

PRODUCT BROCHURE

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# Lithium-ion battery-powered tools



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

- Works with the common Makita® battery platform for ease of use with other tools
- 18 V Makita® battery offers lighter weight, longer run times, no memory effect, minimal discharge and a rapid recharge
- Visual indication of complete crimp compression (green/orange/red)
- All tools and batteries come with a limited 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
- Works with Makita® LXT® 18 V lithium-ion batteries†



### 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
- Works with Makita® LXT® 18 V lithium-ion batteries†

Cat. no.	Dimensions	Weight	Capacity	Output
TBM6PCR-LI	13.7"L x 3.3"W x 10.6"H	8.3 lbs. with battery	Cu #8–600 kcmil Al #8–400 kcmil	6 tons

Cat. no.	Dimensions	Weight	Capacity	Output
TBM62PCR-LI	13.7"L x 3.3"W x 10.6"H	8.3 lbs. with battery	Cu #8–600 kcmil Al #8–400 kcmil	6 tons



### 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 that decreases crimp time\*
- Fixed “O” and “D” die, accepts W-style dies
- 14.4 V DC motor



### 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 that decreases crimp time\*
- Accepts W-style dies
- 14.4 V DC motor

Cat. no.	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

Cat. no.	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

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\* Pinch points, keep hands and other body parts away from the crimping head when crimping. Compression dies at high force can cause severe personal injury. Failure to observe this warning could result in severe injury or death.

## Compression tools



### 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 that decreases crimp time\*
- Accepts W-style dies
- Works with Makita® LXT® 18 V lithium-ion batteries†

Cat. no.	Dimensions	Weight	Capacity	Output
TBM62CR-LI	15.8"L x 3.3"W x 4.5"H	5.9 lbs. with battery	Cu #8–600 kcmil Al #8–400 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
- Works with Makita® LXT® 18 V lithium-ion batteries†

Cat. no.	Dimensions	Weight	Capacity	Output
TBM12PCR-LI	17"L x 3.6"W x 11.3"H	16.3 lbs. with battery	Cu/Al #8–750 kcmil	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
- Works with Makita® LXT® 18 V lithium-ion batteries†

Cat. no.	Dimensions	Weight	Capacity	Output
TBM14CR-LI	22"L x 3.5"W x 10.5"H	17.8 lbs. with battery	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
- Works with Makita® LXT® 18 V lithium-ion batteries†

Cat. no.	Dimensions	Weight	Capacity	Output
TBM15CR-LI	23.5"L x 3.5"W x 10.5"H	19.8 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 ½" O.D. aluminum and 636 kcmil ACSR
- 14.4 V DC motor

Cat. no.	Dimensions	Weight	Capacity
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



### 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 ½" O.D. aluminum (not for use on ACSR)
- 14.4 V DC motor

Cat. no.	Dimensions	Weight	Capacity
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

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\* Pinch points, keep hands and other body parts away from the crimping head when crimping. Compression dies at high force can cause severe personal injury. Failure to observe this warning could result in severe injury or death.

## Cutting Tools



### 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 1½" O.D. copper, aluminum and ACSR cable
- Cuts rebar, ground rod up to ⅝" and wire rope up to ¾"
- 14.4 V DC motor

Cat. no.	Dimensions	Weight	Capacity
TBM58PCTS-LI	17.5"L x 2.5"W x 13"H	14.6 lbs. with battery	Wire rope ¾" Rebar ⅝" Ground rod ⅝" ACSR 1½" Cu/Al cable 1½"

## Accessories



### Makita® LXT® 18 V lithium-ion battery†

- Equipped with Star Protection Computer Controls™ to protect against overloading, over-discharging and over-heating
- Impact-resistant outer case and shock-absorbing inner liner are engineered to protect the battery

Cat. no.	Dimensions	Weight	Capacity	Output
BAT-MK	4.2"L x 3.3"W x 2.6"H	1.2 lbs.	5.0 Ah	18 V DC



### Charger for Makita® LXT® 18 V batteries†

- Charger works across the Makita® LXT® 18 V battery platform for tools shown in this brochure†

Cat. no.	Dimensions	Weight	Capacity	Output
CHR-MK	9"L x 5.7"W x 3.2"H	1.70 lbs.	120 V AC 50–60 Hz	7.2 V DC–18 V

## Accessories



### 14.4 V lithium-ion battery

- Provides more crimps per charge than standard Ni-MH batteries
- Lithium-ion technology

Cat. no.	Dimensions	Weight	Capacity	Output
144-BAT-LI	4.2"L x 3.3"W x 2.6"H	1.2 lbs.	3.0 Ah	14.4 V DC



### Charger for 14.4 V batteries

- Charger works across the standard 14.4 V battery platform for tools shown in this brochure

Cat. no.	Dimensions	Weight	Capacity	Output
144-CHR-LI	9"L x 5.7"W x 3.2"H	3.5 lbs.	100–240 V AC 50/60 Hz	10.8–14.4 V DC 7 A 28.8 V DC 3 A



### Adapter for 14.4 V lithium-ion battery

- Converts older TBM series battery tools with poke-in style battery to the standard 14.4 V lithium-ion battery, allowing for higher productivity

Cat. no.	Dimensions	Weight	Capacity	Output
144-ADP-LI	–	–	–	–

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## Dies and die sets

### Die sets

Cat. no.	Description
TBM6HDXSS	6-ton HEX-FLEX™ stainless steel die set #8 AWG–300 kcmil
TBM6HD1SS	6-ton stainless steel hex die set #8 AWG–600 kcmil
15500SS-KHF	14-ton HEX-FLEX™ stainless steel hex die kit 22-piece, 1/0 AWG–600 kcmil
15500SS-K10	14-ton stainless steel hex die kit 10-piece, #6 AWG–750 kcmil
15500SS-K15	14-ton stainless steel hex die kit 15-piece, #6 AWG–750 kcmil



### Dies for standard lugs and splices

Connector size (AWG or kcmil)				TBM6PCR-LI, TBM62PCR-LI, TBM62CR-LI, TBM6UNICR-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.
#8	37/24	#10	Red	6TON21SS	21	6TON21XSS	21X	15520SS	21
#6	61/24	#8	Blue	6TON24SS	24	6TON24XSS	24X	15522SS	24
#4	91/24	#6	Gray	6TON29SS	29	6TON29XSS	29X	15527SS	29
#2	125/24	-	Brown	6TON33SS	33	6TON33XSS	33X	15528SS	33
#1	150/24	#4	Green	6TON37SS	37	6TON37XSS	37X	15513SS	37
1/0	225/24	#2	Pink	6TON42SS	42	6TON42XSS	42X	15508SS	42
2/0	275/24	-	Black	6TON45SS	45	6TON45XSS	45X	15526SS	45
3/0	325/24	-	Orange	6TON50SS	50H	6TON50XSS	50X	15530SS	50
4/0	450/24	-	Purple	6TON54SS	54H	6TON54XSS	54X	15511SS	54
250	550/24	-	Yellow	6TON62SS	62H	6TON62XSS	62X	15510SS	62
-	-	#1	Gold	6TON45SS	45	-	-	15526SS	45
-	-	1/0	Tan	6TON50SS	50H	-	-	15530SS	50
-	-	2/0	Olive	6TON54SS	54H	-	-	15511SS	54
-	-	3/0	Ruby	6TON60SS	60H	-	-	15532SS	60
300	650/24	4/0	White	6TON66SS	66H	6TON66XSS	66X	15534SS	66
350	775/24 (short)	250	Red	6TON71SS	71H	-	-	15514SS	71
400	775/24 (long)	300	Blue	6TON76SS	76H	-	-	15512SS	76
	925/24*	-	-	6TON80SS	80H	-	-	15517SS	80H
500	925/24	350	Brown	6TON87SS	87H	-	-	15506SS	87H
600	1100/24	400	Green	6TON94SS	94H	-	-	15536SS	94H
700	1325/24	500	Pink	-	-	-	-	15505SS	99H
750	1600/24**	600	Black	-	-	-	-	15515SS	106H
800	-	-	Orange	-	-	-	-	15540SS	107H
-	-	700	Purple	-	-	-	-	-	-
900	1925/24	750	Yellow	-	-	-	-	15504SS	115H
1000	-	800	-	-	-	-	-	-	-
-	-	1000	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

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

\*\*Flex wire size 1600/24 requires long barrel only with die code 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. 6TONXSS for all 6TONXSS series, one cat. no. 15500XSS for 15500XSS 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.

TBM12PCR-LI, TBM14CR-LI								TBM15CR-LI	
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.
15520XSS	21X	15520SS	21	15520F	21	15520XSS	21X	-	-
15522XSS	24X	15522SS	24	15522F	24	15522XSS	24X	-	-
15527XSS	29X	15527SS	29	15527F	29	15527XSS	29X	-	-
15528XSS	33X	15528SS	33	15528F	33	15528XSS	33X	-	-
15513XSS	37X	15513SS	37	15513F	37	15513XSS	37X	-	-
15508XSS	42X	15508SS	42	15508F	42	15508XSS	42X	-	-
15526XSS	45X	15526SS	45	15526F	45	15526XSS	45X	-	-
15530XSS	50X	15530SS	50	15530F	50	15530XSS	50X	-	-
15511XSS	54X	15511SS	54	15511F	54	15511XSS	54X	-	-
15510XSS	62X	15510SS	62	15510F	62	15510XSS	62X	15662X	62X
-	-	15526SS	45	-	-	-	-	-	-
-	-	15530SS	50	-	-	-	-	-	-
-	-	15511SS	54	-	-	-	-	-	-
-	-	15532SS	60	15532F	60	-	-	-	-
15534XSS	66X	15534SS	66	15534F	66	15534XSS	66X	15666X	66X
15514XSS	71X	15514SS	71	15514F	71	15514XSS	71X	15671X	71X
15512XSS	76X	15512SS	76	15512F	76	15512XSS	76X	15676X	76X
15517XSS	80X	15517SS	80H	15606	80H	15517XSS	80X	15606X	80X
15506XSS	87X	15506SS	87H	15506F	87H	15506XSS	87X	15687X	87X
15536XSS	94X	15536SS	94H	15611	94H	15536XSS	94X	15611X	94X
-	-	15505SS	99H	15505F	99H	-	-	15605X	99X
-	-	15515SS	106H	15515F	106H	-	-	15615X	106X
-	-	-	-	15608	107H	-	-	15608X	107X
-	-	-	-	15609	112H	-	-	-	-
-	-	15504SS	115H	15504F	115H	-	-	15604X	115X
-	-	-	-	15603	125H	-	-	-	-
-	-	-	-	15602	140H	-	-	-	-
-	-	-	-	15601	150H	-	-	-	-