LITHIUM-ION
BATTERY-POWERED TOOLS

Blackburn®

Thomas&Betts®
A Member of the ABB Group

Lithium-Ion Battery Powered Tools

The Thomas & Betts line of 6- to 15-ton compression and cutting tools is equipped with lithium-ion (Li) battery technology.

- 14.4V lithium-ion battery offers lighter weight, longer run time, no memory effect, minimal discharge and rapid recharge
- Visual indication of complete crimp compression (green/orange/red)

- All tools and batteries come with a standard 5-year warranty
- Covers a wide range of applications in both the electrical and utility markets

Compression Tools

Li 6-Ton Open Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Open yoke design with rotating head allows for maximum crimping flexibility
- Protective rubber boot on head
- Rapid advance feature decreases crimp time
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM6PCR-LI	13"L x 2.5"W x 12"H	8.5 lbs. with Battery	Cu #8–600 kcmil Al #8–400 kcmil	6 Tons

Li 6-Ton Closed Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Rotating head allows maximum flexibility for crimping
- Rapid advance feature decreases crimp time
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM62PCR-LI	13"L x 2.5"W x 12"H	8.5 lbs. with Battery	Cu #8–600 kcmil Al #8–400 kcmil	6 Tons

Li 6-Ton Dieless Closed Crimp Tool

- Dieless tool with a 180˚ rotating head, uses one stationary and three movable indenting nibs, which close at 90˚ angles to each other so that the connector is squeezed equally at four strategic points
- Crimps most connectors manufactured to ANSI C119.4 specification #6–750 kcmil
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
HMC5750-LI	15"L x 2.5"W x 13"H	12.5 lbs. with Battery	Cu / Al #6-750 kcmil	6 Tons

Li 6-Ton Dieless Open Crimp Tool

- Dieless tool with a 180˚ rotating head, used to compress Homac®/Anderson® style lugs with 6 tons of force
- Crimps most connectors manufactured to ANSI C119.4 specification up to 500 kcmil
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
HMC5630-LI	14"L x 2.5"W x 13"H	11.5 lbs. with Battery	Cu / Al #8-500 kcmil	6 Tons

Compression Tools

Li Inline 6-Ton Open OD Crimp Tool

- Designed with rotating 180° jaws and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of scissor action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature which decreases crimp time
- Accepts W-style dies
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM6UCR-LI	22"L x 3.5"W x 4.5"H	8.75 lbs. with Battery	Cu #8-300 kcmil Al #8-4/0 kcmil	6 Tons

Li 12-Ton Open Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Rotating head allows maximum flexibility for crimping and a protective rubber boot on "C" head
- Rapid advance feature decreases crimp time
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM12PCR-LI	16.5"L x 3.3"W x 12.6"H	16.8 lbs. with Battery	Cu / Al #8-750 kcmil	12 Tons

Li Inline 6-Ton Open Die Crimp Tool

- Designed with rotating 180° jaws and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of scissor action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature which decreases crimp time
- Accepts W-style dies
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM6UNICR-LI	20"L x 3.5"W x 4.5"H	8.75 lbs. with Battery	Cu #8-500 kcmil Al #8-350 kcmil	6 Tons

Li 14-Ton Open Crimp Tool

- Installs up to 900 kcmil copper lugs and splices and up to 750 kcmil aluminum lugs and splices
- Rotating head allows maximum flexibility for crimping and a protective rubber boot on "C" head
- Rapid advance feature decreases crimp time
- 14.4V DC Motor

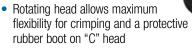| Cat. #	Dimensions	Weight	Capacity	Output
TBM14CR-LI	19"L x 3.5"W x 10.5"H	20 lbs. with Battery	Cu #8-900 kcmil Al #10-750 kcmil	14 Tons

Li Inline 6-Ton Closed Crimp Tool

- Designed with a rotating 180° head and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of parallel action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature which decreases crimp time
- Accepts W-style dies
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM62CR-LI	18"L x 3.5"W x 4.5"H	8.75 lbs. with Battery	Cu #8-600 kmil Al #8-400 kcmil	6 Tons

Li 15-Ton Closed Crimp Tool

- Installs up to 1500 kcmil copper lugs and splices and up to 1250 kcmil aluminum lugs and splices
- Rotating head allows maximum flexibility for crimping and a protective rubber boot
- Rapid advance feature decreases crimp time
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM15CR-LI	21.5"L x 3.5"W x 10.5"H	24 lbs. with Battery	Cu #8–1500 kcmil Al #10–1250 kcmil	15 Tons

Cutting Tools

Li Cutter for 750 kcmil Cu, 636 kcmil ACSR

- Designed for one-handed control of blade advancement and retraction
- Cuts up to 750 kcmil copper, 2 $\frac{1}{8}$" O.D. aluminum, and 636 kcmil ACSR
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM54CTS-LI	16"L x 4.5"W x 5"H	5.8 lbs. with Battery	Cu 750 kcmil Al 1500 kcmil ACSR 636 kcmil	N/A

Li Cutter for Up to 1500 kcmil Cu

- Designed for one-handed control of blade advancement and retraction
- Cuts up to 1000 kcmil copper and 2 $\frac{1}{8}$" O.D. aluminum (not for use on ACSR)
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM54CT-LI	16"L x 4.5"W x 5"H	5.8 lbs. with Battery	Cu 1000 kcmil Al 1500 kcmil ACSR – Do Not Cut	N/A

Li Cutter for Steel, ACSR, Al, Cu

- Designed for one-handed control of blade advancement and retraction with a rotating head to allow maximum flexibility for cutting
- Features a two-stage rapid advance ram for reduced cycles with overload bypass protection, which will pop off if the material is beyond the cutter's capacity
- Cuts up to 1-½" O.D. Copper, Aluminum, and ACSR cable
- Cuts rebar, ground rod up to $\frac{5}{8}$" and wire rope up to ¾"
- 14.4V DC Motor

Cat. #	Dimensions	Weight	Capacity	Output
TBM58PCTS-LI	17.5"L x 2.5"W x 13"H	14.6 lbs. with Battery	Wire rope ¾" Rebar $\frac{5}{8}$" Ground Rod $\frac{5}{8}$" ACSR 1-$\frac{1}{2}$" Cu/Al cable 1-$\frac{1}{2}$"	N/A

Accessories

Li Battery

- Standard battery platforms across all new Li-Ion tools
- Provides more crimps per charge than standard Ni-MH batteries
- Lithium Ion

Cat. #	Dimensions	Weight	Capacity	Output
144-BAT-LI	4.2"L x 3.3"W x 2.6"H	1.2 lbs.	3.0 Ah	14.4V DC

Adapter for Li Battery

- Converts older TBM series battery tools with poke-in style battery to the new Li-Ion battery platform, allowing for higher productivity as batteries are interchangeable across the Li-Ion tools

Cat. #	Dimensions	Weight	Capacity	Output
144-ADP-LI	N/A	N/A	N/A	N/A

Li Battery Charger

- Charger works across the standard battery platform for all new Li-Ion tools

Cat. #	Dimensions	Weight	Input Voltage	Output
144-CHR-LI	9"L x 5.7"W x 3.2"H	3.5 lbs.	100–240V AC 50/60 Hz	10.8–14.4V DC 7A 28.8V DC 3A

Tools and Dies

Dies for Standard Lugs & Splices

CONNECTOR SIZE				TBM6PCR-LI, TBM62PCR-LI, TBM62CR-LI, TBM6UNICR-LI				TBM12PCR-LI, TBM14CR-LI				TBM15CR-LI							
CODE COPPER	FLEX/24	AL/CU	COLOR CODE	DIE CAT. NO.	DIE CODE NO.	HEX-FLEX DIE CAT. NO.	HEX-FLEX DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.	HEX-FLEX DIE CAT. NO.†	HEX-FLEX DIE CODE NO.	DIE CAT. NO.‡	DIE CODE NO.	FULL DIE CAT. NO.	FULL DIE, DIE CODE NO.	HEX-FLEX DIE CAT. NO.†‡	HEX-FLEX DIE CODE NO.	HEX-FLEX FULL DIE CAT. NO.†	HEX-FLEX FULL DIE CODE NO.
8 AWG	37/24	10 AWG	RED	6TON21	21	6TON21X	21X	15520	21	15520X	21X	15520	21	15520F	21	15520X	21X		
6 AWG	61/24	8 AWG	BLUE	6TON24	24	6TON24X	24X	15522	24	15522X	24X	15522	24	15522F	24	15522X	24X		
4 AWG	91/24	6 AWG	GRAY	6TON29	29	6TON29X	29X	15527-CK	29	15527X	29X	15527-CK	29	15527F	29	15527X	29X		
2 AWG	125/24		BROWN	6TON33	33	6TON33X	33X	15528	33	15528X	33X	15528	33	15528F	33	15528X	33X		
1 AWG	140/24	4 AWG	GREEN	6TON37	37	6TON37X	37X	15513-CK	37	15513X	37X	15513-CK	37	15513F	37	15513X	37X		
1/0	225/24	2 AWG	PINK	6TON42	42	6TON42X	42X	15508	42	15508X	42X	15508	42	15508F	42	15508X	42X		
2/0	275/24		BLACK	6TON45	45	6TON45X	45X	15526	45	15526X	45X	15526	45	15526F	45	15526X	45X		
3/0	325/24		ORANGE	6TON50	50H	6TON50X	50X	15530	50	15530X	50X	15530	50	15530F	50	15530X	50X		
4/0	450/24		PURPLE	6TON54	54H	6TON54X	54X	15511	54	15511X	54X	15511	54	15511F	54	15511X	54X		
250 kcmil	550/24		YELLOW	6TON62	62H	6TON62X	62X	15510-CK	62	15510X	62X	15510-CK	62	15510F	62	15510X	62X	15662X	62X
		1 AWG	GOLD	6TON45	45			15526	45			15526	45						
		1/0	TAN	6TON50	50H			15530	50			15530	50						
		2/0	OLIVE	6TON54	54H			15511	54			15511	54						
		3/0	RUBY	6TON60	60H			15532-CK	60			15532-CK	60	15532F	60				
300 kcmil	650/24	4/0	WHITE	6TON66	66H	6TON66X	66X	15534	66	15534X	66X	15534	66	15534F	66	15534X	66X	15666X	66X
350 kcmil	775/24 (short)	250 kcmil	RED	6TON71	71H			15514-CK	71	15514X	71X	15514-CK	71	15514F	71	15514X	71X	15671X	71X
400 kcmil	775/24 (long)	300 kcmil	BLUE	6TON76	76H			15512	76	15512X	76X	15512	76	15512F	76	15512X	76X	15676X	76X
	925/24*			6TON80	80H			15517	80H	15517X	80X	15517	80H	15606	80H	15517X	80X	15606X	80X
500 kcmil		350 kcmil	BROWN	6TON87	87H			15506	87H	15506X	87X	15506	87H	15506F	87H	15506X	87X	15687X	87X
600 kcmil	1100/24	400 kcmil	GREEN	6TON94	94H			15536-CK	94H	15536X	94X	15536-CK	94H	15611	94H	15536X	94X	15611X	94X
700 kcmil	1325/24**	500 kcmil	PINK					15505	99H			15505	99H	15505F	99H			15605X	99X
750 kcmil		650 kcmil	BLACK					15515-CK	106H			15515-CK	106H	15515F	106H			15615X	106X
800 kcmil			ORANGE					15540	107H					15608	107H			15608X	107X
		700 kcmil	PURPLE											15609	112H				
900 kcmil	195/24	750 kcmil	YELLOW					15504	115H			15504	115H	15504F	115H			15604X	115X
1000 kcmil		800 kcmil	N/A											15603	125H				
		1000 kcmil	N/A											15602	140H				
														15601	150H				

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

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

† HEX-FLEX® Dies are sold separately in halves. The catalog numbers shown in the chart above are for the upper half of the die.

For the bottom half (the indenter), order one Cat. No. 6TONX for all 6TONX Series, one Cat. No. 15500X for 15500X Series Die Codes 21X-94X

and one Cat. No. 15600X for all 15600X Series Die Codes 62X-115X.

‡ These dies require adapter 15500-TB to be used in the TBM15CR-LI.

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