



PRO-CRIMPER II Hand Tool

Catalog
82276
Revised 7-99

Product Facts

- Ratchet control provides complete crimping cycle
- Emergency ratchet release
- Angled head provides a comfortable hand and wrist position
- One tool with over 75 interchangeable die sets can crimp many different types of connectors
- Accommodates multiple terminal sizes in one die set
- Precision construction of durable high-carbon steel
- Extra strength pivot pins provide greater durability
- Produced under a Quality Management System certified to ISO 9001

A copy of the certificate is available upon request.



Technical Documents

Instruction Sheets

P/N	IS 408-	P/N	IS 408-
58433-1	9140	58630-1	4453
58433-2	9159	58663-1	4476
58433-3	9252	90546-1	9883
58433-4	9671	90547-1	9884
58448-2	9357	90548-1	9885
58495-1	9819	90574-1	9886
58499-1	9830	90575-1	9887
58500-1	9877	90683-1	9935
58501-1	9876	90684-1	9934
58506-3	2835	90758-1	9938
58514-1	9973	90759-1	9962
58517-1	4064	90760-1	9963
58519-1	9917	90800-1	4007
58524-1	9993	90869-1	9964
58525-1	9994	90870-1	9965
58529-1	9999	90871-1	9966
58530-1	4005	90872-1	9967
58531-1	9657	217211-1	4113
58531-2	9657	217212-1	4145
58541-1	4051	224933-1	4160
58546-1	4047	318450-1	4218
58548-1	4031	318451-1	4217
58551-1	4090	318452-1	4219
58558-1	4091	354940-1	9930
58559-1	4116	492623-1	4457
58560-1	4093	492782-1	4471
58564-1	4075	503568-1	9860
58583-1	4165	503699-1	4066
58621-1	4273	503911-1	4159
58622-1	4291	679304-1	4070
58628-1	4452		



The PRO-CRIMPER II Hand Tool provides the versatility of general-purpose service tools along with the reliability and ease of use of many premium-grade tools.

For versatility, all 75 die sets are interchangeable, including those for open-barrel contacts and terminals. Additionally, many of these die sets have multiple cavities for crimping a variety of contact or terminal sizes.

For reliability, the tool is constructed of durable high-carbon steel with extra-strength pivot pins.

And, for user convenience, the PRO-CRIMPER II Hand Tool particularly excels.

Ratchet control is provided for complete crimp cycling; this helps eliminate partial crimps. Also, an emergency ratchet release allows the user to open the tool jaws at any time during the crimp cycle.

To reduce handle force, the linkage was designed to match the forces required to crimp our largest insulated terminal. The result is dramatically less hand force than comparable tools. Also, the angled head and specially designed handles reduce hand stretch and provide comfortable operation.

Locators are mounted on pin-and-socket style tools. They help properly locate the contact in the die set, provide a wire stop, and help minimize contact rotation and bending during crimping.

The PRO-CRIMPER II Hand Tool is ideally suited for R&D prototyping, networking applications, and commercial, industrial, and institutional maintenance work.

Need more information?

For information specifically about tooling, call the AMP Tooling Assistance Center at **1-800-722-1111**.

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MONTROSE-Trademark of MONTROSE Products Co.

**Connector/Terminal-to-Tool Reference**

Product Family	Catalog Number ¹	AMP® Product	RG/U Cable ² or Wire Size	Termination Type/Style	Part Number	
					Tool Frame P/N 354940-1 with Die Set	Die Set Only
Coaxial Connectors	82074	50 Ohm BNC and TNC	RD 316, 180, 195, Belden 8218	"O"/Commercial	—	58539-1
			58, 62, 59	"O"/Commercial	58433-1	58435-1
				Hex/Commercial	58433-2	58436-1
			Belden 9248, 9114	"O"/Commercial	—	58539-1
			174, 188, 316, 179, 161, 187	"O"/Commercial	318450-1	318450-2
			62, 59	"O"/Commercial	—	58435-1
		50 Ohm BNC	Belden 9907, 89907, Comm/Scope 2104	"O"/Commercial	318452-1	318452-2
			174, 188, 316, 179, 161, 187	Hex/Commercial	—	58436-3
			62, 59, Belden 9104, 9112	"O"/Commercial & Military	—	58537-1
			Belden 8281, 9141	Hex/Commercial	—	58436-2
				"O"/Commercial & Military	—	58538-1
			180, 195, Belden 8218, 9248, 9114	"O"/Commercial	—	58539-1
		75 Ohm BNC and TNC	58	"O"/Military	—	220189-3
			62, 59	"O"/Commercial	—	58536-1
		75 Ohm BNC	6, Belden 8281	"O"/Commercial	—	58538-1
			179, 161, 187	"O"/Commercial	318451-1	318451-2
				Hex/Commercial	58531-2	58425-2
			62, 59	Hex/Commercial	58531-1	58425-1
			Double Braid 59, Belden 8281, 9141	Hex/Commercial	58531-3	58425-3
			Belden 9248, 9114	"O"/Commercial	—	58536-1
		50 and 75 Ohm BNC	Belden 8218	"O"/Commercial	—	58174-1
			6, Belden 8281	"O"/Commercial	—	58538-1
		50 Ohm N	58, 62, 59	Hex/Commercial	58433-2	58436-1
		Miniature UHF	8, 213, 11, 216, 9, 214	Hex/Commercial	58501-1	58485-1
			58	Dual Crimp	58506-3	220196-1
		50 Ohm SMB	174, 316, 188, 179, 161, 187, RD 316, 188 Double Braid	Hex/Commercial	58500-1	58489-1
				Hex/Military	58499-1	58483-1
		50 and 75 Ohm Consumer BNC	178, 196, 174, 316, 188, 179, 161, 187	Hex/Commercial	—	58046-1
			58, 62, 59	"F" / "O"	58558-1	58558-2
		Series F CATV Plugs	174, 316, 188, 179, 161, 187	"F" / "O"	58559-1	58559-2
			58, 6, 7	Hex/Commercial	58621-1	58621-2
			.259, .324, .384 [6.6, 8.2, 9.8] Dia.			
			59, 6, 7	Hex/Commercial	58622-1	58622-2
		Braid-Pic Braid Termination	.290, .343 [7.4, 8.7] Dia.			
			59, 6	Hex/Commercial	58663-1	58663-2
			.360 [9.1] Dia.			
Terminals and Splices	82042	Insulated Terminals and Splices (PIDG and PLASTI-GRIP)	58, 62, 59	—	—	220195-1
			22-16 AWG [0.3-1.3 mm ²]			
			16-14 AWG [1.3-2.0 mm ²]	—	58433-3 ³	58423-1 ³
	65505	Uninsulated Terminals and Splices (SOLISTRAND)	12-10 AWG [3.0-5.0 mm ²]	—	58546-1	58545-1
	65472	Closed End Splices	ECV-ECN 18-16 AWG [0.8-1.3 mm ²]	—	217212-1	217212-2
			ECN 18-10 AWG [0.8-5.0 mm ²]			
			ECV-ECN 18-10 AWG [0.8-5.0 mm ²]			
Receptacles and Tabs	82004	Spare Wire Caps	.048-.225 [1.22-5.72] Ins. Dia.	—	58573-1	—
		FASTON 250 Series Recpt.	18-14 AWG [0.8-2.0 mm ²]	—	58524-1	58524-2
			14-10 AWG [2.0-5.0 mm ²]	—	58525-1	58525-2
		Ultra-Fast FASTON (Straight)	.110/.125 Recpt. .187/.250 Recpt., .250 Tabs	—	58628-1	58628-2
			.250 Recpt.	—	58630-1	58630-2

¹ Request catalog for detailed product information.² Coaxial cable of similar size can be crimped. Request Catalog 82074 for a complete listing of possible cable sizes.³ Not for use with PIDG FASTON receptacles; crimp not approved by UL or CSA.

**Connector/Terminal-to-Tool Reference** (Continued)

Product Family	Catalog Number ¹	AMP® Product	Cable or Wire Size	Part Number	
				Tool Frame P/N 354940-1 with Die Set	Die Set Only
Fiber Optic Connectors	82164 and 296355	FSMA and ST-Style (S.S.) Connectors (504XXX Series only)	3.0 mm Jacket Dia.	58551-1*	58552-1
		ST-Style, FC Type, D4 and AMP® SC Connectors	3.0 mm Jacket Dia.	58433-4*	58424-1
		ST-Style (Ceramic) Connectors	3.8 mm Jacket Dia.	— *	503890-1
		FC Type and AMP® SC Connectors (Next Generation)	3.0 mm Jacket Dia.	503911-1**	503910-1
		FSD, FSD MC and RSD Connectors; FSD Breakout Kit	DUALAN and LDD	58519-1*	58510-1
		LightCrimp XTC Connectors (Ceramic/Polymer/S.S.)	3.0 mm Jacket Dia.	503568-1*	503567-1
		LightCrimp SC (Ceramic) Connectors	3.0 mm Jacket Dia.	503699-1*	503698-1
	1307099	ST-Style	3.0 mm Jacket Dia.	492623-1***	492622-1
		LightCrimp Plus AMP® SC	3.0 mm Jacket Dia.	492782-1***	492783-1
	—	Multimate Contacts	1 mm Plastic Fiber, 2.2 mm Jacket Dia.	217211-1	217211-2
Pin and Socket Connectors	82068	D-Subminiature 20 DF Pin and Socket Contacts (AMPLIMITE)	28-24 AWG [0.08-0.2 mm ²] 24-20 AWG [0.2-0.6 mm ²]	58448-2	58448-3
		D-Subminiature 22 DF Pin and Socket Contacts (AMPLIMITE)	28-22 AWG [0.08-0.3 mm ²]	90800-1	90800-2
		Type II Pin and Socket Contacts	24-14 AWG [0.2-2.0 mm ²]	58541-1	58541-2
		Type III+ and Type VI Pin and Socket Contacts	28-24 AWG [0.08-0.2 mm ²] 24-20 AWG [0.2-0.6 mm ²] 18-16 AWG [0.8-1.4 mm ²]	58495-1	58495-2
		.093 Soft Shell Commercial Pin and Socket Contacts	24-18 AWG [0.2-0.9 mm ²] 20-14 AWG [0.6-2.0 mm ²]	90872-1 90871-1	90872-2 90871-2
		.062 Soft Shell Commercial Pin and Socket Contacts	30-24 AWG [0.05-0.2 mm ²] 24-18 AWG [0.2-0.9 mm ²]	90870-1 90869-1	90870-2 90869-2
	82181	MR Pin and Socket Contacts	26-18 AWG [0.13-0.9 mm ²] 24-18 AWG [0.2-0.9 mm ²]	58514-1 90548-1	58514-2 90548-2
		Universal MATE-N-LOK II and Universal MATE-N-LOK Pin and Socket Contacts	20-14 AWG [0.6-2.0 mm ²] .060-.130 [1.52-3.30] Ins. Dia. 20-14 AWG [0.6-2.0 mm ²] .130-.200 [3.30-5.08] Ins. Dia.	90546-1 90547-1	90546-2 90547-2
		Mini-Universal MATE-N-LOK Pin and Socket Contacts	12-10 AWG [3-5 mm ²] 26-22 AWG [0.13-0.3 mm ²] 22-18 AWG [0.3-0.9 mm ²] or Two 22 AWG 20-16 AWG [0.6-1.4 mm ²] or Two 20 AWG	58530-1 90758-1 90759-1 90760-1	58530-2 90758-2 90759-2 90760-2
		Commercial MATE-N-LOK Pin and Socket Contacts	24-18 AWG [0.2-0.9 mm ²] 20-14 AWG [0.6-2.0 mm ²]	90574-1 90575-1	90574-2 90575-2
		Dynamic Series D-3 Contacts	24-20 AWG [0.2-0.56 mm ²] 20-16 AWG [0.5-1.42 mm ²]	90683-1 90684-1	90683-2 90684-2
		CST-100 Contacts	26-22 AWG [0.13-0.3 mm ²]	58517-1	58517-2
	65481	AMPSEAL Automotive Receptacles	20-16 AWG [0.5-1.25 mm ²]	58529-1	58529-2
		AMP SUPERSEAL 1.5 SERIES Contacts	0.5-1.5 mm ²	58583-1	58583-2
	124962	EI Series Receptacle Contacts	26-20 AWG [0.13-0.6 mm ²]	58548-1	—
		Universal Power Contacts	26-16 AWG [0.13-1.4 mm ²]	58564-1	—
	82066	Modular Plugs (10 Pos.)	28-24 AWG [0.08-0.2 mm ²]*	58560-1	58560-2
		Modular Plug Strain Relief	.200 [5.08] Max. Ins. Dia.	—	852681-1
PC Card Connectors	65701	INFOPORT Series III Shield Kit	.135-.150 [3.43-3.81] Ins. Dia.	224933-1	224933-2
Universal Data Connector Kits	82164	AMP® Crimp Ring	Type 1, 2, 6, 9 and MONTROSE	—	58450-1

¹ Request catalog for detailed product information.* Terminates cable with 24 AWG [0.2 mm²] conductors with .039 [0.99] Max. O.D.

* Tool Frame Part No. 58532-1.

** Tool Frame Part No. 58588-1.

*** Tool Frame Part No. 58532-2.



Hand Tool Kits



PRO-CRIMPER II Hand Tool PIDG and PLASTI-GRIP Terminal Kit No. 55823-1

Includes hand tool (Part No. 58433-3), 225 insulated ring and spade terminals in 12-10, 16-14 and 22-16 AWG [3.0-5.0, 1.3-2.0 and 0.3-1.3 mm²] wire sizes.



PRO-CRIMPER II Hand Tool BNC Premises Wiring Kit No. 58477-1

Includes hand tool (Part No. 58433-1), plugs—5 RG-58, 10 RG-59/62, 5 RG-58 plenum and RG-59/62 plenum sizes; adapters—2 jack-to-jack and 2 “T”.



Carrying Case (Empty) Part No. 679223-1

Includes two empty storage boxes for die sets.

Accessories

PRO-CRIMPER II Hand Tool Repair Kit No. 679221-1

Includes retaining rings, handle return spring, pawl spring, pivot pins, pawl pin, ratchet pawl, die pins, nut and die set screws.

Head Assembly for PRO-CRIMPER II Die Sets Part No. 679304-1

For use with 626 Pneumatic Tool System. Request Catalog 124208 for a listing of available Power Unit options.



Wire and Cable Strippers

Wire Stripper Part No. 601827-2

Instruction Sheet 408-9686

Overall Length — 8 [200]

■ 22-12 AWG [0.3-3 mm²]

(Stripping Jaws P/N 1-601827-2)



Cable Stripper Part No. 606700-1

Instruction Sheet 408-9688

[Note: One replacement blade (Part No. 606701-1) is inside the handle of every new stripper.]

Overall Length — 5.5 [140]

- Strips cable diameters up to 1 [25.4]
- Blade depth adjustable
- Blade angle changeable



Coaxial Cable Stripper

For Use with Connector Type	Strip Style	Part Number
BNC Single Crimp	2-step	603995-1
BNC Commercial and UHF Mini	2-step	603995-2
UHF Standard	2-step	603995-3
BNC Mil-Type Dual Crimp	3-step	603995-5
BNC Commercial Dual Crimp	3-step	603995-6

Instruction Sheet 408-2766

Overall Length — 3.5 [90]

- Cable diameters from .10-.30 [2.54-7.62]
- Includes interchangeable, color-coded blade cassette, four “V” blocks and a hex key



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