





## 3M™ Tools

Manufacturing Origin



	TH-440	TH-450	TR-482	TR-490
				
UPC	054007-30120	054007-49575	054007-11902	054007-70481
Product Name	3M™ Scissors, Style TH-440	3M™ Scissors, Style TH-450	3M™ Ratchet, Style TR-482	3M™ Ratchet, Style TR-490
Description	High carbon, heat-treated steel crimping tool that has a unique design that provides a high strength/weight ratio that crimps a broad range of 22-10 AWG terminals and connectors.	One of the most versatile heavy-duty tools 3M has offered. It is made of high-strength, heat-treated carbon steel.	This tool crimps the barrel and insulation grip simultaneously on 22–10 AWG insulated terminals and connectors. The 3M™ Ratchet Style TR-482 will crimp nylon or vinyl insulated, butted or brazed seam terminals and connectors.	This tool crimps the barrel and insulation grip independently on 22–10 AWG insulated and non-insulated terminals and connectors, nylon or vinyl insulated, butted or brazed seam.
Range	22-10 AWG	26-6 AWG	22-10 AWG	22-10 AWG