

[Product Catalog for Electronic Specialty Markets](#) > [3M™ Terminals, Kits & Tools](#) > [Tools & Accessories](#)
> [3M™ Ratchet Tools](#) >

3M™ Ratchet Tool TR-490



This tool crimps the barrel and insulation grip independently on no. 22-10 AWG insulated and non-insulated terminals and connectors, nylon or vinyl insulated, butted or brazed seam.

[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 70481 2
3M Id : 80-6105-8995-6

Characteristics

China RoHS - Below MCV Undetermined

EU RoHS Compliant Undetermined

3M™ Ratchet Tool TR-490

Packaging

3M Id: 80-6105-8995-6

Minimum Order Quantity: 1.0 EACH

Case Quantity: 1.0 EACH

	English	Metric
Length	11.5 INCH	0.292 MTR
Width	9.5 INCH	0.241 MTR
Height	1.0 INCH	0.025 MTR
Gross Weight	0.9000 LBS	0.4082 KG

TR-490 Ratchet

Tool Capability:

Crimps barrel and insulation grip independently on No. 22–10 AWG (0,35–6,0 mm²) insulated and non-insulated terminals and connectors: nylon or vinyl insulated, butted or brazed seam.

Crimping Dies:

Insulated No. 22–18 AWG (0,35–0,97 mm²) red color coded.

Insulated no. 16–14 AWG (1,3–25 mm²) blue color coded.

Insulated No. 12–10 AWG (4,0–6,0 mm²) yellow color coded.

Non-Insulated No. 22–14 AWG (0,35–2,5 mm²).

Non-Insulated No. 12–10 (4,0–6,0 mm²).

Field Re-calibration: Calibration adjustment of ratchet can be accomplished in the field. See calibration and maintenance instructions packaged with the tool.

Positive Closure: Ratchet requires full closure of handles to ensure proper crimp. Ratchet release lever allows removal of misplaced terminals.

Materials and Finish: Hardened steel jaws and handles with corrosion resistant finish.

Weight: 0.8 lbs.

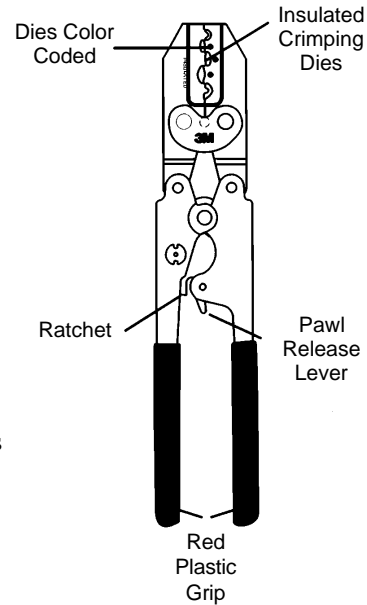
Grip: Plastic, red color.

Specifications:

Non-insulated and insulated terminals and connectors from 22–10 AWG shall be crimped with a positive action (ratchet) tool and be UL Listed with that tool. Non-insulated die shall be of an indent shape and insulated die shall be of a flat, smooth shape capable of crimping pre-insulated vinyl and nylon terminals and connectors. Dies shall be marked with the appropriate wire range and insulated dies shall be color coded: red for 22–18 AWG, blue for 16–14 AWG, and yellow for 12–10 AWG. The tool shall be compound lever type with a ratchet mechanism to insure positive closure for full crimping cycle. Tool shall be capable of field adjustment to proper calibration with common tools and materials specified in the maintenance and calibration section of the instruction booklet provided with the tool. The manufacturer shall provide a guide for maintenance procedure and instructions to field inspect for specified die gaps. Jaws

shall be hardened steel and coated with a corrosion resistant finish. Tool shall be a 3M Scotchlok TR-490.

3M Terminals and Connectors are ULListed and CSACertified with the TR-490. For specific tooling information, see Tool Selection Guide in the the Appendix.



Product	UPC (054007-)	Wire Range	Tools/ Carton	Tools/ Case
TR-490	70481	22-10	1	10