

Ratchet Crimping Tool

A **valmont** COMPANY



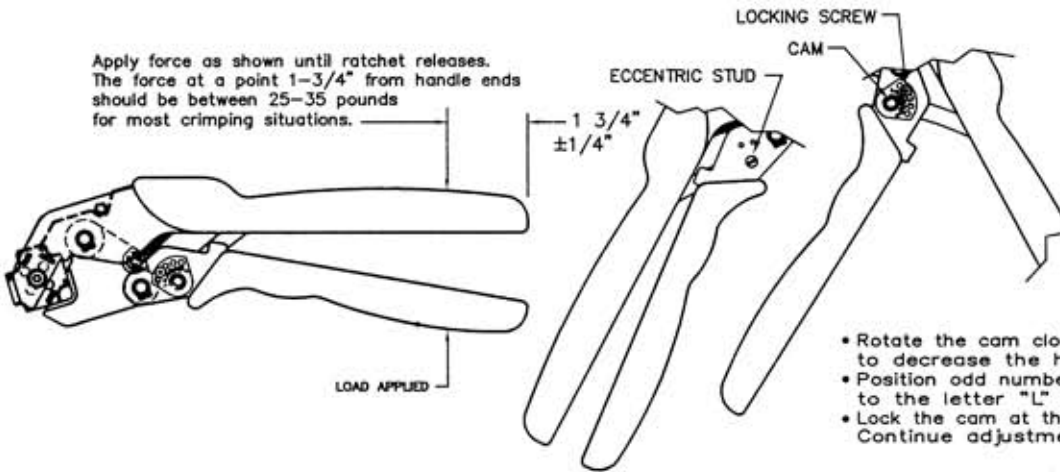
- Features:** Maximized mechanical advantage. Easy reach frame. Molded cushion grips. Rotatable die is color coded:
- Blue-6 Awg stranded
 - Gray-4 Awg stranded
 - White-3 Awg stranded
 - Brown-2 Awg stranded / 2 Solid.

Construction: Heat treated frame components, and die. Black oxide finish on frame and die. Ratchet is set to release when a 15-30 lb. load is applied approx. 1-3/4" from end of handles.

Design Criteria: Revolutionary ratchet design, characteristic of the 4200 series frame, generates more crimp force with less user effort. Handle length facilitates two-handed crimps when necessary. Overall tool length is 10.5 inches. Cushioned grips provide greater hand comfort when crimping.

Part #	Weight
RCT5000	1.60 lb.

4290 CT CRIMP TOOL FOR COPPER POWER COMPRESSION CONNECTORS OPERATING PROCEDURE



TOOL MAINTENANCE

Maintenance and inspection should be performed regularly. Tool should be wiped clean with special emphasis on the crimping cavities. Tool may be cleaned by immersing in a suitable commercial solvent or cleaner which does not attack paints or plastic material. The tool should be re-lubricated after cleaning using a light film of a medium weight oil on bearing surfaces and pivot pins. When not in use, keep handles closed to prevent objects from becoming lodged in the crimping dies and store in a clean dry area.

ECCENTRIC ADJUSTMENT

• To adjust the tool to obtain the proper force values, open the handles and remove the cam locking screw with a phillips screwdriver.

- Rotate the cam clockwise to increase handle load or counterclockwise to decrease the handle load.
- Position odd numbers on the cam in the locking screw hole adjacent to the letter "L" and even numbers adjacent to the letter "T."
- Lock the cam at the desired handle load setting and re-measure force. Continue adjustment if necessary.

- 1) Remove the cable insulation according to the manufacturer's instructions supplied with each lug or splice. Do not cut or nick the individual strands.
- 2) Open the tool to its widest point
- 3) Select the proper die setting by rotating the die, matching the cable size and colored dot at the top of the die to the cable size and colored bands of the connector.
- 4) Insert the connector between the color-coded bands closest to the tongue for lugs or between the center marks for splices
- 5) Close the tool completely. Make sure the crimp remains parallel to the color coded bands.
- 6) Repeat the crimping procedure on each lug or splice for the number of times specified by the manufacturer for the connector being used.

WARNING!

- DO NOT USE ON ALUMINUM CONNECTORS OR ALUMINUM WIRE.
- USE PROPER DIE, CONNECTOR AND WIRE COMBINATIONS.
- USE ONLY ON COPPER COLOR-CODED LUGS AND SPLICES.
- MISMATCHED COMPONENTS CAN RESULT IN AN INCOMPLETE CRIMP. AN INCOMPLETE CRIMP MAY HAVE HIGH ELECTRICAL RESISTANCE OR MAY SEPARATE, RESULTING IN A FIRE, SEVERE INJURY OR DEATH.

SELECT APPROPRIATE CRIMP NEST FROM CHART

RED	#8 AWG	Copper only	Color Coded
BLUE	#6 AWG	Copper only	Color Coded
GRAY	#4 AWG	Copper only	Color Coded
WHITE	#3 AWG	Copper only	Color Coded
BROWN	#2 AWG	Copper only	Color Coded