

## Manual and power-assisted compression tools

### Smart™ Tool

- 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 each compression for positive verification that the correct tool was used.

\* Novopress System

### 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 kcmil copper or 750 kcmil 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 Tool, produce these range-taking capabilities:

Copper (AWG or kcmil)		Aluminum (AWG or kcmil)	
Standard wire size	Range taking	Standard wire size	Range taking
1/0	#6-1/0	1/0	#6-1/0
2/0	#1-2/0	2/0	#1-2/0
4/0	#2-4/0	4/0	#2-4/0
300	#2/0-300	300	#2/0-300
350	250-350	350	250-350
500	250-500	500	4/0-500
750	500-750	750	500-750

## Manual and power-assisted compression tools



Creates indent-style crimp

### TBM8-750M-1 12-ton dieless manual hydraulic Smart™ Tool

#### Specifications

- Installing range:
  - Up to 900 kcmil copper lugs and splices
  - Up to 750 kcmil aluminum lugs and splices
- Output force: 12 tons
- Dimensions (L x W): 21½ in. x 4<sup>7</sup>/<sub>32</sub> in.

Cat no.	Description	Pkg. qty.
TBM8-750M-1	12-ton dieless manual hydraulic compression tool	1



Creates indent-style crimp

### Battpac™ LT TBM8-750BSCR 12-ton dieless battery-powered Smart™ Tool

#### Specifications

- Installing range:
  - Up to 900 kcmil copper lugs and splices
  - Up to 750 kcmil aluminum lugs and splices
  - Min. of 40 crimps (4/0 AWG per battery charge)
- Output force: 12 tons
- Dimensions (L x W x H): 19½ in. x 3<sup>7</sup>/<sub>8</sub> in. x 8½ in.
- Battery: Ni-MH 14.4 V 3.0 Ah
- Weight with battery: 9 lb

Cat no.	Description	Pkg. qty.
TBM8-750BSCR	12-ton dieless battery-powered compression tool Includes carrying case, charger, two batteries and carry strap	1

## Manual and power-assisted compression tools



Creates indent-style crimp

### TBM8-750 12-ton dieless Smart™ hydraulic head

#### Specifications

- Installing range:
  - Up to 900 kcmil copper lugs and splices
  - Up to 750 kcmil aluminum lugs and splices
- Output force: 12 tons
- Operating pressure: 10,000 psi nominal
- Dimensions (L x W x H): 14½ in. x 4⅞ in. x 2⅞ in.
- Weight: 9 lb

Cat no.	Description	Pkg. qty.
TBM8-750	12-ton dieless hydraulic compression head	1

#### Options

Cat no.	Description
TBM8-750G	Field compression gauging kit for above tools
TBM8-750C20	Die set installs cat. no. 54720 copper "C" taps
TBM8-750C2530	Die set installs cat. nos. 54735, 54730 copper "C" taps
TBM8-750C3540	Die set installs cat. nos. 54735, 54740 copper "C" taps
TBM8-750C4550	Die set installs cat. nos. 54735, 54750 copper "C" taps

Cat no.	Description
TBM8-750CL	Die set installs cat. nos. 54755 through 54775 copper "C" taps
TBM8-750HG	Die set installs cat. nos. 63110 through 63118 and 63125 copper "H" taps
TBM8-750HB	Die set installs cat. nos. 63140 through 63148 copper "H" taps



Creates hex-style crimp

### TBM14M 14-ton manual hydraulic crimp tool

- Features fiberglass handles for insulation and ease of use in tight spaces
- Two-stage pump provides rapid advance for fast installation
- Uses standard ABB Color-Keyed 15500 series dies (refer to pp. 31–46)

#### Specifications

- Installing range:
  - Up to 900 kcmil copper lugs and splices
  - Up to 750 kcmil aluminum lugs and splices
  - CHT814-10 to CHT2502-6 copper H-taps
  - 63105 to 63148 aluminum H-taps
  - 54755 to 54775 C-taps
- Output force: 14 tons
- Length: 24 in.
- Weight without dies: 15.4 lb



TBM15MG

Cat no.	Description	Pkg. qty.
TBM14M	14-ton manual hydraulic crimp tool with case	1
TBM15MG	15-ton force test gauge	1

## Manual and power-assisted compression tools



### Li inline 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
- Approx. 150 crimps per full battery charge (based on 3/0 AWG cable)
- Works with MAKITA LXT 18 V lithium-ion batteries‡

### Specifications

- Capacity: Cu #8–750 kcmil, Al #8–750 kcmil
- Output force: 12-ton
- Dimensions (L x W x H): 16.5 in. x 3.3 in. x 12.6 in.
- Battery: 14.4 V DC
- Weight with battery: 16.8 lb

Cat no.	Description	Pkg. qty.
TBM12PCR-LI	Li inline 12-ton open die crimp tool	1

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