Hand-Operated Hydraulic Pump

- 13606 operates with either foot or hand; 13604 is hand operated only
- Operates all T&B hydraulic heads
- Built-in safety bypass valve
- Factory set at 9,800 psi



13606 Foot-/Hand-Operated Hydraulic Pump

Specifications

- Nominal Pressure: 9,800 psi
- Pumping Capacity: 2.6 cu. in./min. @ 200 psi
0.16 cu. in./min. @ 10,000 psi
- Reservoir Volume: 125 cu.in. (0.54 gal.)
- Max. Handle Force: 130 lbs.
- Dimensions (L x W x H): 23" x 5 3/4" x 6 3/4"
- Weight: 29 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13606	Combination Hand or Foot-Operated Hydraulic Pump	1
13604	Hand-Operated Hydraulic Pump	1

Battpac® LT BPLT13970P2 Pump

- Small and lightweight
- 60 minutes full recharge
- Highly visible display indicates battery power level
- Socket for 24 VDC external connection
- Operation in any position: on its side or upright
- Separate operation/release buttons protect against accidental operation
- Energy consumption limited by automatic shut-off
- Easily accessible oil top-up inlet



Specifications

- Nominal Pressure: 10,000 psi
- Pumping Capacity: 30 cu.in./min.
- Reservoir Volume: 60 cu.in. (.26 gal.)
- Dimensions (L x W x H): 13 1/2" x 6 1/2" x 12 3/4"
- Battery: Ni-MH 24V, 3 Ah
- Weight with Battery: 20.9 lbs.

Battery Performance Guide

In tests, the number of crimps obtained from a fully charged battery, using a remote crimping head, was:

- 102 crimps for Cu connectors on 250 kcmil HD Cu conductor
- 98 crimps for C-Tap connectors on #2 AWG HD Cu conductor
- 76 crimps for Cu sleeve connectors on 500 kcmil HD Cu conductor

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT13970P2	Battpac® LT Pump includes canvas accessories carrying bag, carrying strap, remote hand controller, two batteries, battery charger and non-drip couplings	1
BPLT13970RB	Ni-MH 24V Replacement battery	1
BPLT13970RP	Canvas backpack for pump	1
BPLT13970DC	Power connecting cable with clips	1
BPLT13970FS	Remote foot pedal controller	1

Color-Keyed

Hydraulic Pumps

13600 Electric Hydraulic Pump

- Designed for use with single-acting cylinders and tools rated for 10,000 psi operation
- Supplied with metal carrying case
- 13620 hand switch and 13619 hydraulic hose, both sold separately, required for operation

CAT. NO.	DESCRIPTION	PKG. QTY.
13600	Electric Hydraulic Pump — hand or foot switch and non-metallic hose (sold separately) required for operation	1

You may also need...

13620	Hand Switch — 10 ft.	1
13589A	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1
13600S	"Sled" type stand for 13600 pump	1

..... Specifications

- Motor: ½ hp, 115V 50–60 Hz 10 amps
- Pumping Capacity:
170 cu. in./min. at 100 psi
32 cu. in./min. at 1,000 psi
25 cu. in./min. at 5,000 psi
18 cu. in./min. at 10,000 psi
- Reservoir Volume: 104 cu. in. (.45 gal.)
- Basic Pump Dimension:
6" x 8" x 16"
- Weight: 25 lbs.



13610A Electric Hydraulic Pump with Shure-Stake® Control

- Shure-Stake® control mechanism requires 9,800 psi pump pressure before recycling to prevent under-crimping
- Designed for use with single-acting cylinders and tools rated for 10,000 psi operation
- Supplied with metal carrying case

..... Specifications

- Motor Rating: ½ hp, 115V, 50-60 Hz, 12.5 amps
- Pumping Capacity:
170 cu. in./min. at 100 psi
32 cu. in./min. at 1,000 psi
25 cu. in./min. at 5,000 psi
18 cu. in./min. at 10,000 psi
- Reservoir Volume: 104 cu. in. (.45 gal.)
- Basic Pump Dimension:
8½" x 10½" x 16"
- Weight: 35 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13610A	Electric Hydraulic Pump with Shure-Stake® control — hand or foot switch and non-metallic hose (sold separately) required for operation	1

You may also need...

13611	Hand Switch — 10 ft.	1
13612	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1



Hydraulic Pumps and Battery Connector Tools



13810 Heavy-Duty Electric Hydraulic Pump with Shure-Stake® Control



- Designed for perfect crimps every time in heavy-duty OEM applications
- Heavy-duty OEM two-stage pump with high flow rate
- Shure-Stake® control mechanism requires 9,800 psi pump pressure before recycling to prevent under-crimping
- Requires hand or foot control (sold separately)

Specifications

- Motor Rating: 1½ hp, 115V, 60 Hz, 23 amps
- Pumping Capacity: 235 cu.in./min. at 200 psi
61 cu.in./min. at 8,000 psi
- Reservoir Volume: 462 cu.in./2 gal.
- Dimensions (L x W x H): 10¾" x 15" x 20¾"
- Weight: 60 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13810	Heavy-duty electric hydraulic pump with Shure-Stake® control — hand or foot switch and non-metallic hose (sold separately) required for operation	1

You may also need...

13611	Hand switch — 10 ft.	1
13612	Foot switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1

Miscellaneous Hydraulic Pump Accessories

CAT. NO.	DESCRIPTION	PKG. QTY.
21061	Hydraulic Oil	1
13798	Male Pioneer Quick Disconnect Coupler	1
13799	Female Pioneer Quick Disconnect Coupler	1
13614	Metallic Reinforced Hose for OEM operations — 10 ft.	1

Battery Connector Crimp Tools

- Adjustable die crimping tool for Color-Keyed® cast and tubular battery connectors
- Available with Shure-Stake® mechanism to ensure a complete crimp every time (BCT840S)
- Crimps casting and tubular battery connectors ranging from 4 AWG to 4/0



BCT840, BCT840S



TBM5SV, TBM5V

- Heavy-duty crimping tool including die for 8 AWG–4/0 battery connectors, lugs and splices
- The single die is an integral part of the tool; no dies to lose or misplace
- Available with Shure-Stake® mechanism to ensure a complete crimp every time (TBM5SV)

CAT. NO.	DESCRIPTION	PKG. QTY.
BCT840	Dieless Crimp Tool for cast and tubular battery connectors	1
BCT840S	Dieless Crimp Tool with Shure-Stake® mechanism for cast and tubular battery connectors	1
TBM5V	Ratchet Crimp Tool with die for 8 AWG to 4/0 battery connectors	1
TBM5SV	Ratchet Crimp Tool with Shure-Stake® mechanism and die for 8 AWG to 4/0 battery connectors	1

Color-Keyed

Strippers, Cutters and Other Tools

BCS8-40 Cable Stripper



BCS8-40

CAT. NO.	DESCRIPTION	PKG. QTY.
BCS8-40	Cable stripper for 8 AWG-4/0 battery cable with replacement blade provided in the handle	1

368-CK Cable Stripper



CAT. NO.	DESCRIPTION	PKG. QTY.
368-CK	Cable stripper for #1 to 1,000 kcmil	1

364RF/366RF Cable Cutters with Fiberglass Handles



CAT. NO.	CABLE SIZE	PKG. QTY.
364RF	Cutter for up to 500 kcmil copper and aluminum	1
366RF	Cutter for up to 1,000 kcmil copper and aluminum	1

For copper and aluminum cable only. Not for steel.
Replacement blades are available through Tool Services.

TBM40HC Hand-Operated Hydraulic Cutting Tool

- Specifically designed to cut copper, aluminum and telecommunications cables up to 3.35" O.D.
- Offers dual-speed action: fast advancing speed for rapid approach of blades to cable and slower, more powerful speed for cutting
- Blades manufactured from high-strength, heat-treated steel to ensure long service life
- Head easily opens to enable cutting of existing run cables
- Head rotates 180°, enabling operator to position for easiest use
- Automatic safety valve bypasses oil when reaching maximum pressure
- Pressure release device can also be activated during any point of operation



Specifications

- Max. Cutting Capacity: 3.35" O.D.
- Weight: 14.55 lbs.
- Dimensions (L x W): 25.69" x 6.89"

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM40HC	Hand-operated hydraulic cutting tool	1

Color-Keyed®

Strippers, Cutters and Other Tools



CSR750 Cable Cutter



- Special advance stroke mechanism requires less handle force
- Cuts copper or aluminum cables up to 750 kcmil
- Short handles (only 10" long) enable use in tight spaces

CAT. NO.	DESCRIPTION	PKG. QTY.
CSR750	Cutter for up to 750 kcmil copper or aluminum	1

Battpac® LT BPLT54BSCT Fast-Cycle Battery-Powered Cutting Tool



Specifications

- Max. Cutting Capacity: 2½" O.D. Aluminum; 750 kcmil Copper
- Recommended Cutting Range for Consistent Use: 250 kcmil
- Batteries: 6.0V
- Weight with battery: 4.8 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT54BSCT	Battpac® LT Fast-Cycle Cutting Tool. Includes carrying case, charger, two batteries, carry strap	1

Battpac® TBM54BSCT and TBM54BSCTS Battery-Powered Cutters

- Removable battery — simply change for continuous use
- One-handed control of blade advancement and retraction
- TBM54BSCTS cuts up to 750 kcmil copper, 2½" O.D. aluminum and 636 kcmil ACSR
- TBM54BSCT cuts up to 1,500 kcmil copper and 2½" O.D. aluminum (not for use on ACSR)

Guide to Cutting Cycles

This guide indicates the number of cutting cycles that the TBM54BSCT and TBM54BSCTS can be expected to perform when the battery is fully charged. These figures are approximate and will vary according to the charging and other operating conditions, such as temperature, humidity and battery condition.

CAT. NO.	CONDUCTOR	APPROX. CUTTING CYCLES	
		CRCTBPI & CRCTBP	CRCTPBEI
TBM54BSCTS	750 kcmil Cu	35	105
	636 kcmil ACSR	50	150
TBM54BSCT	1,000 kcmil Cu	45	135
	1,500 kcmil Cu; 2½" Al	30	90

Battery Cartridge: (CRCTBP)

Battery Type: Sealed Nickel Cadmium
Voltage: 14.4V DC
Rated Current: 1.9Ah
Dimensions: 3.5"L x 2.7"W x 5.3"H
Weight: 1.6 lbs.

Battery Charger: (CRCTQC)

Input Voltage: 120V AC Single Phase
Charging Capacity: 20 VA
Charging Time: 15 min. CRCTBP & CRCTBPI
45 min. CRCTPBEI

Dimensions: 7.5"L x 3.7"W x 3.5"H
Weight: 4 lbs.

Optional Accessories:

Battery Pack: CRCTBPEI
Battery Cartridge: CRCTBPI or CRCTBP
DC Charger: CRCTDC



Specifications

- Motor: 14.4V DC
- Dimensions (L x W x H): 16" x 4" x 4.5"
- Weight with Battery: 7.2 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM54BSCTS	Battery-powered cutter for up to 750 kcmil Cu, 2½" O.D. Al and 636 kcmil ACSR	1
TBM54BSCT	Battery-powered cutter for up to 1,500 kcmil Cu, 2½" O.D. Al (not for use on ACSR)	1

Strippers, Cutters and Other Tools

Color-Keyed®

Battpac® TBM58BSCT Battery-Powered Cutter

- Designed for one-handed operation
- Simply remove pin latch, place over cable, reinsert pin and cut
- Built-in bypass pops off if material is beyond cutter's capacity
- Cuts ACSR, aluminum and copper cables up to 1½", regular guy wires and ground rods up to ¾"

NOTE: Not recommended for use on hardened steel.

Standard Battpac® Kit Includes:

- 1 battery-powered tool
- 1 carrying strap
- 1 carrying case
- 2 CRCTBP batteries
- 1 CRCTQC 15-minute AC charger



Specifications

- Output Pressure: 6 tons
- Max Cutting Capacity: Soft steel bolts: 1½" (17mm) Rebar & ground rod: ¾" (16mm) ACSR : 1½" (40mm) CU & AL strands: 1½" (40mm)
- Standard guy wire: ⅝" (16mm) Wire rope: ¾" (20mm)
- Dimensions (H x W x D): 17" x 12" x 3"
- Weight with Battery: 14 lbs.

Cat. No.	DESCRIPTION	PKG. QTY.
TBM58BSCT	Battery-Powered Cutter	1

Battpac® LT BPLT58BSCT Battery-Powered Cutter

- Cuts copper, aluminum and ACSR up to 1½" O.D.
- Also cuts soft steel bolts, rebar and wire rope
- Forged steel head and cutting blades for strength and durability
- Dual forward speeds enhance productivity
- New, more powerful Ni-MH battery has 50% more energy and less memory effect than old batteries



Specifications

- Max. Cutting Capacity: Copper, aluminum & ACSR cable to 1½" O.D. Rebar, ground rod & standard guy wire to ¾" Soft steel bolts to 1½"
- Wire rope to ¾"
- Dimensions (L x W x H): 19½" x 3¾" x 9¾"
- Battery: Ni-MH 14.4V 3.0Ah
- Weight with Battery: 16.7 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BPLT58BSCT	Battery-Powered Cutter with carrying case, charger, two batteries and carry strap.	1

297-32136 Hydraulic Cutting Head

- Heavy duty cutter with high strength steel blades
- Cuts both aluminum and copper wire to 1½" O.D.
- Cutter supplied with carrying case



Specifications

- Max. Cutting Capacity (aluminum and copper): 1½" O.D.
- Dimensions (L x W x H): 14½ x 2½ x 4"
- Weight: 8.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
297-32136	Hydraulic Cutting Head	1

TBM40HCRH Hydraulic Cutting Head

- Heat-treated, high-strength steel blades for clean cuts and long service life
- Quick automatic coupler speeds connection to hydraulic systems
- Comes with carrying case



Specifications

- Max. Cutting Capacity (copper, aluminum and telecommunications cable): Up to 3.35" O.D.*
- Hydraulic Operating Pressure: 10,000 psi (maximum)
- Dimensions (L x W): 15.94" x 5.63"
- Weight: 10.8 lbs.

* Not designed for cutting steel-reinforced conductors

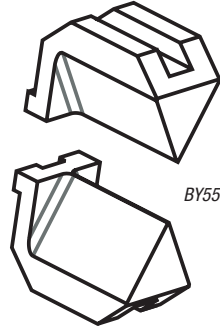
CAT. NO.	DESCRIPTION	PKG QTY.
TBM40HCRH	Hydraulic Cutting Head	1

Strippers, Cutters and Other Tools



Cable Slicing Die Sets

- Cuts copper and aluminum insulated cable sizes from #8 AWG through 500 kcmil
- Produces clean, squared-end cut, which eliminates extra trimming of conductor strands



CAT. NO.	MAXIMUM CABLE SIZE	TOOLS	PKG. QTY.
BY55	2/0	TBM6H and TBM6BSCR	1
40C	4/0	TBM14M and 13100A and TBM14BSCR	1
156CS	500 kcmil	TBM15I and TBM15BSCR	1

Blackburn® OD581 Mechanical Compression Tool

- Equipped with fixed 5/8" die in nose
- Also accepts standard insert "O," "D" and 840 dies
- Patented, integral self-gauging system in tool head ensures proper adjustment before each crimp
- Improved lever-action design reduces force required to crimp by as much as 20%
- Fiberglass handles offer light weight, high strength and superior insulating properties
- Distribution of weight over tool length enhances balance for easier handling and positioning



CAT. NO.	DESCRIPTION	PKG. QTY.
OD581	Mechanical Compression Tool with Fixed 5/8" Nose Die, Insert Die Cavity for "O," "D" or 840 Die (sold separately) and 21" Fiberglass Handles	1

21649 Cable Bender



CAT. NO.	DESCRIPTION	PKG. QTY.
21649	Bender for cable up to 750 kcmil	1

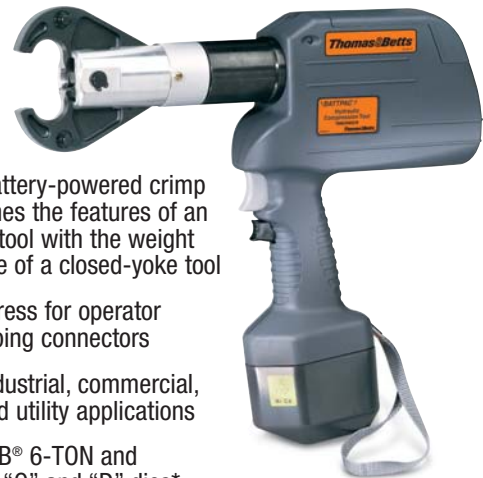
CTR-1 C-Tap Removal Tool



CAT. NO.	DESCRIPTION	PKG. QTY.
CTR-1	C-Tap Removal Tool	1

Blackburn® TBMODBSCR 6-Ton Battery-Powered Compression Tool

- Versatile battery-powered crimp tool combines the features of an open-yoke tool with the weight and balance of a closed-yoke tool
- Reduces stress for operator when crimping connectors
- Ideal for industrial, commercial, telecom and utility applications
- Accepts T&B® 6-TON and Blackburn® "O" and "D" dies*



Specifications

- Installing Range:
 - Up to 4/0 aluminum H-taps
 - Standard C-taps
- Output Force: 6 tons
- Dimensions (L x W x H): 12" x 3" x 13"
- Battery: Ni-MH 14.4V 3.0 Ah
- Weight with Battery: 8 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBMODBSCR	Battery-Powered 6-TON Crimping Tool — Includes Shoulder Strap, Charger, Carrying Case, Battery Cartridge and Owners Manuals	1

*T&B® 6-TON and Blackburn® "O" and "D" dies sold separately.

Color-Keyed®

Installing Dies

Color-Keyed®

Dies for Standard Lugs & Splices (TBM25S – TBM12)

CONNECTOR SIZE			COLOR-KEYED DIE COLOR	TBM8-750M-1 TBM8-750BSCR			TBM-8/8S	TBM-5/5S	TBM6/6S / 25000		13642M / 13400 HYDRAULIC HEAD		TBM12 HYDRAULIC HEAD			
CODE COPPER	FLEX/24	AL/CU		TBM25S	TBM4S	TBM8-750	TBM8 DIE CAT. NO.	TBM5 DIE CAT. NO.	CAT. NO. UPPER DIE	CAT. NO. LOWER DIE	DIE CAT. NO.	DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.		
8 AWG	37/24	10 AWG	RED	↕ C-Taps Only ↕	↕	↕			13475	13477	11732	21	TBM12D-1	21		
6 AWG	61/24	8 AWG	BLUE								13475	13477	11733	24	TBM12D-1	24
4 AWG	91/24	6 AWG	GRAY						13461	13454	13472	13476	11734	29	TBM12D-2	29
2 AWG	125/24		BROWN								13474	13477	11735	33	TBM12D-2	33
1 AWG	150/24	4 AWG	GREEN								13474	13477	11736	37	TBM12D-3	37
1/0	225/24	2 AWG	PINK								13475	13477	11737	42	TBM12D-3	42
2/0	275/24		BLACK						13462	13455	13474	13477	11738	45	TBM12D-4	45
3/0	325/24		ORANGE								13474	13477	11739	50	TBM12D-4	50
4/0	450/24		PURPLE								13475	13477	11740	54	TBM12D-5	54
250 kcmil	550/24		YELLOW						13463	13456	13473	13476	11771	62	TBM12D-5	62
		1 AWG	GOLD								13474	13477	11738	45	TBM12D-4	45
		1/0	TAN								13474	13477	11739	50	TBM12D-4	50
		2/0	OLIVE						13464	13457	13475	13477	11740	54	TBM12D-5	54
		3/0	RUBY								13473	13476	11741	60	TBM12D-5	60
300 kcmil		4/0	WHITE						13465		13473	13476	11742	66H	TBM12D-5	66H
350 kcmil	775/24(short)	250 kcmil	RED						13466	13458	13472	13476	11743	71H	TBM12D-4	71H
400 kcmil	775/24(long)	300 kcmil	BLUE						13467	4/0 only	13472	13476	11744	76H	TBM12D-4	76H
	925/24*		N/A								13479	13476	11745	80H		
			N/A													
500 kcmil		350 kcmil	BROWN						13468		13478	13478	11746-TB	87H	TBM12D-3	87H
600 kcmil	1100/24	400 kcmil	GREEN							11747	94H	TBM12D-3	94H			
			GREEN										94H			
			PINK													
700 kcmil		500 kcmil	PINK							11748	99H	TBM12D-2	99H			
750 kcmil		650 kcmil	BLACK							11749	106H	TBM12D-2	106H			
800 kcmil			ORANGE							11750	107H					
			PURPLE							11751	112H	TBM12D-1	112H			
900 kcmil	1925/25	750 kcmil	YELLOW							11753	115H	TBM12D-1	115H			
1000 kcmil		800 kcmil														
		1000 kcmil														

* Standard barrel only. Long barrel requires Brown 87H.

** Standard barrel only. Long barrel requires Black 106H.



Dies for Standard Lugs & Splices (TBM6H – 21940)

CONNECTOR SIZE			COLOR-KEYED DIE COLOR	BPLT6BSCR / TBM6H		BPLT62BSCR		BPLT14BSCR / TBM14M / TBM14MC / 13100A*		BPLT15BSCR / TBM151***		21940 (40 TON)	
CODE COPPER	FLEX/24	AL/CU		DIE CAT. NO.	DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.
8 AWG	37/24	10 AWG	RED	6TON21	21	TBM6221	21	15520	21	15520	21		
6 AWG	61/24	8 AWG	BLUE	6TON24	24	TBM6224	24	15522	24	15522	24		
4 AWG	91/24	6 AWG	GRAY	6TON29	29	TBM6229	29	15527-CK	29	15527-CK	29	11401	29
2 AWG	125/24		BROWN	6TON33	33	TBM6233	33	15528	33	15528	33	11402	33
1 AWG	140/24	4 AWG	GREEN	6TON37	37	TBM6237	37	15513-CK	37	15513-CK	37	11333	37
1/0	225/24	2 AWG	PINK	6TON42	42	TBM6242	42	15508	42	15508	42H	11334	42
2/0	275/24		BLACK	6TON45	45	TBM6245	45	15526	45	15526	45	11405	45
3/0	325/24		ORANGE	6TON50	50	TBM6250	50	15530	50	15530	50	11406	50
4/0	450/24		PURPLE	6TON54	54	TBM6254	54	15511	54	15511	54H	11407	54H
250 kcmil	550/24		YELLOW	6TON62	62	TBM6262	62	15510-CK	62	15510-CK	62	297-31669-7	62
		1 AWG	GOLD	6TON45	45	TBM6245	45	15526	45	15526	45	11405	45
		1/0	TAN	6TON50	50	TBM6250	50	15530	50	15530	50	11406	50
		2/0	OLIVE	6TON54	54	TBM6254	54	15511	54	15511	54H	11407	54
		3/0	RUBY	6TON60	60	TBM6260	60	15532-CK	60	15532-CK	60	11408	60
300 kcmil		4/0	WHITE	6TON66	66H	TBM6266	66	15534	66H	15534	66H	11409	66
350 kcmil	775/24(short)	250 kcmil	RED	6TON71	71H	TBM6271	71	15514-CK	71H	15514-CK	71H	11363	71
400 kcmil	775/24(long)	300 kcmil	BLUE	6TON76	76H	TBM6276	76	15512	76H	15512	76H	11410	76
	925/24*		N/A	6TON80	80H	TBM6280	80	15517	80H	15517	80H		
			N/A							15606	80		
500 kcmil		350 kcmil	BROWN	6TON87	87H	TBM6287	87	15506	87H	15506	87H	11423	87
600 kcmil	1100/24	400 kcmil	GREEN	6TON94	94H					15611	94H	11364	94
			GREEN					15536-CK	94H	15536-CK	94H		
	1325/24**		PINK										
700 kcmil		500 kcmil	PINK		99H			15505	99H	15505	99H	11424	99
750 kcmil		650 kcmil	BLACK		106H			15515-CK	106H	15515-CK	106H	74506	106
800 kcmil			ORANGE		107H					15608	107H	11425	107
		700 kcmil	PURPLE		112H					15609	112H	11426	112
900 kcmil	1925/24	750 kcmil	YELLOW		115H			15504	115H	15504	115H	11308	115
1000 kcmil		800 kcmil								15603	125H	11416	125
		1000 kcmil								15602	140H	11418	140
										15601	150H	11419	150

*Standard barrel only. Long barrel requires Brown 87H.

**Standard barrel only. Long barrel requires Black 106H.

***15500 Series dies require 15500-TB adapter. 15500F for full size die to fit TBM151 without adapter.

Installing Dies

Dies for Standard C-Taps

CONNECTOR	COLOR CODE	TBM25S DIE NO.	TBM5/5S DIE NO.	TBM6/6S DIE NO.	TBM8/8S DIE NO.	BPLT62BSCR DIE NO.	TBM6H/BPLT6BSCR DIE NO.
54705	RED	Red Nest	13454	13475/13477	13461	TBM6221	6TON21
54710	BLUE	Blue Nest	13454	13475/13477	13461	TBM6224	6TON24
54715	GRAY	Grey Nest	13454	13472/13476	13461	TBM6229	6TON29
54720	BROWN	Brown Nest	13454	13474/13477	13461	TBM6233	6TON33
54725	GREEN	Green Nest	13455	13474/13477	13462	TBM6237	6TON37
54730	PINK	—	13455	13475/13477	13462	TBM6242	6TON42
54735	BLACK	—	13455	13474/13477	13462	TBM6245	6TON45
54740	ORANGE	—	13455	13474/13477	13462	TBM6250	6TON50
54745	PURPLE	—	13456	13475/13477	13463	TBM6254	6TON54
54750	YELLOW	—	13456	13473/13478	13463	TBM6262	6TON62

Dies for Large C-Taps

CONNECTOR	COLOR CODE	13642M/13400 DIE NO.	TBM12 DIE NO.	13100A/JB12B/TBM14M/ BPLT14BSCR DIE NO.	TBM15/ BPLT15BSCR DIE NO.
54755	BLUE	11744	TBM12D-4	15512	15512
54760	BROWN	11746-TB	TBM12D-3	15506	15506
54765	PINK	11748	TBM12D-2	15505	15505
54770	BLACK	11749	TBM12D-2	15515-CK	15515-CK
54775	YELLOW	11753	TBM12D-1	15504	15504
54780	WHITE	—	—	—	15603
54785	N/A	—	—	—	15603
54790	N/A	—	—	—	15603

Dies for Copper H-Taps

CONNECTOR	COLOR CODE	TBM6H/BPLT6BSCR DIE NO.	13100A/JB12B/TBM14M/ BPLT14BSCR DIE NO.	TBM15/ BPLT15BSCR DIE NO.
CHT814-10	GREEN	6TON37R	15CA37RCH	15CA37RCH
CHT214-9	BROWN	6TON71R	15CA71RCH	15CA71RCH
CHT250214-8	PURPLE	—	15CA80RCH	15CA80RCH
CHT25014-7	PURPLE	—	15CA80RCH	15CA80RCH
CHT2502-6	PURPLE	—	15CA80RCH	15CA80RCH
CHT50010-5	BROWN	—	—	15612CH
CHT50040-4	BROWN	—	—	15612CH
CHT75010-3	YELLOW	—	—	15620CH
CHT750350-2	YELLOW	—	—	15620CH
CHT75040-11	YELLOW	—	—	15620CH
CHT750350-1F	WHITE	—	—	15620CHF



Dies for Aluminum H-Taps

CONNECTOR	COLOR CODE	TBM5/5S DIE NO.	TBM6/6S DIE NO.	TBM8/8S DIE NO.	TBM12 DIE NO.	TBM6H/BPLT6BSCR DIE NO.	13100A/JB12B/TBM14M/ BPLT14BSCR DIE NO.	TBM15/ BPLT15BSCR DIE NO.
63105	ORANGE	13455	13474/13477	13462	TBM12D-4	6TON50	15530	15530
63110	GREEN	—	13470	—	TBM12D-H	OJB	15501A	15501A
63118	GREEN	—	13470	—	TBM12D-H	OJB	15501A	15501A
63125	GREEN	—	13470	—	TBM12D-H	OJB	15501A	15501A
63140	BLUE	—	13471	—	TBM12D-H	DBL	15502	15502
63148	BLUE	—	13471	—	TBM12D-H	DBL	15502	15502
63160	RED	—	—	—	—	—	—	15612
63169	BLACK	—	—	—	—	—	—	15620
63170	BLACK	—	—	—	—	—	—	15620
63180	BLACK	—	—	—	—	—	—	15620

Color-Keyed[®]

Dies for Figure 6 & Figure 8 Ground Connectors

CONNECTOR	CABLE ELEMENT A	TO CABLE ELEMENT B	TO GROUND ROD ELEMENT B	TO REBAR ELEMENT B	DIE SELECTION	
					ELEMENT A	ELEMENT B
54855L	#6 Sol. - #2 Str.	#6 Sol. - #2 Str.	—	—	15501A	15501A
54865L	#1 Str. - 250 kcmil	#6 Sol. - #2 Str.	½" - ⅝" Rod	⅜" - ½" #3 - #4 Rebar	15G86R	15501A
54875L	#2 Str. - 250 kcmil	#2 Str. - 250 kcmil	½" - ⅝" Rod	⅜" - ½" #3 - #4 Rebar	15G86R	15G86R
54885L	250 kcmil - 500 kcmil	#6 Sol. - #2 Str.	⅝" - ¾" Rod	⅝" - ¾" #3 - #4 Rebar	15G126R	15501A
54895L	250 kcmil - 500 kcmil	#2 Str. - 250 kcmil	⅝" - ¾" Rod	⅝" - ¾" #3 - #4 Rebar	15G126R	15G86R
54900L	250 kcmil - 500 kcmil	#2 Str. - 250 kcmil	⅝" - ¾" Rod	⅝" - ¾" #3 - #4 Rebar	15G121R	15G121R

Dies for High-Voltage Connectors

DIE CODE NO.	TBM15I, TBM14M, 13100A	
	ADAPTER TYPE	NON-ADAPTER TYPE
29R	15CA29R	—
33R	15CA33R	—
37R	15CA37R	—
42R	15CA42R	—
45R	15CA45R	—
49R	15CA49R	—
54R	15CA54R	—
60R	15CA60R	—
66R	15CA66R	—
71R	15CA71R	—
76R	15CA76R	—
87R	15CA87R	—
94R	15CA94R†	—
106R	15CA106R†	—
125R	—	15C125R*

* To be used with TBM15I only.

** Use 15500-TB adapter with TBM15I tool.

† Not UL Listed in TBM14M/13100A tool.

Stripping and Cutting Tools

Single operation to cut and strip at the same time!

SWS01/DWS02 Wire Stripping/Cutting Tools

Sta-Kon®



- Automatic adjustment to the diameter of the wire, with neither setting nor selection
- Sharply cuts and strips insulator without damaging the conductors
- DWS02 is a double-side stripper, stripping two wires at the same time

CAT. NO.	DESCRIPTION	PKG. QTY.
SWS01	Single-Side Stripper	1
DWS02	Double-Side Stripper	1

Integral wire cutter lets user cut and strip with the same tool!

Sta-Kon® ERG1-WS Wire Stripping/Cutting Tool



"V" Blade Cassette

- Interchangeable cassettes enable the user to strip a wide range of insulations without having to change tools
- Tool automatically strips wire to preset length

CAT. NO.	DESCRIPTION	PKG. QTY.
ERG1-WS	Ergonomic Wire Stripping Tool	1
SBC-1	Replacement Straight Blade Cassette	1
VBC-1	Replacement "V" Blade Cassette	1

ERG1-WS Wire Stripping/Cutting Tool is shipped with one Straight Blade Cassette. "V" Blade Cassettes sold separately.



Used for installation of various Sta-Kon® terminal series.

Plier-Type Tools

Sta-Kon®



WT111M



WT110M



WT112M



WT161M



WT2000

CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT110M	A, B, C non-insulated terminals and splices and A, B non-insulated terminals with insulation grip	1
WT111M	A, B, C, PT non-insulated terminals and splices; includes cutters	1
WT112M	A, B, C non-insulated and RA, RB, RC insulated nylon and vinyl terminals and splices; includes cutters	1
WT161M	A, B, C, PT non-insulated terminals and splices; includes plier grip and cutters	1
WT2000	A, B, C, AB, PT, RA, RB, RC insulated and non-insulated terminals and splices; includes wire cutters, bolt cutters and wire stripper	1

Manual Crimping Tools

Ergonomically designed handles let user get a grip on safety.

Sta-Kon®

For easy visual verification of crimps, integrity dots are embossed on the top and bottom of the terminal.

Toggle action increases mechanical gain, which dramatically reduces handle force — and the stress on your hands.

Advanced ergonomic design of handle distributes the force more evenly across the hand.

Color-coded die nests on both the right and left sides of the tool are included for insulated terminals.

Shure-Stake® mechanism ensures a complete crimp cycle before it releases the tool.

Rubberized thermoplastic handle combines maximum friction with a soft, comfortable feel that reduces muscle tension.



ERG2001



ERG2002



ERG2007



ERG2004



ERG2008



ERG2005

Comfort Crimp® Terminal Tool

Concerned about safety? Down time? Health care costs?

The Thomas & Betts ergonomically-designed Comfort Crimp® tool helps reduce the risk of carpal tunnel syndrome, the cause of almost one out of every two industrial injuries.

This tool's unique design delivers the same reliable crimp with up to 60% less handle force than other terminal hand tools, so you won't have to sacrifice your hand to make a successful crimp. We've researched the tool components to provide maximum comfort to the operator while ensuring a complete crimp.

Just wrap your hands around our Comfort Crimp® terminal tool. It's such a relief you won't want to handle any other tool ever again.

CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
ERG2001	RA, RB, RC Nylon & vinyl terminals, splices & disconnects	1
ERG2002	A, B, C Non-insulated terminals, splices, disconnects	1
ERG2004	A,B and C Flag terminals	1
ERG2005	B, C, D, E Non-insulated terminals, splices, (D & E tubular only)	1
ERG2006	RA, RB .110 Disconnects and RAX Terminals	1
ERG2007	RD & RE Insulated terminals (tubular only)	1
ERG2008	Non-insulated terminals #8-1/0 AWG (tubular only)	1

NOTE: Contact Tool Services for gauging.

Manual Crimping Tools



Sta-Kon®

WT1377 Ratchet Hand Tool

Correct compression every time — the Shure-Stake® mechanism principle prevents opening of the handles until full staking action is completed. Installs self-insulated and non-insulated Sta-Kon® terminal series in the #26–10 AWG wire range.



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT1377	NW Ring Terminals	1

WT2130A Ratchet Hand Tool



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT2130A	RC, RBC and RD insulated terminals, RC6, RP7 wire joints	1

ERG2006 Hand Tool



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
ERG2006	RZ, RV Terminals/Splices RA, RB .110 insulated disconnects	1

WT3185 Ratchet Hand Tool



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT3185	For 8 AWG to 250 MCM Non-Insulated Sta-Kon® Terminals	1

NOTE: For gauging information, contact Tool Services.

ERG1255 Ratchet Hand Tool



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
ERG1255	RA, RB, RC Heat-Shrinkable nylon insulated terminals, butt splices, and disconnects	1

WT129 Flag Terminal Type Hand Tool



CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT129	D, E, F & G Non-Insulated Flag Terminals	1

Sta-Kon

Thomas & Betts

Manual Crimping Tools

WT115A Toggle-Type Hand Tool



Sta-Kon

CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
WT115A	D, E, F & G Non-Insulated Terminals	1

TBM6 & TBM6S Toggle-Type Hand Tools



Installing Dies for Non-Insulated Code and Aircraft Sta-Kon® Terminals

CAT. NO.		TERM. SIZE
NEST STATIONARY DIE	INDENTOR MOVABLE DIE	
11803		D, E (Tubular)
11805		E (Brazed), F (Tubular)
11806	11802	F (Brazed), G
11807		H
11808		J
11809		K
11810		L
11811		M

Installing Dies for Nylon Insulated Sta-Kon® Terminals TBM6 & TM6S Tool

CAT. NO. DIE SET	TERM. SIZE
11821	RD
11822	RE
11823	RF
11824	RG
11825	RH
11826	RJ
11827	RK
11828	RL
11829	RM

CAT. NO.	FOR USE WITH STA-KON® SERIES	PKG. QTY.
TBM6	D through M, RD through RM	1
TBM6S	D through M, RD through RM with Shure-Stake®	1

Dies not included.



Safe, fast, high-volume crimping machine!

Shure-Stake® Auto-Feed Tool

- Shure-Stake® mechanism
- Fully guarded foot pedal
- Clear plastic safety guard over die area
- Dies color coded to terminals
- #26–10 AWG wire range
- Installs insulated and non-insulated terminals and disconnects



Sta-Kon®

CAT. NO.	DESCRIPTION	PKG. QTY.
12050	Compact, pneumatically operated unit for crimping tape-mounted Sta-Kon® terminals; equipped with Shure-Stake® mechanism, which ensures a full compression each time	1

Space Requirement: 30" W x 20" H x 20" D

Weight: 55 lbs.

Air Pressure: 90–125 psi input air supply

Installing Dies for 12050

STA-KON® TERMINAL TYPE	AWG WIRE SIZE	DIE CAT. NO.	PKG. QTY.
RA — Nylon	22–18	12051	
RA — Vinyl	22–18	12054*	1
RA .110 Disconnect	22–18	12061	1
RB — Nylon	16–14	12052	1
RB — Vinyl	16–14	12055*	1
RB .110 Disconnect	16–14	12062	1
RC — Nylon and Vinyl Insulated	12–10	12056	1
A — Non-Insulated	22–18	12057	1
B — Non-Insulated	16–14	12058	1
C — Non-Insulated	12–10	12059	1
C Disconnect, Non-Insulated	12–10	12060	1
RV — RZ	26–24	683-54335	1

* Can also be used on nylon.

Battery-Powered Crimping Tools

Sta-Kon®

1½ tons of force that weighs less than 3 pounds!

BAT22-6 Battery-Powered Crimping Tool

T&B's BAT22-6 battery-powered tool is fast and portable for making high-volume and difficult-to-reach terminal installations in a snap. The Sta-Kon® BAT22-6 delivers 1.5 tons of crimping force with an easy, pushbutton trigger. The lightweight, ergonomic design minimizes the risk of repetitive motion injuries that can occur with traditional hand crimping tools. And at less than three pounds, one-hand operation is easy while still packing enough power to crimp up to 6 AWG terminals in seconds.

- Interchangeable dies can be quickly changed to crimp non-insulated and insulated terminals up to 6 AWG
- Dies are the same as our hand tools — crimps will be exactly the same between Sta-Kon® hand tools such as our ERG2001 and the BAT22-6
- 360° rotating head gives user the added flexibility when crimping hard-to-reach connections
- Short cycle time equates to crimping times of less than two seconds
- Quick, lightweight and maneuverable
- NiCd battery operation provides long-lasting battery life to complete up to 150 crimps on a single charge
- Extra battery and charger are included with the tool, ensuring round-the-clock operation
- Battery charger provides full battery life in under an hour
- Linear crimping motion gives a symmetric, high-quality crimp every time



Easy to rotate with your wrist — delivers fast and effective crimping power.



Uses the exact dies of the Comfort Crimp line of ergonomic tools for Sta-Kon and Dragon Tooth.

Included Accessories

- Sturdy, plastic carrying case for portability
- Two 9.6V NiCd batteries and battery charger
- Sturdy tray for convenient storage of crimp dies

CAT. NO.	DESCRIPTION	PKG. QTY.
BAT22-6	Battery Crimping Tool, 1.5 Ton with 120 VAC Charger	1
Crimp Dies*		
DIE2001	Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2002	Non-Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2005	16–14/12–10/8–6 (Tubular Only) Sta-Kon Terminals	1
DIE2007	Insulated 8–6 AWG Sta-Kon Terminals	1

* Dies sold separately.

Hydraulic Crimping Tools



Crimp 22–6 AWG terminals!

BAIR22-6 Bench-Mounted Air Tool

- 1.5 tons of grip
- Bench-mounted heavy-duty air tool
- Short cycle time
- Shure-Stake® mechanism
- Foot actuated
- Accepts T&B standard hand tool dies
- Installs Sta-Kon® and Spec-Kon® terminals as well as ferrules and Dragon Tooth® connectors

CAT. NO.	DESCRIPTION	PKG. QTY.
BAIR22-6	Heavy-duty, high-speed production tool installs a wide range of Sta-Kon® terminals, from 26-6 gauge; uses the ERG2000 series dies for both non-insulated and insulated terminals; supplied complete with foot pedal, air hose/air lubricator	1

Crimp Dies*

DIE2001	Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2002	Non-Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2005	16–14/12–10/8–6 (Tubular Only) Sta-Kon Terminals	1
DIE2007	Insulated 8–6 AWG Sta-Kon Terminals	1

* Dies sold separately.

NOTE: The dies for the BAIR22-6, PAIR22-6 and BAT22-6 are interchangeable.



Sta-Kon®

1.5 tons of portable force!



PAIR22-6 Portable Air Hydraulic Tool

- Crimps 22-6 AWG terminals
- Portable heavy-duty air tool
- Installs Sta-Kon® terminals as well as ferrules and Dragon Tooth® connectors
- Interchangeable dies
- Open yoke enables easy access to insert and remove terminals for crimping

CAT. NO.	DESCRIPTION	PKG. QTY.
PAIR22-6	Open yoke; hand actuated	1

Crimp Dies*

DIE2001	Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2002	Non-Insulated 22–10 AWG Sta-Kon Terminals	1
DIE2005	16–14/12–10/8–6 (Tubular Only) Sta-Kon Terminals	1
DIE2007	Insulated 8–6 AWG Sta-Kon Terminals	1

* Dies sold separately.

NOTE: The dies for the BAIR22-6, PAIR22-6 and BAT22-6 are interchangeable.

Hydraulic Crimping Tools

Sta-Kon®

Crimps 8 AWG–250 mcm!

Air-Operated Bench-Mounted Tool

• Convenience and Economy

The tool accepts a full range of interchangeable dies, the same as used in the TBM6 or TBM6S tools. To install the dies, simply pull the spring-loaded pin and remove the indenter die. Then, flex the retaining spring and remove the die nest.

• Shure-Stake® Mechanism Means Quality Connections

The Shure-Stake® mechanism senses inlet air pressure, and if insufficient, is designed to prevent the tool from cycling. Thus you avoid "undercrimping." An 85–90 psi air pressure source is required.

• Safety Features Increase Productivity, Reduce Downtime

Safety features include a guard over the die area, an air shutdown switch activated by a slight push with the finger, and an enclosed foot pedal designed to prevent unwanted tool operation. In addition, the tool may be bench-mounted for stability and control. For convenience when crimping large size terminals on heavy wire, the head assembly may overhang the workbench.



CAT. NO.	DESCRIPTION	PKG. QTY.
25000	This compact heavy-duty air tool installs nylon insulated Sta-Kon® terminals on wire sizes from 8 AWG to 250 mcm; non-insulated styles are also installed just as quickly and dependably; Heavy-duty air tool installs non-insulated and insulated Sta-Kon® terminals from 8 AWG to 250 mcm	1

NOTE: This tool uses the same dies as the TBM6 and TBM6S hand tools on page 26.

Hydraulic Crimping Tools



Installs insulated and non-insulated Sta-Kon® Terminals!

12-Ton Crimping Tool



CAT. NO.	DESCRIPTION	PKG. QTY.
13400	12-ton crimping tool for installing both insulated and non-insulated Sta-Kon® terminals #8 to 250 mcm (dies ordered separately)	1

Military listed and 12 tons of crimping power!

12-Ton Crimping Tool (Military Spec. MS25441-1)



13642M

CAT. NO.	DESCRIPTION	PKG. QTY.
13642M	Hydraulic-operated 12-ton tool installs #8 through 250 mcm Sta-Kon® terminals (dies ordered separately)	1

Hex Dies for Non-Insulated Sta-Kon® Terminals to Fit 13642M and 13400

DIE CAT. NO.		STA-KON® SIZE	WIRE SIZE	HEX DIE CODE
FOR TUBULAR TERM	FOR BRAZED SEAM			
11732	—	D	8	21
—	11733	D	8	24
11733	—	E	6	24
—	11734	E	6	29
11734	—	F	4	29
—	11735	F	4	33
11736	—	G	2-1	37
11737	—	H	1/0	42
11738	—	J	2/0	45
11739	—	K	3/0	50
11740	—	L	4/0	54
11771	—	M	250 mcm	62

Indent Style Dies for Sta-Kon® Brazed Seam Non-Insulated Terminals to Fit 13642M and 13400

NEST CAT. NO.	INDENT. CAT. NO.	STA-KON® SIZE	WIRE SIZE	PKG. QTY.
13643	—	D	8	1
13644	13650	E	6	1
13645	—	F	4	1

Indent Style Dies for Sta-Kon® Tubular Non-Insulated Terminals to Fit 13642M and 13400

NEST CAT. NO.	INDENT. CAT. NO.	STA-KON® SIZE	WIRE SIZE	PKG. QTY.
13654	13650	G	2-1	1
13655	13650	H	1/0	1
13656	13650	J	2/0	1
13657	13650	K	3/0	1
13658	13650	L	4/0	1
13659	13650	M	250 mcm	1

Installing Dies for Insulated Sta-Kon® Terminals to Fit 13642M (Military Listed)

DIE CAT. NO.	STA-KON SIZE	WIRE SIZE	PKG. QTY.
21707M	RD	8	1
21708M	RE	6	1
21709M	RF	4	1
21710M	RG	2-1	1
21711M	RH	1/0	1
21712M	RJ	2/0	1
21713M	RK	3/0	1
21714M	RL	4/0	1
21715M	RM	250 mcm	1

Hex Dies for Non-Insulated Sta-Kon® Terminals to Fit 13642M (Military Listed)

DIE CAT. NO.	STA-KON SIZE	WIRE SIZE	PKG. QTY.
11781M	D	8	1
11782M	E	6AN	1
11783M	F	4AN	1
11784M	G	2AN	1
11785M	H	1AN	1
11786M	J	1/0AN	1
11787M	K	2/0AN	1
11788M	L	3/0AN	1
11789M	M	4/0AN	1

Indent Style Dies for Flag Type Sta-Kon® Terminals — Use with 13642M and 13400

NEST CAT. NO.	INDENT. CAT. NO.	STA-KON® SIZE	WIRE SIZE	PKG. QTY.
21733	—	D	8	1
21734	21731	E	6	1
21735	—	F	4	1
21736	—	G	2	1
21737	—	G	1	1
21738	21732	H	1/0	1
21739**	—	J	2/0	1
21740**	—	K	3/0	1
21741**	—	L	4/0	1

** Cat. Nos. 21739, 21740 and 21741 dies must be left in 13642 head with 21732 indenter when gauging.

Hydraulic Pumps

Sta-Kon®

13600 Electric Hydraulic Pump

- Designed for use with single-acting cylinders and tools rated for 10,000 psi operation
- Supplied with metal carrying case
- 13620 hand switch and 13619 hydraulic hose, both sold separately, required for operation

Specifications

- Motor: ½ hp, 115V 50–60 Hz, 10 amps
- Pumping Capacity:
170 cu. in./min. at 100 psi
32 cu. in./min. at 1,000 psi
25 cu. in./min. at 5,000 psi
18 cu. in./min. at 10,000 psi
- Reservoir Volume: 104 cu. in. (.45 gal.)
- Basic Pump Dimension:
6" x 8" x 16"
- Weight: 25 lbs.



CAT. NO.	DESCRIPTION	PKG. QTY.
13600	Electric Hydraulic Pump — hand or foot switch and non-metallic hose (sold separately) required for operation	1

13610A Electric Hydraulic Pump with Shure-Stake® Control

- Shure-Stake® control mechanism requires 9,800 psi pump pressure before recycling to prevent under-crimping
- Designed for use with single-acting cylinders and tools rated for 10,000 psi operation
- Supplied with metal carrying case



Specifications

- Motor Rating: ½ hp, 115V, 50-60 Hz, 12.5 amps
- Pumping Capacity:
170 cu. in./min. at 100 psi
32 cu. in./min. at 1,000 psi
25 cu. in./min. at 5,000 psi
18 cu. in./min. at 10,000 psi
- Reservoir Volume: 104 cu. in. (.45 gal.)
- Basic Pump Dimension:
8½" x 10½" x 16"
- Weight: 35 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13610A	Electric Hydraulic Pump with Shure-Stake® control — hand or foot switch and non-metallic hose (sold separately) required for operation	1

13810 Heavy-Duty Electric Hydraulic Pump with Shure-Stake® Control



- Designed for perfect crimps every time in heavy-duty OEM applications
- Heavy-duty OEM two-stage pump with high flow rate
- Shure-Stake® control mechanism requires 9,800 psi pump pressure before recycling to prevent under-crimping
- Requires hand or foot control (sold separately)

Specifications

- Motor Rating: 1½ hp, 115V, 60 Hz, 23 amps
- Pumping Capacity:
235 cu.in./min. at 200 psi
6 cu.in./min. at 8,000 psi
- Reservoir Volume:
462 cu.in./2 gal.
- Dimensions (L x W x H):
10¾" x 15" x 20¾"
- Weight: 60 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13810	Heavy-duty electric hydraulic pump with Shure-Stake® control — hand or foot switch and non-metallic hose (sold separately) required for operation	1

Accessories for the pumps on this page

CAT. NO.	DESCRIPTION	PKG. QTY.
You may also need...for 13600		
13620	Hand Switch — 10 ft.	1
13589A	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1
13600S	"Sled" type stand for 13600 pump	1
You may also need...for 13610A & 13810		
13611	Hand Switch — 10 ft.	1
13612	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1



Critical information for determining the products you need!

TERMINAL TYPE	TERMINAL SERIES	PLIERS					ERGONOMIC RATCHET HAND TOOLS						RATCHET HAND TOOLS	
		WT110M	WT111M	WT112M	WT161M	WT2000	ERG2001	ERG2002	ERG2004	ERG2005	ERG2006	ERG1255	WT1377	WT145A
Nylon Terminals	RZZ			•		•	•				•			•
	RA, RAX			•		•	•							•
	RB			•		•	•							•
	RBC, RC			•		•	•							•
Nylon Butt Splices	RA			•		•	•							
	RB			•		•	•							
	RC			•		•	•							
Nylon Parallel Splices	RAA					•								
	RBB					•								
	RCC					•								
All Nylon Disconnects (except .110 size)	RA			•		•	•							
	RB			•		•	•							
	RC			•		•	•							
Heat Shrinkable Terminals, Splices, Disconnects	RAS											•		
	RBS											•		
	RCS											•		
Vinyl Terminals and Splices	RA, RAA			•		•	•							
	RB, RBB			•		•	•							
	RC, RCC, RBC			•		•	•							
				•		•	•							
Bare Terminals and Splices	A,AA	•	•	•	•	•		•						
	B,BB	•	•	•	•	•		•			•			
	C,CC	•	•	•	•	•		•			•			
Wire Joints	RB			•		•	•							
	RC			•		•								
	RP			•		•								
	PT		•		•									
Hi-Temp Terminals and Splices	NW-Rings												•	
	NW-Splices												•	
Insulation Grip	A	•												
	B	•												
.110 Disconnects	A,B	•	•	•										
	RA, RB										•			
Flag Terminals	AB								•					
	C								•					
Tefzel® Terminals and Splices	RAT, RAAT			•		•								
	RBT, RBBT			•		•								
	RCT, RCCT			•		•								
Vinyl Disconnects	RA			•		•	•							
	RB			•		•	•							
	RC			•		•	•							
Bare Disconnects	A	•	•	•	•	•		•						
	B	•	•	•	•	•		•			•			
	C	•	•	•	•	•		•			•			

Tefzel® is a registered trademark of DuPont.

Die Selection Charts



Select the die numbers you need!

DESCRIPTION	TERMINAL		HAND TOOL WITH DIES	25000 AIR TOOL TBM6 — TOGGLE HAND TOOL TBM6S — TOGGLE HAND TOOL DIE CAT. NOS.		13642M (MS25441-1) AND 13400 HYDRAULIC TOOL		
	SERIES	TYPE		NEST (STATIONARY)	INDENTOR (MOVABLE)	HEX DIES	NEST	INDENTOR
Non-Insulated Terminals and Splices	D	Tubular	ERG2005	11803	11802	11781M*	13651	13650**
	D	Tubular	ERG2008	11803	11802	11781M*	13651	13650**
	D	Tubular	WT3185/WT115A	11803	11802	11732	13651	13650**
	D	Brazed	WT3185/WT115A	11803	11802	11733	13643	13650**
	E	Tubular	ERG2005	11803	11802	1182M	13652	13650**
	E	Tubular	ERG2008	11803	11802	1182M	13652	13650**
	E	Tubular	WT3185/WT115A	11803	11802	11733*	13652	13650**
	E	Brazed	WT3185/WT115A	11805	11802	11734	13644	13650**
	F	Tubular	ERG2008	11805	11802	11783	13653	13650**
	F	Tubular	WT3185/WT115A	11805	11802	11734*	13653	13650**
	F	Brazed	WT3185/WT115A	11806	11802	11735	13645	13650**
	G	Tubular	ERG2008	11806	11802	11784M*	13654	13650**
	G	Tubular	WT3185/WT115A	11806	11802	11736	13654	13650**
	H	Tubular	ERG2008	11807	11802	11785M*	13655	13650**
	H	Tubular	WT3185	11807	11802	11785M*	13655	13650**
	H	Tubular	WT3185	11807	11802	11737	13655	13650**
	J	Tubular	WT3185	11808	11802	11786M*	13656	13650**
	J	Tubular	WT3185	11808	11802	11738	13656	13650**
	K	Tubular	—	11809	11802	11787M*	13657	13650**
	K	Tubular	—	11809	11802	11739	13657	13650**
	L	Tubular	—	11810	11802	11788M*	13658	13650**
	L	Tubular	—	11810	11802	11740	13658	13650**
M	Tubular	—	11811	11802	11789M*	13659	13650**	
M	Tubular	—	11811	11802	11771	13659	13650**	
Tefzel®† Nylon Insulated Terminals and Splices	RD	Tubular	ERG2007	11821 (Set)	—	—	21707M* (Set)	—
	RD	Brazed	—	11822 (Set)	—	—	21708M* (Set)	—
	RE	Tubular	ERG2007	11822 (Set)	—	—	21708M* (Set)	—
	RE	Brazed	—	11823 (Set)	—	—	21709M* (Set)	—
	RF	Tubular	—	11823 (Set)	—	—	21709M* (Set)	—
	RF	Brazed	—	11824 (Set)	—	—	21710M* (Set)	—
	RG	Tubular	—	11824 (Set)	—	—	21710M* (Set)	—
	RH	Tubular	—	11825 (Set)	—	—	21711M* (Set)	—
	RJ	Tubular	—	11826 (Set)	—	—	21712M* (Set)	—
	PK	Tubular	—	11827 (Set)	—	—	21713M* (Set)	—
RL	Tubular	—	11828 (Set)	—	—	21714M* (Set)	—	
RM	Tubular	—	11829 (Set)	—	—	21715M* (Set)	—	
Non-Insulated Flag Terminals	D	—	WT129	—	—	—	21733	21731
	E	—	WT129	—	—	—	21734	21731
	F	—	WT129	—	—	—	21735	21731
	G	—	WT129	—	—	—	21736	21732
	H	—	—	—	—	—	21737	21732
	J	—	—	—	—	—	21738	21732
	K	—	—	—	—	—	21739	21732
	L	—	—	—	—	—	21740	21732
M	—	—	—	—	—	21741	21732	

* Indicates military listed die.

** To order the military version, suffix the indentor catalog number with an "M" (13650M). Nest catalog number does not change.

†Tefzel® is a registered trademark of DuPont.

Stud Size and Clearance Hole Chart

STUD SIZE	2	4	6	8	10	¼	⅜	½	⅝	¾	1	1 ¼
Min. hole diam. — in.	0.92	.116	.143	.169	.196	.262	.323	.388	.453	.516	.650	.775
Min. hole diam. — mm	2.337	2.946	3.632	4.292	4.978	6.655	8.204	9.855	11.506	13.106	16.510	19.685

Manual and Battery-Powered Crimping Tools

Ergonomic Manual Installation Tools

Dragon Tooth®



- Fixed die tool
- Incorporates the ergonomically designed Comfort Crimp™ tool handles, which distribute the force more evenly across the hand
- Shure-Stake® mechanism ensures a complete crimp cycle before the tool releases
- Rubberized thermoplastic handles combine maximum friction with a soft, comfortable feel that reduces muscle tension
- Two-piece movable die nest provides easy connector removal (ERG811 has single die nest)

CAT. NO.	TOOL GAUGING	CONNECTOR	PKG. QTY.
ERG1801	.069 max.	22F, L, R-1 Series	1
ERG1802	.076 max.	22L002	1
ERG1804	.034 max.	22L004	1
ERG1806	.095 max.	22F, L, R-6 Series	1
ERG811	.103 max.	214420	1

Contact Tool Services for availability and most recent additions to the ergonomic tool series.

BAT22-6 — Battery-Powered Crimping Tool



T&B's BAT22-6 battery-powered tool is fast and portable for making high-volume and difficult-to-reach terminal installations in a snap. The BAT22-6 delivers 1.5 tons of crimping force with an easy, pushbutton trigger. The lightweight, ergonomic design minimizes the risk of repetitive motion injuries that can occur with traditional hand crimping tools. And at less than three pounds, one-hand operation is easy while still packing enough power to crimp up to 6 AWG terminals in seconds.

- Interchangeable dies can be quickly changed to crimp non-insulated and insulated terminals up to 6 AWG
- Dies are the same as our hand tools—crimps will be exactly the same between Sta-Kon® hand tools such as our ERG2001 and the BAT22-6
- 360° rotating head gives the user the added flexibility when crimping hard-to-reach connections
- Short cycle time equates to crimping times of less than two seconds
- Quick, lightweight and maneuverable
- NiCd battery operation provides long-lasting battery life to complete up to 150 crimps on a single charge
- Extra battery and charger are included with the tool, ensuring round-the-clock operation
- Battery charger provides full battery life in under an hour
- Linear crimping motion gives a symmetric, high-quality crimp every time

Included Accessories

- Sturdy, plastic carrying case for portability
- Two 9.6V NiCd batteries and battery charger
- Sturdy tray for convenient storage of crimp dies

Uses the exact dies of the Comfort Crimp line of ergonomic tools for Sta-Kon, Spec-Kon and Dragon Tooth terminals.



Specifications

- Installing Range: Up to 6 AWG
- Output Force: 1.5 tons
- Dimensions (L x W x H): 25.4" x 3.1" x 2.1"
- Battery: 9.6V NiCd
- Weight with Battery: 2 3/4 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BAT22-6	Battery Crimping Tool 1.5 Ton with 120 VAC Charger	1
Crimp Dies*		
DIE1801	22 F,L,R-1 Series	1
DIE1802	22L002	1
DIE1804	22L004	1
DIE1806	22 F,L,R-6 Series	1

Tool purchase includes crimping tool, two 9V batteries, charger and case.

* Dies sold separately.

Air-Operated Crimping Tools

Perfect for high-speed installation!

BAIR22-6 — Heavy-Duty Bench-Top Air Crimp Tool

- Bench mounted for stability and operator control
- Compact size, all-metallic construction
- Delivers 1.8 tons of crimping force at 100 psi
- Heavy-duty and installs wide range of Dragon Tooth® connectors

..... Specifications

- Installing Range: Up to 6 AWG
- Output Force: 1.8 tons
- Operating Pressure: 85 to 100 psi
- Dimensions (L x W x H): 8" x 8" x 12"
- Weight without Dies: 17 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
BAIR22-6	Equipped with Shure-Stake® Mechanism, Ensuring Full Crimp Cycle Before Release	1



BAIR22-6

Dragon Tooth®

Pneumatic power!

PAIR22-6 — Heavy-Duty Portable Air Crimp Tool

- Installs Dragon Tooth® terminals
- Hand actuated
- Delivers 1.25 tons of crimping force at 100 psi
- 3 interchangeable dies can crimp the 22xxx1, 22xxx2, and 22xxx6 series terminals

..... Specifications

- Installing Range: Up to 6 AWG
- Output Force: 1.25 tons
- Operating Pressure: 90 to 100 psi
- Dimensions (Dia. x L): 2¼" x 14"
- Weight without Dies: 2.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
PAIR22-6	Open "C" Yoke; Hand Actuated	1



PAIR22-6

Installing Dies for BAIR22-6 and PAIR22-6

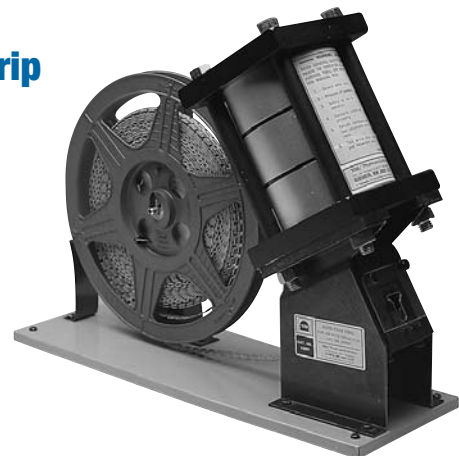
CAT. NO.	DESCRIPTION	PKG. QTY.
Crimp Dies*		
DIE1801	22 F,L,R-1 Series	1
DIE1802	22L002	1
DIE1804	22L004	1
DIE1806	22 F,L,R-6 Series	1

Continuous reel crimping!

Auto-Feed Tool for Magnet Wire Connectors on Strip

- Foot pedal contains T&B Shure-Stake® control mechanism, which ensures a full compression each time
- Insulation piercing connectors are fed on a continuous reel-mounted strip
- Dies are self-contained
- Includes foot valve, hoses and air treatment system
- Pneumatic bench-mounted foot-operated tool for crimping copper or aluminum magnet wire and copper lead wire (not solder dipped or bonded)

CAT. NO.	CONNECTOR	QUANTITY PER REEL	WEIGHT	WIDTH	DEPTH	HEIGHT
13676A	220004	9,000	19 lbs.	5"	14"	11"
13678	220001	3,000	28 lbs.	6"	18"	14"
13679	220002	3,000	28 lbs.	6"	18"	14"
13696	220006	2,500	32 lbs.	6"	18"	16"



Hydraulic Crimping Tools

Dragon Tooth

6-Ton Hydraulic Head

- Lightweight but powerful compression tool
- Dies ordered as a two-piece set



Specifications

- Output Force: 6 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 12" x 2 1/4" x 3 3/8"
- Weight without Dies: 6.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM6H	6-Ton Hydraulic Head with Steel Case	1

See die chart on page 39 for complete listing of dies and connectors used with TBM6H.

12-Ton Hydraulic Head

- 12 tons output (nominal)
- 10,000 psi max. hydraulic operating pressure
- Weighs 15 lbs.



Specifications

- Output Force: 12 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W): 14 1/2" x 3 1/4"
- Weight without Dies: 15 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13400	12-Ton Hydraulic Head (Dies Ordered Separately)	1

See die chart on page 39 for complete listing of dies and connectors used with 13400.

14-Ton Hydraulic Head

- Rugged design, made to last in field or on bench
- C-yoke provides maximum flexibility for crimping
- Operates on 10,000 psi hydraulic pumps



Specifications

- Output Force: 14 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 11 1/2" x 2 1/2" x 4 1/4"
- Weight without Dies: 10 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
13100A	Remote 14-Ton Hydraulic Head (Dies Ordered Separately)	1

See die chart on page 39 for complete listing of dies and connectors used with 13100A.

15-Ton Hydraulic Head

- Longer, slimmer profile enables easier access into tight spaces
- Wider jaw opening eases crimping of larger connectors
- Features an insulated head for safety



Specifications

- Output Force: 15 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 15 1/4" x 2 5/8" x 4 3/8"
- Weight without Dies: 15.5 lbs.

CAT. NO.	DESCRIPTION	PKG. QTY.
TBM15I	15-Ton Insulated Hydraulic Head with Steel Case	1

See die chart on page 39 for complete listing of dies and connectors used with TBM15I.

Hydraulic Pumps, Installing Dies



Electric Hydraulic Pump

- Up to 10,000 psi output pressure
- Durable construction
- Hand or foot actuated



CAT. NO.	DESCRIPTION	PKG. QTY.
13810	Electric hydraulic pump, 10000 psi with Shure-Stake mechanism feature; this is a heavy-duty OEM pump with high flow rate; 115V, 60Hz, 1½ HP, 23A; requires hand or foot control.	1
13600	This electric hydraulic pump is for use with all T&B hydraulic heads—consists of pump with pressure gauge and Pioneer type male coupler; add suffix WG to eliminate gauge; output pressure 9800 psi; order switch and hose separately.	1
<i>A remote control switch is required. Order Cat. No. 13620 for hand operation or Cat. No. 13589A for foot operation.</i>		
<i>All pumps are supplied with a metal carrying case.</i>		
13610A	Shure-Stake® electric hydraulic pump has same features as 13600, but includes the Shure-Stake® control mechanism; prevents under crimping; (pump pressure must reach 9,800 psi before recycling); requires hand or foot control; order switch and hose separately.	1
<i>A remote control switch is required to operate this unit. Use either a #13611 (hand) or #13612 (foot) switch.</i>		
You may also need...for 13600		
13620	Hand Switch — 10 ft.	1
13589A	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1
13600S	"Sled" type stand for 13600 pump	1
You may also need...for 13610A & 13810		
13611	Hand Switch — 10 ft.	1
13612	Foot Switch — 10 ft.	1
13619	10 ft. Non-Metallic Hose	1
13618	20 ft. Non-Metallic Hose	1

Tool and Die Cross Reference Chart

	TBM6H	13100A	13400	TBM15I
CONNECTOR		DIES		
204210MT	—	—	13682	—
204210S	—	13671B	13671A	13671B with 15500TB
204210SH	—	13673B	13673	13673B with 15500TB
204210-1	—	13671B	13671A	13671B with 15500TB
204210-1H	—	13673B	13673	13673B with 15500TB
204210-2	—	13671B	13671A	13671B with 15500TB
204210-3	—	13671B	13671A	13671B with 15500TB
204210-3H	—	13673B	13673	13673B with 15500TB
204210-5	—	13671B	13671A	13671B with 15500TB
204212	—	13671B	13671	13671B with 15500TB
204217	—	13671B	13671A	13671B with 15500TB
204MT14	—	—	—	—
204MT38	—	—	—	—
204T14	—	13689B	—	13689B with 15500TB
204T38	—	13689B	—	13689B with 15500TB
210214MT	—	13681B	13681	13681B with 15500TB
210214S	—	13670B	13670A	13670B with 15500TB
210214-2	—	13670B	13670A	13670B with 15500TB
210214-3	—	13670B	13670A	13670B with 15500TB
210216, 210216F	—	13670B	13670A	13670B with 15500TB
210217, 210217F	—	13670B	13670A	13670B with 15500TB
210219, 210219F	—	13670B	13670A	13670B with 15500TB
210MT14	—	—	—	—
210MT38	—	—	—	—
214420	—	—	—	—
220001	—	—	—	—
220002-TB	—	—	—	—
22000	—	—	—	—
22000	—	—	—	—
220006	—	—	—	—
220015	—	13713B	—	13713
220016	—	13713B	—	13713
220017	—	13713B	—	13713
220018	—	13713B	—	13713
220019	—	13713B	—	13713
220020	—	13713B	—	13713
220021	—	13713B	—	13713
220022	—	13713B	—	13713
220023	—	13713B	—	13713
220024	—	13713B	—	13713
220025	—	13713B	—	13713
220026	—	13713B	—	13713
22F061	—	—	—	—
22F066	—	—	—	—
22F081	—	—	—	—
22F086	—	—	—	—
22F101	—	—	—	—
22F106	—	—	—	—
22L001	—	—	—	—
22L002	—	—	—	—
22L004	—	—	—	—
22L006	—	—	—	—
22L008	6TON-MW-08	13683B	13683	13683B with 15500TB
22L009	6TON-MW-09	13684B	13684	13684B with 15500TB
22L009H	—	13686B	13686	13686B with 15500TB
22LF01	—	—	—	—
22LF06	—	—	—	—
22LM01	—	—	—	—
22LM06	—	—	—	—
22R061	—	—	—	—
22R106	—	—	—	—
22R146	—	—	—	—
314118S	—	13685B	13685	13685B with 15500TB
314123	—	13685B	13685	13685B with 15500TB
314125	—	13685B	13685	13685B with 15500TB
22L010	—	13690B	—	—

Dragon Tooth®

One-Piece and Two-Piece Connector Tools and Dies

WT440 and WT540 Ratchet Hand Tools



WT440

- Parallel-action hand tool
- MIL-specified
- Frame, with the option of interchangeable steel dies
- A versatile tool, one frame with a selection of dies covers the whole range of shield diameters in the Hexagonal Range
- Shure-Stake® mechanism: once pressing has started, the tool can be re-opened only after successful completion of the crimping cycle
- Supplied in a wooden box containing 1 frame (dies to be ordered separately)

.. Specifications ..

WT440

- Length: 8"
- Weight without dies: 1.0 lbs
- Dies: Series 4400

WT540

- Length: 10.4"
- Weight without dies: 1.19 lbs.
- Dies: Series 5450

DIE NO.	NON-INSULATED OUTER SLEEVE CONNECTOR	COLOR CODE	INSULATED OUTER SLEEVE CONNECTOR
4419	GSC-101	TIN	—
4400	GSC-128	BLUE	GSR-101
4401	GSC-149	PURPLE	GSR-128
4402	GSC-156	YELLOW	—
4403	GSC-175	BLUE	GSR-149
	GSC-187	ORANGE	—
4406	GSC-194	RED	—
	GSC-199	TIN	GSR-156
	GSC-205	YELLOW	—
4408	GSC-219	GREEN	GSR-175
4409	GSC-225	PURPLE	—
	GSC-232	—	GSR-187
4410		ORANGE	GSR-194
		—	GSR-199
		—	GSR-205
4411		YELLOW	GSR-219
	GSC-261	—	GSR-225"
4412	GSC-275	TIN	GSR-232
	GSC-281	PURPLE	—
4414	GSC-287	BLUE	—
	GSC-297	GREEN	GSR-261
4415	GSC-312	YELLOW	GSR-275
4416	GSC-327	TIN	—
		—	GSR-281
4417		ORANGE	GSR-287
	GSC-348	—	GSR-297
5450	GSC-359	PURPLE	—
5451	GSC-375	YELLOW	GSR-312
		RED	GSR-327
5452	GSC-405	RED	GSR-348
	GSC-415	BLUE	GSR-359
5453	—	—	GSR-375
5454	GSC-425	TIN	—
		—	GSR-405
5455	—	—	GSR-415
5456	GSC-460	TIN	-
5457	GSC-500	GREEN	-
5458	—	—	GSR-460
5459	—	—	GSR-500

CAT. NO.	DESCRIPTION	STD. PKG.
WT440	Ratchet Hand Tool	1
WT540	Ratchet Hand Tool	1

WT740 Standard Hand Tool



- MIL specified
- Parallel action crimp
- Metal frame with plastic grip handles
- Can be used only with plastic dies (see page 41)
- All the dies are easily interchangeable
- Shure-Stake® mechanism: once pressing has commenced, the tool can be re-opened only after successful completion of the crimping cycle
- Supplied in a wooden box containing one tool (dies to be ordered separately)

Specifications

- Dimensions (L x W x H): 10" x 3.82" x .47"
- Weight without Dies: 1.75 lbs.

CAT. NO.	DESCRIPTION	STD. PKG.
WT740	Standard Hand Tool	1

Ergonomic Hand Tool



- Ergonomic hand tool
- Robust construction: metallic frame, partially covered with plastic
- Can be used either with plastic dies (see page 41) for small volume or with metal dies (see page 41) for medium to high volume applications
- All dies are easily interchangeable
- Parallel action crimp
- Shure-Stake® mechanism: once pressing has commenced, the tool can be re-opened only after successful completion of the crimping cycle

- Supplied in a plastic case with 1 tool, 1 benchmount stand for easier use in volume production and 1 gauge (Cat. No. RSK-LEHRE) for instant selection of the die and the connector to be used

Specifications

- Dimensions of Tool (L x W x H): 8.27" x 6.1" x .98"
- Dimensions of Case (L x W x H): 9.65" x 8.27" x 2.17"
- Weight of Tool without Dies: 1.04 lbs.
- Weight of Case & Tools: 2.05 lbs.
- Weight of Kit (case, tool and dies): 2.65 lbs.

CAT. NO.	DESCRIPTION	STD. PKG.
ERG740	Ergonomic Hand Tool	1
ERG740-01	Ergonomic Hand Tool Kit. Includes plastic case with 1 tool, 1 benchmount stand for easier use in mass production, 1 RSK-LEHRE gauge for instant selection of the die, and 4 metal dies: D-101A, D-201C, D-301J, D-401M.	1

One-Piece and Two-Piece Connector Tools and Dies



Plastic Dies for ERG740 and WT740

- Ideal for small volume productions (up to a few hundred cycles maximum): prototyping, repair, etc.
- Made of high quality polymer in the same color as the corresponding connector
- Go/no-go gauges available (to be ordered separately) to inspect the wearing condition
- Product Ref. is marked on the upper part and on the lower part of the die set
- Weight — approximately .71 oz.



Metal Dies for ERG740

- For mass production and medium to high volumes
- Made of hardened steel — does not wear
- Only for the ERG740 hand tool
- Product Ref. is engraved on the upper part and on the lower part of the die set
- Marked with a dot having the same color as the corresponding connector
- Weight — approximately 2.6 oz.



Shield-Kon®

DIE CAT. NO.	DIE COLOR	SHIELD DIAMETER (IN.)	FOR CONNECTOR	GAUGE CAT. NO.	STD. PKG.
101A	Red	.050–.070	RSK 101 Red	101AG	1
101B	Red	.071–.089	RSK 101 Red	101BG	1
201C	Blue	.090–.100	RSK 202 Blue	201CG	1
201D	Blue	.101–.118	RSK 202 Blue	201DG	1
201E	Blue	.119–.131	RSK 202 Blue	201EG	1
201F	Blue	.132–.143	RSK 202 Blue	201FG	1
301G	Yellow	.144–.162	RSK 301 Yellow	301GG	1
301H	Yellow	.163–.185	RSK 301 Yellow	301HG	1
301J	Yellow	.186–.201	RSK 301 Yellow	301JG	1
401K	Green	.202–.230	RSK 401 Green	401KG	1
401L	Green	.231–.250	RSK 401 Green	401LG	1
401M	Green	.251–.275	RSK 401 Green	401MG	1
401N	Green	.276–.300	RSK 401 Green	401NG	1

DIE CAT. NO.	DIE COLOR	SHIELD DIAMETER (IN.)	FOR CONNECTOR	STD. PKG.
D-101A	Red	.050–.070	RSK 101 Red	1
D-101B	Red	.071–.089	RSK 101 Red	1
D-201C	Blue	.090–.100	RSK 202 Blue	1
D-201D	Blue	.101–.118	RSK 202 Blue	1
D-201E	Blue	.119–.131	RSK 202 Blue	1
D-201F	Blue	.132–.143	RSK 202 Blue	1
D-301G	Yellow	.144–.162	RSK 301 Yellow	1
D-301H	Yellow	.163–.185	RSK 301 Yellow	1
D-301J	Yellow	.186–.201	RSK 301 Yellow	1
D-401K	Green	.202–.230	RSK 401 Green	1
D-401L	Green	.231–.250	RSK 401 Green	1
D-401M	Green	.251–.275	RSK 401 Green	1
D-401N	Green	.276–.300	RSK 401 Green	1

Hydraulic Head Installing Tool



- 3.5 ton nominal pressure (output)
- For 2-piece Shield-Kon® terminals in the circular range
- Coupling for quick assembly
- Requires a 9,800 psi (approx. 690 bar) operating service pressure
- Quick interchangeable steel dies (to be ordered separately)
- Interlace die with 360° compression provides uniform pressure around circumference of connector

All the 2-piece Shield-Kon® in the circular range need to be crimped with the 13640 hydraulic head equipped with the appropriate die.

FOR CONNECTOR (INNER/OUTER)	DIE NOS. FOR 13640	COLOR CODE
GSB430/GSC590	GS590	Red
GSB550/GSC710	GS710	Blue
GSB670/GSC840	GS840	Gray
GSB810/GSC1010	GS1010	Brown
GSB920/GSC1130	GS1130	Green
GSB1040/GSC1250	GS1250	Pink
GSB1122/GSC1332	GS1332	Orange
GSB1224/GSC1440	GS1440	Purple
GSB1353/GSC1563	GS1563	Yellow
GSB1425/GSC1670	GS1670	Red

CAT. NO.	DESCRIPTION	STD. PKG
13640	Installing Head (order dies separately)	1
13606	Hand-Foot Pump	1
13600	Electric Hydraulic Pump	1
13620	Hand Switch	1
13589A	Foot Switch	1
13619	Hydraulic Hose 10 ft.	1
13760	Air-Operated Hydraulic Pump	1



Ty-Rap

Thomas & Betts

Cable Tie Installation Tools

The most comfortable and efficient hand tool available for installing cable ties!

Ty-Rap® Cable Tie Installation Tool

Thomas & Betts set out to develop a high performance and very reliable hand-operated cable tie installation tool. It's ergonomic with more features than any competing tool on the market. This new and improved Ty-Rap® Cable Tie Installation Tool is the result, and it fits the bill in every aspect.

Our engineers carefully considered user comfort and designed this rugged yet lightweight, well-balanced tool to reduce stress, fatigue and cumulative trauma disorders to the hand and wrist. They didn't stop with ergonomics, however. This new tool offers a flush cable tie tail-to-head trim, a longer handle stroke requiring less handle force, higher tension capabilities and much, much more!



Designed for Efficiency

- Wide cable-tie insertion gap makes it easier to insert tie into tool
- Tension adjustment wheel on nose offers easy access and quick setting — about five times faster than competing tools!
- Tension-locking mechanism maintains constant tension setting, even when tool is frequently put down and picked up again
- Flush tail-to-head cut-off eliminates sharp cable tie ends that can cut or scratch installers, wires and nearby devices
- Longest stroke length available on the market — a full 1" — means fewer handle-tensioning cycles to save time and lower installation costs

Designed for Comfort

- 360° rotating nose offers maximum flexibility in any position, especially in tight spaces — no twisting of tool required!
- Adjustable grip span adapts to fit large or small hands
- Anti-recoil cut-off mechanism reduces shock and vibration to hand and wrist
- High-low handle travel feature offers lowest handle force with highest tension in any hand-operated cable tie installation tool on the market
- Handles constructed from rugged, lightweight, high-impact polymer in a balanced design with soft, over-molded, round-edged grips for added user comfort



Specifications

- Dimensions (L x H x W): 7" x 5" x 1 1/4"
- Weight: 9 oz.

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
ERG50	Tool for 18–50 lb. (80–222 N) Cable Ties	1
ERG120	Tool for 50–120 lb. (222–533 N) Cable Ties	1

Ty-Rap®

Cable Tie Installation Tools



Lightweight. Economical. Durable.
Perfect for spot-tying!

Ty-Rap® Cable Tie Installation Tool — Light Duty

- Installs Ty-Rap® cable ties up to .301" wide by .080" thick
- Designed for use by both left- and right-handed operators
- Lightweight, high-impact polymer and steel components



Ty-Rap®

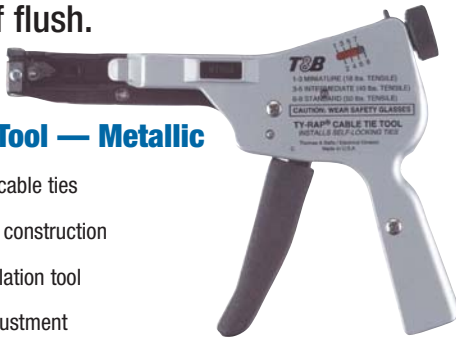
These tools cinch up the tie with a squeeze action and cut away the excess tail when twisted 180°. A specially designed pawl cuts away the tail if the tension limit is exceeded, thereby preventing the cable tie from being over-tightened.

CAT. NO.	DESCRIPTION	TIE BODY WIDTH IN./MM.	STD. PKG. QTY.
WT1-TB	Cable Tie Installation Tool, 18–50 lbs.(80–222 N)	.09–.18/2.39–4.67	1
WT2-TB	Cable Tie Installation Tool, 50–120 lbs.(222–533 N)	.18–.301/4.67–7.65	1

Cuts tail off flush.

Ty-Rap® Cable Tie Installation Tool — Metallic

- Installs Ty-Rap® cable ties
- Rugged metallic construction
- Pistol-grip installation tool
- Easy tension adjustment
- Tensions and cuts tie tail off flush



CAT. NO.	DESCRIPTION	TIE BODY WIDTH IN./MM.	STD. PKG. QTY.
WT193A	Cable Tie Installation Tool, 18–50 lbs. (80–222 N)	.09–.18/2.39–4.67	1

Get the job done right!

Ty-Rap® Heavy-Duty Installation Tool — Stainless Steel

- Installs Ty-Rap® stainless steel cable ties
- Rugged stainless steel construction
- Pistol-type installation tool
- Adjustable tension settings



CAT. NO.	DESCRIPTION	TIE BODY WIDTH IN./MM.	STD. PKG. QTY.
DAS250	Stainless Steel Installation Tool	up to .31/7.87	1

Easy tension adjustment!

Ty-Rap Heavy-Duty Installation Tool — Mil Spec Approved

- Installs Ty-Rap® cable ties
- Rugged metallic construction
- Pistol-grip installation tool
- Tensions and cuts cable tie tail off flush



CAT. NO.	DESCRIPTION	TIE BODY WIDTH IN./MM.	STD. PKG. QTY.
WT199	Installation Tool, 18–50 lbs. (80–222 N)	.09–.18/2.39–4.67	1
WT197	Installation Tool, 50–120 lbs. (222–533 N)	.18–.30/4.67–7.65	1

* Mil Spec Approved (WT199 — MS90387-1, WT197 — MS90387-2)

Makes tie installation easy!

Ty-Rap® Installation Tool — Deltec® & Stainless Steel Ties

- WT3D**
 - Installs both self-locking Ty-Rap® cable ties and lashing ties
- WT3S**
 - Installs stainless steel ties



CAT. NO.	DESCRIPTION	TIE BODY WIDTH IN./MM.	STD. PKG. QTY.
WT3D	Deltec Installation Tool	.18–.50/4.67–12.70	1
WT3S	Stainless Steel Installation Tool	up to .50/12.70	1

NOTE: Tensions only

Cable Tie Installation Tools

Quality stainless steel tools for tensioning and installing.

Tensioning Tools

- For tensioning Reusable Ties and Multi-Lok Ties



WTAE200
Cable Tie Tensioner



WTAE201
Tensioning Hook



CAT. NO.	DESCRIPTION	WEIGHT LBS./KG.	STD. PKG. QTY.
WTAE200	Cable Tie Tensioner	.6/.27	1
WTAE201	Tensioning Hook	.1/.05	1

Apply tension, cut and secure with confidence!

Installation Tools



WTJ020
Lightweight pocket-sized tool to install 1/4" and 3/8" wide Free-End Clamps. This tool also applies tension and has a built-in cutter.



WTC075
Designed to install 1/4" to 3/8" wide Free-End Clamps. The lightweight, ratchet-action tool tension cuts and secures the buckle tab.



WTC001
A drop-forged tool with tensioning capability to do all 1/4" to 3/8" Free-End Clamp sizes.

CAT. NO.	DESCRIPTION	WEIGHT LBS./KG.	STD. PKG. QTY.
WTJ020	Compact Free End Stainless Steel Cable Tie Installation Tool for 1/4" to 3/8" sizes	1.1/.50	1
WTC075	Pistol Grip Free End Stainless Steel Cable Tie Installation Tool for 1/4" to 3/8" sizes	2.6/1.18	1
WTC001	Free End Stainless Steel Cable Tie Installation Tool For All Sizes	4.4/2.00	1

High-carbon, Teflon® coated steel blade!

SR-100 Cutting Tool

- Contoured handle resists tube crushing
- Produces no "sawdust" — no need to debur
- Lightweight, low-profile and no exposed blade when stored

Use our SR-100 cutting tool for all your spiral wrap, plastic pipe and PVC conduit needs up to 1 1/4" I.D.



CAT. NO.	DESCRIPTION	STD. PKG. QTY.
SR-100	Cutting Tool	1

Teflon® is a registered trademark of the DuPont Corporation.

Ty-Rap



The wiring duct tools you need for every application!

- Duct Cutting Tools for a clean professional finish
- Finger Cutting Tools that make modifications simple
- Notching Tools for duct sidewalls to facilitate tee and corner junctions
- Bench-Mount Cutting Tools for fast, high volume duct cutting
- Rivet Installation Tools for quick duct mounting

Lightweight and durable!

Duct/Cover Cutting Tool



Improved Performance!



- All-steel construction
- Sharp cutting surface
- Replaceable blades available

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
SX-15TB	Handheld Duct Cutter	1

Cut duct fingers easily!

Finger Cutting Tool



- Rugged die-cast construction with insulated handles for a comfortable, non-slip grip
- Removes duct fingers in tight places
- Works with all slotted wiring duct
- Also cuts round and solid wall duct
- Spring loaded for ease of use

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
DK-65TB	Duct Finger Cutter	1

Cutting and Other Tools

Ty-Duct®

For fast, high volume duct cutting!

Bench-Mount Cutting Tool

- Engineered for use with Ty-Duct® plastic wiring ducts and covers
- All-steel construction lasts for years
- Adjustable gauge sets the desired length of duct
- Easy-to-read measuring indicator
- Adjustable stop for easy repeated cutting
- Sharp, easy-to-replace blades



CAT. NO.	DESCRIPTION	STD. PKG. QTY.
DC-125TB	Bench-Mount Duct Cutter	1

Notch duct sidewalls fast!

Notching Tool



- Notches sidewalls to bottom scoreline
- Facilitates tee and corner junctions
- Rugged design
- Easy to use
- Spring loaded

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
DNT-100TB	Duct Notching Tool	1

Mount ducts quickly!

Rivet Installation Tool



- Use for setting duct rivets
- Pressure on the tool head secures the rivet in place

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
08205	08200 Series Rivet Installation Tool	1

Heat Guns and Torches



Shrink-Kon®

Electric Heat Gun

- UL/CSA approved
- 450° F to 1,000° F heat range
- 120VAC 60Hz



CAT. NO.	DESCRIPTION	STD. PKG. QTY.
WT1400	Dual Temp. heat gun. 600° F/900° F, 1,300W, 120VAC 60Hz	1

Separate fuel and air flow controls enable precise adjustment of flame and temperature up to 2,500° F!

Portable Heat-Shrink Torch

- 2,500° F output capacity satisfies virtually any heat-shrink, brazing or soldering requirement
- Dual fuel- and air-flow controls enable separate adjustment of temperature and flame precision
- Brass and steel construction provides durability
- Operates on standard butane lighter fluid



Specifications

- Fuel Tank Capacity: 2.03 fl. oz.
- Operating Time (per full fuel tank): Up to 220 minutes
- Dimensions (without base): 3.9"L x 1.4"W x 5.4"H
- Weight (when filled): 9.88 oz.

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
WT-PTORCH	Shrink-Kon® Portable Heat-Shrink Torch*	1

Heavy-Duty Self-Igniting Torch



The Shrink-Kon® Torch is engineered to provide years of long, dependable and efficient service. The body is constructed of strong, lightweight cast aluminum; burn tube and conduit of stainless steel; venturi, orifice and burn tips of solid brass. Two separate burn tips are available: one for heat-shrinkable tubing, one for brazing and soldering.

- Trigger ignition lights the Shrink-Kon® Torch automatically — no flints, batteries or strikers to wear out — its piezo electric crystal provides over 30,000 ignitions before servicing, generating 24,000 volts to ignite the torch instantly
- Torch easily screws to all commercially available 14- and 16-oz. propane cylinders
- Single hand ignition makes shrinking, brazing and soldering fast, easy and efficient — at all angles, even upside down and in windy conditions
- Built-in pressure regulator provides a constant gas flow rate in all positions, so your torch won't flare out when you need it most

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
SIT-1	Shrink-Kon® Torch for 14- or 16-oz. cylinders	1
SIT-2	Adapter and 5-foot extension hose	1

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Limited Warranty for Tools

Thomas & Betts sells tools with the understanding that the user will perform all necessary tests to determine the suitability of each tool for the user's intended application. Thomas & Betts warrants that its tools will be free from defects in materials and workmanship for the period of time specified in the chart on the inside front cover. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of the product voids all warranties.

Limitations and Exclusions

The warranty to the left is the sole warranty concerning this product, and is in lieu of all other warranties express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, which are specifically disclaimed. Liability for breach of the above warranty is limited to cost of repair or replacement of the product, and under no circumstances will Thomas & Betts be liable for any indirect, special, incidental or consequential damages.

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