

Hydraulic Crimping Tool Instructions

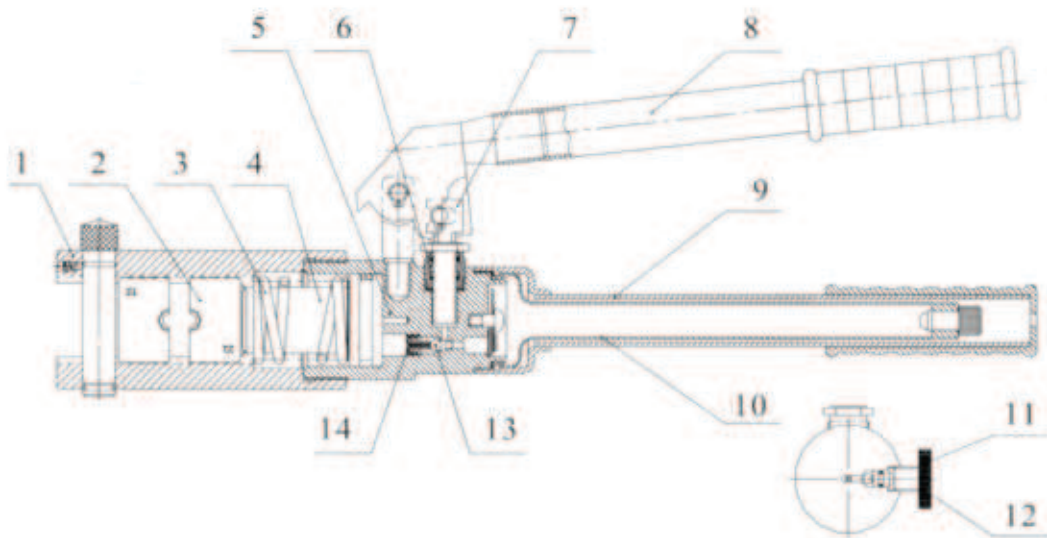
Introduction:

The 16 Ton series hydraulic crimping tool is an efficient tool for crimping lugs, terminals, or conductors on a cable. Before using the tool, please read these instructions carefully. Mounting and/or disassembling the tool should be performed only by a trained professional.

Warranty:

12 months from time of delivery under proper use.

Description:



1. Head	2. Dies	3. Piston
4. Oil Return Spring	5. Vat body	6. Stand
7. Cartridge	8. Movable handle	9. Fixed Handle
10. Oil Pipe	11. Turn Screw	12. Plug
13. Steel Ball	14. Valve	

Operation:

Select the appropriate crimping dies. Numbers stamped on the dies correspond to the cross sectional area (in mm²) of the wire to be crimped. For American Wire Gauge (AWG) sizes, use the chart below.

NEVER USE THE TOOL WITHOUT DIES!

AWG Die Selection Chart	
AWG	Die
500 MCM	240
350 MCM	185
300 MCM	150
4/0	120
3/0	95
2/0	70
1/0	70
1	50
2	35
3	25
4	25
5	16
6	16

Crimping a connector

Pull the rod at the head of the crimper out as far as it will go. Place the dies into the crimping head one at a time with the crimping surfaces of the dies facing each other. Reinsert the rod at the head back into position. Now place the cable and terminal in between the two dies. After ensuring that the handle is in the closed position (pushed towards the fixed handle) rotate the turn screw clockwise until it is tight. Pump the handle until the lower die just makes contact with the upper die. Make sure the terminal and cable are properly positioned; then pump the handle until the terminal is securely crimped. After crimping, rotate the turn screw counterclockwise to loosen the plunger and make the die retract to its original position. Tighten the turn screw upon removal of the crimp assembly to prevent leakage of the hydraulic piston.

CAUTION:

1. While crimping, make sure to not crimp the dies together past the point of initial contact. Placing excessive pressure on the dies and hydraulic piston will damage the tool.
2. Do not drop or damage the crimp head.
3. Keep the tool away from gas, acid, or alkali.
4. Ensure the tool has sufficient, clean hydraulic oil in the piston before operation.

5. Use the crimp tool in a clean working environment.
6. After crimping, apply a small amount of anti-rust grease on the crimp head.
7. Do not disassemble!
8. Only allow qualified personnel to use the tool.

Troubleshooting	
Problem	Solution
Inner Leakage	Loosen turn screw, shake the movable handle slightly, then tighten the turn screw. Repeat as necessary.
Outer Leakage	Loosen the turn screw and the Phillips head screw on it. Remove the turn screw, pull out the piston, and replace the O-ring.
Piston Loose	Make sure there is no air in the valve seal.
Piston won't retract	Examine the big spring and make sure it is not deformed, broken, or stuck.
Piston plug leaks excessively	a. Expel the air in the piston. b. Change piston plug

Technical Parameters		
Model No.	TL-ZDT-HCT-300	
Crimping Range (area)	Aluminum	16-185 mm ² (6-350MCM AWG)
	Copper	16-240 mm ² (6-500MCM AWG)
Maximum Stroke	22 mm (.866 in)	
Weight	3.4 kg (7.5 lbs)	
Crimping dies (Hexagonal)	16, 25, 35, 50, 70, 95, 120, 150, 185, 240 (mm ²)	
Hydraulic Oil	Shell Tellus T 15	