

Tools and Dies

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 Novopress

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 Blackburn® lugs and splices featuring the Color-Keyed® System, 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 AWG–300 kcmil	300 kcmil	2/0 AWG–300 kcmil
350 kcmil	250–350 kcmil	350 kcmil	250–350 kcmil
500 kcmil	250–500 kcmil	500 kcmil	4/0 AWG–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 kcmil copper lugs & splices
 - Up to 750 kcmil aluminum lugs & splices
- Output Force: 12 tons
- Dimensions (L x W): 21 1/2" x 4 7/32"
- 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 kcmil copper lugs & splices
 - Up to 750 kcmil aluminum lugs & splices
- Output Force: 12 tons
- Dimensions (L x W x H): 19 1/2" x 3 3/8" x 8 1/2"
- Battery: NiCd 14.4V 2.4Ah
- 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 kcmil copper lugs & splices
 - Up to 750 kcmil aluminum lugs & splices
- Output Force: 12 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 14 1/2" x 4 7/32" x 2 9/16"
- Weight: 9 lbs.

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