

TECHNICAL DATA SHEET - INTERACTIVE PDF

Compression Tool Head, 15 Ton Hydraulic

TBM15I, Hydraulic head

T&B Tools



15 ton hydraulic crimping head for use on compression lugs, splices, H-taps, and C-taps.

3-Part Specification:
End User Tools

Features:

- Head made of forged steel and insulated with rubber boot
- Longer, slimmer design enables easier access into tight spaces, such as in cable tray and central office applications
- Wider jaw opening eases crimping of larger lugs, C-taps and H-taps
- Uses 15600 Series dies; can also use 15500 Series dies with 15500-TB adapter

Specifications:

- Weight without Dies: 16.5 lbs
- Dimensions: 15.75" L x 2.625" W x 4.375" H
- Operating Pressure: 10,000 psi nominal
- Output Force: 15 tons
- Installing Range:
 - Up to 1500 kcmil copper lugs & splices
 - Up to 1000 kcmil aluminum lugs & splices
 - CHT814-10 to CHT750-350-1F copper H-taps
 - 63105 to 36180 aluminum H-taps
 - 54755 to 54790 C-taps

Conforms to:

- UL 486A-B when used with Color-Keyed® connectors

Crimp style, hex:

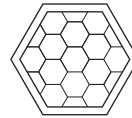



























Table data:

- Dies for standard lugs and splices
- Dies for aluminum H-Taps
- Dies for large copper C-Taps
- Dies for copper H-Taps
- Dies for high-voltage connectors

Dies for standard lugs & splices::

TBM15I, 15 ton hydraulic compression tool head

Product selection											
Conductor size			Color code	Die		Full die		Hex-Flex die		Hex-Flex® Full Die	
Copper	Flex/24	AL / CU		Part no.***	Code no.	Part no.	Code No.	Part no. †	Code No.	Part no. †	Code No.
8 AWG	37/24	10 AWG	Red 	15520	21	–	21	15520X	21X	–	–
6 AWG	61/24	8 AWG	Blue 	15522	24	15522F	24	15522X	24X	–	–
4 AWG	91/24	6 AWG	Gray 	15527-CK	29	15527F	29	15527X	29X	–	–
2 AWG	125/24	–	Brown 	15528	33	15528F	33	15528X	33X	–	–
1 AWG	150/24	4 AWG	Green 	15512-CK	37	15513F	37	15513X	37X	–	–
1/0 AWG	225/24	2 AWG	Pink 	15508	42H	15508F	42	15508X	42X	–	–
2/0 AWG	275/24	–	Black 	15526	45	15526F	45	15526X	45X	–	–
3/0 AWG	325/24	–	Orange 	15530	50	15530F	50	15530X	50X	–	–
4/0 AWG	450/24	–	Purple 	15511	54H	15511F	54	15511X	54X	–	–
250 kcmil	550/24	–	Yellow 	15510-CK	62	15510F	62	15510X	62X	15662X	62X
–	–	1 AWG	Gold 	15526	45	–	–	–	–	–	–
–	–	1/0 AWG	Tan 	15530	50	–	–	–	–	–	–
–	–	2/0 AWG	Olive 	15511	54H	–	–	–	–	–	–
–	–	3/0 AWG	Ruby 	15532-CK	60	15532F	60	–	–	–	–
300 kcmil	–	4/0 AWG	White 	15534	66	15534F	66	15534X	66X	15666X	66X
350 kcmil	775/24 (short)	250 kcmil	Red 	15514-CK	71H	15514F	71	15514X	71X	15671X	71X
400 kcmil	775/24 (long)	300 kcmil	Blue 	15512	76	15512F	76	15512X	76X	15676X	76X
–	925/24*	–	–	15517	80H	–	–	15517X	80X	15606X	80X
–	–	–	–	15606	80H	–	–	–	–	–	–
500 kcmil	–	350 kcmil	Brown 	15506	87H	15506F	87H	15506X	87X	15687X	87X
600 kcmil	1100/24	400 kcmil	Green 	15611	94H	–	–	15536X	94X	15611X	94X
–	–	–	Green 	15536-CK	94H	–	–	–	–	–	–
700 kcmil	1325/24**	500 kcmil	Pink 	15505	99H	15505F	99H	–	–	15605X	99X
750 kcmil	–	650 kcmil	Black 	15515-CK	106H	15515F	106H	–	–	15615X	106X
800 kcmil	–	–	Orange 	15608	107H	–	–	–	–	15608X	107X
–	–	700 kcmil	Purple 	15609	112H	–	–	–	–	–	–
900 kcmil	1925/25	750 kcmil	Yellow 	15504	115H	15504F	115H	–	–	15604X	115X
1000 kcmil	–	800 kcmil	–	15603	125H	–	–	–	–	–	–
–	–	1000 kcmil	–	15602	140H	–	–	–	–	–	–
–	–	–	–	15601	150H	–	–	–	–	–	–

Note: Product must be installed in accordance with applicable national and local electrical codes.

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

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











***15500 Series dies require 15500-TB adapter. 15500F for full-size die to fit TBM15I without adapter.

† 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. TBM62X for all TBM62X Series Die Codes 21X–66X, one Cat. No. 15500X for 15500X Series Die Codes 21X–94X and one Cat. No. 15600X for all 15600X Series Die Codes 62X–115X.

Dies for aluminum H-Taps:







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Product selection			
Connector Part no.		Color code	Die Part no.
63105		Orange 	15530
63110		Green 	15501A
63118		Green 	15501A
63125		Green 	15501A
63140		Blue 	15502
63148		Blue 	15502
63160		Red 	15612
63169		Black 	15620
63170		Black 	15620
63180		Black 	15620

Note: Product must be installed in accordance with applicable national and local electrical codes.

Dies for large copper C-Taps:

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







Product selection			
Connector Part no.		Color code	Die Part no.
54755		Blue 	15512
54760		Brown 	15506
54765		Pink 	15505
54770		Black 	15515-CK
54775		Yellow 	15504
54780		White 	15603
54785		–	15603
54790		–	15603

Note: Product must be installed in accordance with applicable national and local electrical codes.



Dies for copper H-Taps:

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Product selection		
Connector Part no.	Color code	Die Part no.
CHT814-10	Green 	15CA37RCH
CHT214-9	Brown 	15CA71RCH
CHT250214-8	Purple 	15CA80RCH
CHT25014-7	Purple 	15CA80RCH
CHT2502-6	Purple 	15CA80RCH
CHT50010-5	Brown 	15612CH
CHT50040-4	Brown 	15612CH
CHT75010-3	Yellow 	15620CH
CHT750350-2	Yellow 	15620CH
CHT75040-11	Yellow 	15620CH
CHT750350-1F	–	15620CHF

Note: Product must be installed in accordance with applicable national and local electrical codes.

Dies for high-voltage connectors:

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Product selection		
Adapter Type** Part no.	Non-adapter Type Part no.	Die Code no.
15CA29R	–	29R
15CA33R	–	33R
15CA37R	–	37R
15CA42R	–	42R
15CA45R	–	45R
15CA49R	–	49R
15CA54R	–	54R
15CA60R	–	60R
15CA66R	–	66R
15CA71R	–	71R
15CA76R	–	76R
15CA87R	–	87R
15CA94R	–	94R
15CA106R	–	106R
–	15C125R*	125R

Note: Product must be installed in accordance with applicable national and local electrical codes.

*To be used with TBM15I only.

**Use 15500-TB adapter with TBM15I tool.

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