

15 TON HYDRAULIC TOOL MAINTENANCE & SPARE PARTS CAT. NO. TBM15

GENERAL INFORMATION FOR USE OF TOOL

WARNING:

- Use caution to avoid crushing fingers or other body parts.
- Eye protection must be worn when using this tool.
- Do not use on energized lines.
- Do not operate the 15-Ton tool without dies and product (to be crimped) inserted.
- Follow all crimping procedures and specifications as provided with this tool and with all fittings and dies used with this tool.
- The pump used with the 15-Ton tool must have an operating pressure of 9,800 - 10,000 P.S.I. (68,600 - 70,000 kPA). A lower operating pressure will fail to develop the full tonnage required. A higher operating pressure could cause structural failure and injury to users.

IMPORTANT:

- The greatest single cause of failure for any hydraulic equipment is dirt. Extreme caution should be used to prevent the entry of this material into the unit. Wipe off all couplings and fittings before connecting to unit. Be sure that any pump to be used with the tool is clean and free of dirt and contaminants.
- Occasionally lubricate die release button assemblies. Use of a molybdenum disulfide grease is recommended.
- A small amount of weepage from the piston and pump seals is normal and required to keep moving parts lubricated. Excessive leakages indicate a need for seal replacements. Seal replacements should be done only by an authorized service center.
- Dispose of used oil in accordance with all applicable laws, rules, regulation and ordinances.

CONNECTOR SIZE*		TBM15 HYDRAULIC HEAD			COLOR CODE	HEX GAGING
COPPER	ALUMINUM	CAT. NO. SMALL DIES	CAT. NO. LARGE DIES	DIE CODE NO.		
8 AWG	10 AWG	15520	-	21	RED	.191 - .207
6 AWG	8 AWG	15522	15522F	24	BLUE	.222 - .234
4 AWG	6 AWG	15527	15527F	29	GREY	.282 - .294
2 AWG	-	15528	15528F	33	BROWN	.326 - .337
1 AWG	4 AWG	15513	15513F	37	GREEN	.369 - .383
1/0 AWG	2 AWG	15508	15508F	42H	PINK	.409 - .423
2/0 AWG	1 AWG	15526	15526F	45	BLACK/GOLD	.445 - .459
3/0 AWG	1/0 AWG	15530	15530F	50	ORANGE/TAN	.494 - .506
4/0 AWG	2/0 AWG	15511	15511F	54H	PURPLE/OLIVE	.535 - .553
250 MCM	-	15510	15510F	62	YELLOW	.613 - .631
-	3/0 AWG	15532	15532F	60	RUBY	.587 - .605
300 MCM	4/0 AWG	15534	15534F	66	WHITE	.657 - .675
350 MCM	250 MCM	15514	15514F	71H	RED	.707 - .725
400 MCM	300 MCM	15512	15512F	76	BLUE	.751 - .769
500 MCM	350 MCM	15506	15506F	87	BROWN	.861 - .879
600 MCM	400 MCM	15536	15611	94H	GREEN	.935 - .953
700 MCM	500 MCM	15505	15505F	99H	PINK	.979 - .997
750 MCM	600 MCM	15515	15515F	106H	BLACK	1.049 - 1.071
800 MCM	-	-	15608	107H	ORANGE	1.064 - 1.076
-	700 MCM	-	15609	112H	PURPLE	1.118 - 1.131
900 MCM	750 MCM	15504	15504F	115H	YELLOW	1.141 - 1.163
1000 MCM	800 MCM	-	15603	125H	-	1.239 - 1.261
-	1000 MCM	-	15602	140H	-	1.369 - 1.391

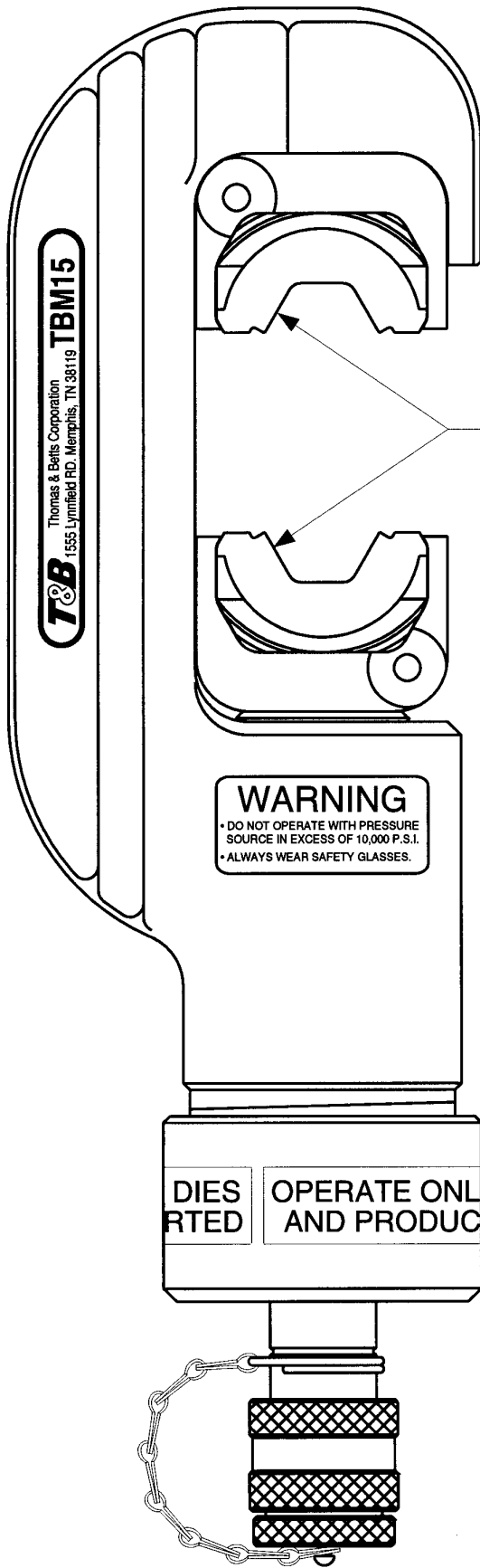
* **EXCEPTION** - CONSULT CONNECTOR STUFFER SHEETS FOR CAT. NO. SERIES 61900, 61100, 61300.

ALUMINUM H TAP DIES

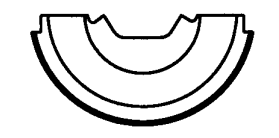
COLOR CODE	CAT. NO.	GAGING
ORANGE	15530	.494 - .506
GREEN	15501A	.831 - .853
BLUE	15502	1.189 - 1.211
RED	15612	1.163 - 1.186
BLACK	15620	1.581 - 1.599

NOTES:

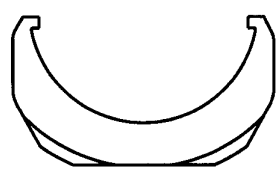
1. UPPER & LOWER DIES ARE IDENTICAL
2. DIES ARE ORDERED AS A SET (2 PIECES).
3. CAT. NO. 15500 ADAPTERS ARE ORDERED AS A SET (2 PIECES).
4. 15500 SERIES DIES REQUIRED ADAPTER CAT. NO. 15500. 15500F SERIES DIES DO NOT REQUIRE ADAPTER.



15500F & 15600 SERIES

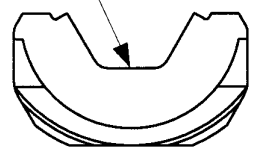


15500 SERIES



ADAPTER
15500-TB

DIE CODE NO.



15500F SERIES
AND
15600 SERIES

DIE INSERTION FOR 15 TON HYDRAULIC TOOL

Cat. No. TBM15

DESCRIPTION

Two basic die styles are used with the TBM15 Hydraulic Tool. **STYLE 1** incorporates shell type dies (15500 series) which are inserted into adapters (15500-TB) prior to insertion into the tool. **STYLE 2** dies are of solid construction and do not require adapters. (15500F & 15600 series) (SEE FIG. 1)

SHELL DIE INSERTION

Shell dies are designed to slide into the adapters. Two spring loaded balls retain and center the die. To insert, slide the die into the adapter until the leading edge contacts the balls. Then depress the leading edge and push die from the side. (SEE FIG. 2)

INSERTION INTO TOOL

STYLE 2 and **STYLE 1** shell dies with adapters fit directly into the TBM15. The die seats are machined for very close fit. Press die downward during insertion to prevent tilting or twisting. **NEVER TRY TO FORCE OR HAMMER DIE INTO MACHINED DIE SEAT.** If die does not go in easily, remove die and look for cause of interference. Burrs or nicks on die or die nest area are the most likely problem and can easily be removed with a small flat file.

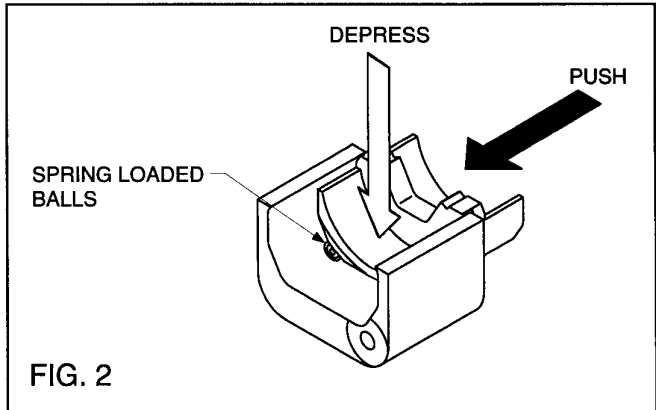


FIG. 2

For parts or service, contact the tool service center at 1-800-284-TOOL (8665)

NOTES:

WARRANTY: Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of the product for its intended use. Thomas & Betts manufactures its goods and tools in a manner to be free of defects. Should any defect occur in its goods within two years (or tools within ninety days) of the date of purchase, Thomas & Betts, upon prompt notification, will at its option, exchange or repair the goods or tools or refund the purchase price. Proof of purchase required.

Limitations and Exclusions: THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS AND EXPRESSED AND IMPLIED WARRANTIES (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE) AND UNDER NO CIRCUMSTANCES SHALL THOMAS & BETTS BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL PROPERTY DAMAGES OR LOSSES OF ANY KIND.

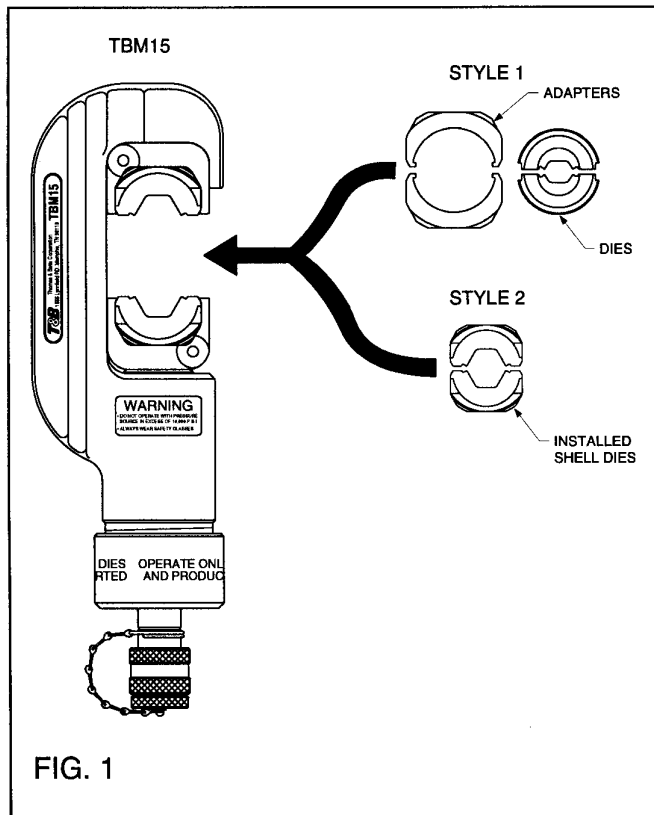


FIG. 1

Thomas & Betts Corporation
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