

**Blackburn**<sup>®</sup>

# Lithium-Ion Battery-Powered Tools



Thomas & Betts. Your best connection for innovative solutions.

**Thomas & Betts**

A Member of the ABB Group

## Lithium-Ion Battery-Powered Tools

The Blackburn® line of 6-ton to 15-ton compression and cutting tools is equipped with lithium-ion (Li) battery technology

- 14.4 V 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
- Proprietary battery platform fits all

*Each tool is supplied with a carrying case and two batteries*

### 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 insulated boot on head
- Rapid advance feature decreases crimp time
- 14.4 V DC, 3.0 Ah
- Approx. 350 crimps per full charge (based on 3/0 cable)
- Accepts W-style dies

Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM6PCR-LI</b>	13 in. x 2.5 in. x 12 in.	8.5 lb. with battery
Capacity		Output
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
- 14.4 V DC, 3.0 Ah
- Approx. 350 crimps per full charge (based on 3/0 cable)
- Compatible cutter attachment: 6152OCAT
- Accepts W-style dies

Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM62PCR-LI</b>	13 in. x 2.5 in. x 12 in.	8.5 lb. with battery
Capacity		Output
Cu #8-600 kcmil • Al #8-400 kcmil		6 tons





## Li Inline 6-Ton Open OD Crimp Tool

- Designed with a 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
- 14.4 V DC, 3.0 Ah
- Approx. 350 crimps per full charge (based on 3/0 cable)
- Compatible cutter attachments: 6UNICR-CHCU/AL  
6UNICR-CHASCR

Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM6UCR-LI</b>	22 in. x 3.5 in. x 4.5 in.	8.75 lb. with battery
Capacity		Output
Cu #8-300 kcmil • Al #8-4/0 kcmil		6 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
- 14.4 V DC, 3.0 Ah
- Approx. 350 crimps per full charge (based on 3/0 cable)
- Compatible cutter attachment: 61520CAT

Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM62CR-LI</b>	18 in. x 3.5 in. x 4.5 in.	8.75 lb. with battery
Capacity		Output
Cu #8-600 kcmil • Al #8-400 kcmil		6 tons



## Li Inline 6-Ton Open Die Crimp Tool

- Designed with a 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
- 14.4 V DC, 3.0 Ah
- Approx. 500 crimps per full charge (based on 3/0 cable)
- Compatible cutter attachments: 6UNICR-CHCU/AL  
6UNICR-CHASCR

Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM6UNICR-LI</b>	20 in. x 3.5 in. x 4.5 in.	8.75 lb. with battery
Capacity		Output
Cu #8-500 kcmil • Al #8-350 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
- 14.4 V DC, 3.0 Ah
- Approx. 150 crimps per full charge (based on 3/0 cable)



Cat. No.	Dimensions (L x W x H)
<b>TBM12PCR-LI</b>	16.5 in. x 3.3 in. x 12.6 in.
Weight	Capacity
16.8 lb. with battery	Cu/Al #8-750 kcmil
Output	
12 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
- 14.4 V DC, 3.0 Ah
- Approx. 150 crimps per full charge (based on 3/0 cable)



Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM14CR-LI</b>	19 in. x 3.5 in. x 10.5 in.	20 lb. with battery
Capacity		Output
Cu #8-900 kcmil • Al #10-750 kcmil		14 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
- 14.4 V DC, 3.0 Ah
- Approx. 150 crimps per full charge (based on 3/0 cable)



Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM15CR-LI</b>	21.5 in. x 3.5 in. x 10.5 in.	24 lb. with battery
Capacity		Output
Cu #8-1500 kcmil • Al #10-1250 kcmil		15 tons



## 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, 2-1/8 in. O.D. aluminum and 636 kcmil ACSR
- 14.4 V DC, 3.0 Ah

Cat. No.	Dimensions (L x W x H)
<b>TBM54CTS-LI</b>	16 in. x 4.5 in. x 5 in.
Weight	Output
5.8 lb. with battery	N/A
Capacity	
Cu 750 kcmil • Al 1500 kcmil • ACSR 636 kcmil	

## Li Battery

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



Cat. No.	Dimensions (L x W x H)	Weight
<b>144-BAT-LI</b>	4.2 in. x 3.3 in. x 2.6 in.	1.2 lb.
Capacity	Output	
3.0 Ah	14.4 V DC	



## Li Cutter for Up to 1500 kcmil Al

- Designed for one-handed control of blade advancement and retraction
- Cuts up to 1000 kcmil copper and 1500 kcmil aluminum (not for use on ACSR)
- 14.4 V DC, 3.0 Ah

Cat. No.	Dimensions (L x W x H)
<b>TBM54CT-LI</b>	16 in. x 4.5 in. x 5 in.
Weight	Output
5.8 lb. with battery	N/A
Capacity	
Cu 1000 kcmil • Al 1500 kcmil • ACSR – Do not cut	

## 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. No.
<b>144-ADP-LI</b>

## Li Battery Charger

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



Cat. No.	Dimensions (L x W x H)	Weight
<b>144-CHR-LI</b>	9 in. x 5.7 in. x 3.2 in.	3.5 lb.
Input Voltage	Output	
100 – 240 V AC 50/60 Hz	10.8 – 14.4 V DC 7A 28.8 V DC 3A	

## 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 1-1/2 in. O.D. copper, aluminum and ACSR cable
- Cuts rebar, ground rod up to 5/8 in. and wire rope up to 3/4 in.
- 14.4 V DC, 3.0 Ah



Cat. No.	Dimensions (L x W x H)	Weight
<b>TBM58PCTS-LI</b>	17.5 in. x 2.5 in. x 13 in.	14.6 lb. with battery
Capacity	Output	
Wire rope 3/4 in., Rebar 5/8 in., Ground Rod 5/8 in., ACSR 1-1/2 in., Cu/Al cable 1-1/2	N/A	

## Cutter Attachments

- For TBM6 Series battery operated tools



Cat. No.	Compatible Tools	Cable	Die
<b>61520CAT</b>	TBM62PCR-LI, TBM62CR-LI	Copper	D
<b>6UNICR-CHCU/AL</b>	TBM6UCR-LI, TBM6UNICR-LI	Aluminum	None required
<b>6UNICR-CHASCR</b>	TBM6UCR-LI, TBM6UNICR-LI	ACSR	None required

## Die Kits

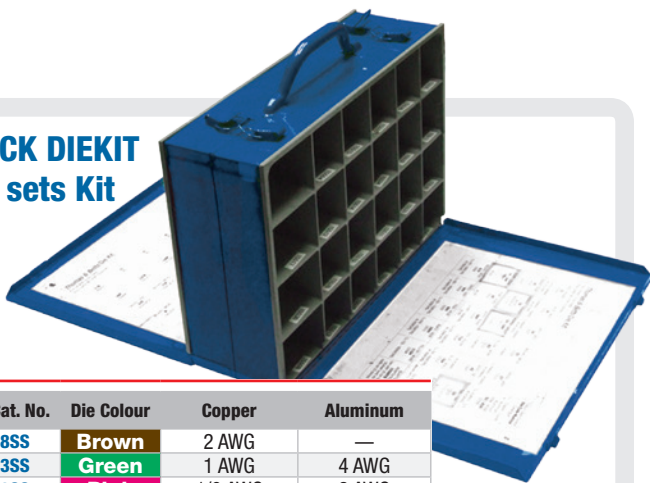
# New KITS

CONNECTOR SIZE			COLOUR CODE	TBM6HDISS		TBM6HDXSS	
Copper	Flex/24	Al		Die Cat. No.	Die Code No.	Hex-Flex Die Cat. No. †	Hex-Flex Die Code No. †
8 AWG	37/24	10 AWG	Red	6TON21SS	21	6TON21XSS	21X
6 AWG	61/24	8 AWG	Blue	6TON24SS	24	6TON24XSS	24X
4 AWG	91/24	6 AWG	Grey	6TON29SS	29	6TON29XSS	29X
2 AWG	125/24	—	Brown	6TON33SS	33	6TON33XSS	33X
1 AWG	150/24	4 AWG	Green	6TON37SS	37	6TON37XSS	37X
1/0	225/24	2 AWG	Pink	6TON42SS	42	6TON42XSS	42X
2/0	275/24	—	Black	6TON45SS	45	6TON45XSS	45X
3/0	325/24	—	Orange	6TON50SS	50H	6TON50XSS	50X
4/0	450/24	—	Purple	6TON54SS	54H	6TON54XSS	54X
250 kcmil	550/24	—	Yellow	6TON62SS	62H	6TON62XSS	62X
—	—	3/0	Ruby	6TON60SS	60H	—	—
300 kcmil	650/24	4/0	White	6TON66SS	66H	6TON66XSS	66X
350 kcmil	775/24 (Short)	250 kcmil	Red	6TON71SS	71H	—	—
400 kcmil	775/24 (Long)	300 kcmil	Blue	6TON76SS	76H	—	—
—	925/24*	—		6TON80SS	80H	—	—
500 kcmil	—	350 kcmil	Brown	6TON87SS	87H	—	—
600 kcmil	1100/24	400 kcmil	Green	6TON94SS	94H	—	—

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

† HEX-FLEX® Dies are sold separately in halves. The catalogue 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.

### EZ-CK DIEKIT Die sets Kit



Die Cat. No.	Die Colour	Copper	Aluminum
15528SS	Brown	2 AWG	—
15513SS	Green	1 AWG	4 AWG
15508SS	Pink	1/0 AWG	2 AWG
15526SS	Black	2/0 AWG	1 AWG (Gold)
15530SS	Orange	3/0 AWG	1/0 AWG (Tan)
15511SS	Purple	4/0 AWG	2/0 AWG (Olive)
15510SS	Yellow	250 kcmil	—
15534SS	White	300 kcmil	4/0 AWG
15514SS	Red	350 kcmil	250 kcmil
15506SS	Brown	500 kcmil	350 kcmil
15515SS	Black	750 kcmil	650 kcmil
15G121R	—	250–500 kcmil #2–250 kcmil	
15G86R	—	#2–250 kcmil	
15501A	—	#6 – #2 AWG	
15G126R	—	250–500 kcmil	

## Die Kits

### New KITS



## Thomas & Betts (Copper and aluminum - dual rated dies)

CONNECTOR SIZE			COLOUR CODE	15500SS-KHF 15500XSS Indentor included		15500SS-K10		15500SS-K15	
Copper	Flex /24	Al		Hex-Flex Die Cat. No. †	Hex-Flex Die Code No. †	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.
6 AWG	61/24	8 AWG	Blue			15522SS	24	15522SS	24
4 AWG	91/24	6 AWG	Grey					15527SS	29
2 AWG	125/24		Brown			15528SS	33	15528SS	33
1 AWG	150/24	4 AWG	Green					15513SS	37
1/0	225/24	2 AWG	Pink	15508XSS	42X	15508SS	42	15508SS	42
2/0	275/24		Black	15526XSS	45X	15526SS	45	15526SS	45
3/0	325/24		Orange	15530XSS	50X	15530SS	50	15530SS	50
4/0	450/24		Purple	15511XSS	54X	15511SS	54	15511SS	54
250 kcmil	550/24		Yellow	15510XSS	62X	15510SS	62	15510SS	62
		1 AWG	Gold				45		45
		1/0	Tan				50		50
		2/0	Olive				54		54
300 kcmil	650/24	4/0	White	15534XSS	66X			15534SS	66
350 kcmil	775/24 (Short)	250 kcmil	Red	15514XSS	71X	15514SS	71	15514SS	71
400 kcmil	775/24 (Long)	300 kcmil	Blue	15512XSS	76X			15512SS	76
	925/24 (Short)*		—	15517XSS	80X				
500 kcmil		350 kcmil	Brown	15506XSS	87X	15506SS	87H	15506SS	87H
600 kcmil	1100/24	400 kcmil	Green	15536XSS	94X			15536SS	94H
700 kcmil	1325/24**	500 kcmil	Pink						
750 kcmil	1600/24 (long)	650 kcmil	Black			15515SS	106H	15515SS	106H

† HEX-FLEX® Dies are sold separately in halves. The catalogue numbers shown in the chart above are for the upper half of the die. For the bottom half (the indentor), 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.

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

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

## Dies for Standard Lugs and Splices

CONNECTOR SIZE			TBM6PCR-LI, TBM62PCR-LI, TBM62CR-LI, TBM6UNICR-LI				TBM12PCR-LI, TBM14CR-LI				TBM15CR-LI							
Copper	Flex/24	Aluminium	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	610N2ISS	21	610N21XSS	21X	15520SS	21	15520SS	21	15520SS	15520F	21	15520XSS	21X		
6 AWG	61/24	8 AWG	Blue	610N24SS	24	610N24XSS	24X	15522SS	24	15522SS	24	15522SS	15522F	24	15522XSS	24X		
4 AWG	91/24	6 AWG	Grey	610N29SS	29	610N29XSS	29X	15527SS	29	15527XSS	29X	15527SS	15527F	29	15527XSS	29X		
2 AWG	125/24		Brown	610N33SS	33	610N33XSS	33X	15528SS	33	15528XSS	33X	15528SS	15528F	33	15528XSS	33X		
1 AWG	150/24	4 AWG	Green	610N37SS	37	610N37XSS	37X	15513SS	37	15513XSS	37X	15513SS	15513F	37	15513XSS	37X		
1/0	225/24	2 AWG	Pink	610N42SS	42	610N42XSS	42X	15508SS	42	15508XSS	42X	15508SS	15508F	42	15508XSS	42X		
2/0	275/24		Black	610N45SS	45	610N45XSS	45X	15526SS	45	15526XSS	45X	15526SS	15526F	45	15526XSS	45X		
3/0	325/24		Orange	610N50SS	50H	610N50XSS	50X	15530SS	50	15530XSS	50X	15530SS	15530F	50	15530XSS	50X		
4/0	450/24		Purple	610N54SS	54H	610N54XSS	54X	15511SS	54	15511XSS	54X	15511SS	15511F	54	15511XSS	54X		
250 Kcmil	550/24		Yellow	610N62SS	62H	610N62XSS	62X	15510SS	62	15510XSS	62X	15510SS	15510F	62	15510XSS	62X		15662X
		1 AWG	Gold	610N45SS	45			15526SS	45			15526SS		45				
		1/0	Tan	610N50SS	50H			15530SS	50			15530SS		50				
		2/0	Olive	610N54SS	54H			15511SS	54			15511SS		54				
		3/0	Ruby	610N60SS	60H			15532SS	60			15532SS		60				
		4/0	White	610N66SS	66H	610N66XSS	66X	15534SS	66	15534XSS	66X	15534SS	15534F	66	15534XSS	66X		15666X
350 Kcmil	775/24 (Short)	250 Kcmil	Red	610N71SS	71H			15514SS	71	15514XSS	71X	15514SS	15514F	71	15514XSS	71X		15671X
400 Kcmil	775/24 (Long)	300 Kcmil	Blue	610N76SS	76H			15512SS	76	15512XSS	76X	15512SS	15512F	76	15512XSS	76X		15676X
	925/24*		—	610N80SS	80H			15517SS	80H	15517XSS	80X	15517SS	15606	80H	15517XSS	80X		15606X
500 Kcmil		350 Kcmil	Brown	610N87SS	87H			15506SS	87H	15506XSS	87X	15506SS	15506F	87H	15506XSS	87X		15687X
600 Kcmil	1100/24	400 Kcmil	Green	610N94SS	94H			15536SS	94H	15536XSS	94X	15536SS	15661	94H	15536XSS	94X		15611X
700 Kcmil	1325/24**	500 Kcmil	Pink					15505SS	99H			15505SS	15505F	99H				15605X
750 Kcmil		650 Kcmil	Black					15515SS	106H			15515SS	15515F	106H				15615X
	1600/24		Black					15515SS	106H			15515SS		106H				106X
800 Kcmil			Orange					15540SS	107H			15540SS		107H				107X
		700 Kcmil	Purple															
900 Kcmil	195/24	750 Kcmil	Yellow					15504SS	115H			15504SS	15504F	115H				15604X
1000 Kcmil		800 Kcmil	N/A															
		1000 Kcmil	N/A															

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

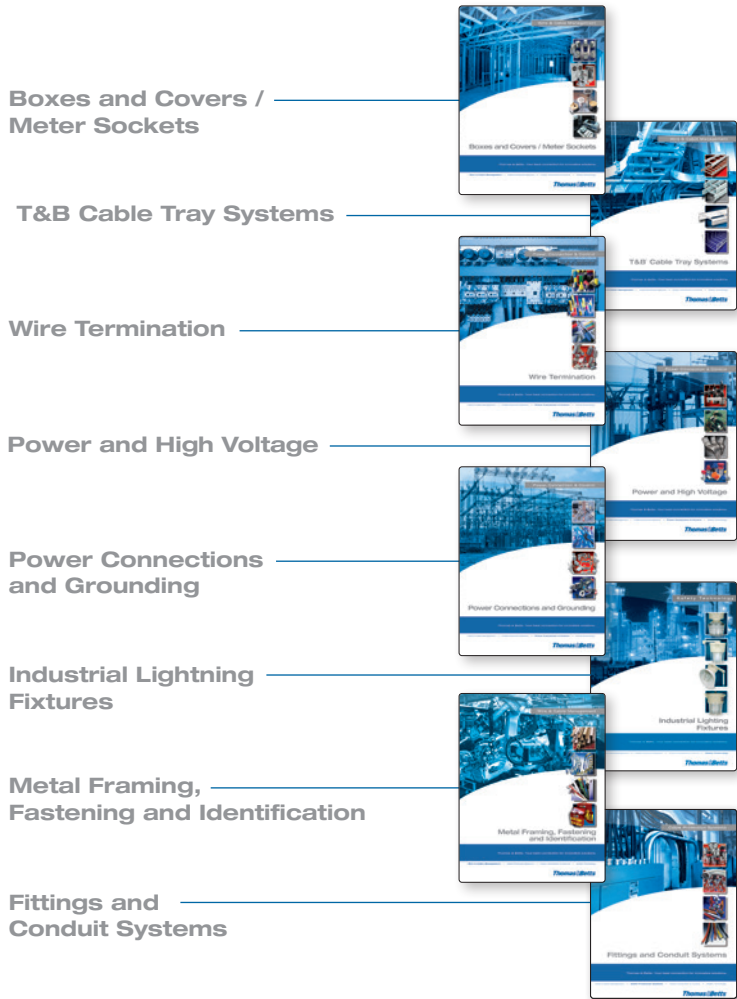
\*\*Standard barrel only. Long barrel requires Black 106H.

†HEX-FLEX® Dies are sold separately in halves. The catalogue numbers shown in the chart above are for the upper half of the die. For the bottom half (the indent), order one Cat. No. 610NXX for all 610NXX 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 15500-1B to be used in the TBM15CR-LI.



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