

Portable, Handled Crimping Tools



Model AT-330 shown with jaws removed

Change jaws quickly to accommodate different wire sizes !

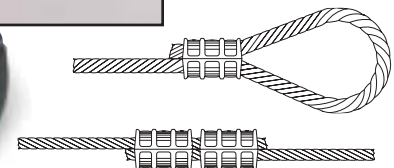
Bringing Your Tool to the Work

Nicopress pneumatic crimp tools are also available as light weight, completely portable, handled models. They deliver the same crimping power as their bench mounted counterparts. They run on standard shop air pressure (85 to 95 psi) and accommodate the broadest range of wire sizes in the industry – 1/32" to 3/8"! Dual triggers allow the tool to be operated using either left or right hand with or without gloves. Ergonomically balanced at the triggers, the tool minimizes operator fatigue. The convenient shoulder strap allows one hand operation.

A wide selection of single groove and multi-groove crimp heads is available. The heads can be quickly interchanged with minimal setup time.

Making the Crimp

Depressing the white button at the top of the handle opens the jaws to receive the assembly. Releasing the button allows the jaws to spring closed and grip the parts securely. Pulling either of the red triggers releases a lock so the valve can be tripped by squeezing the index finger. This actuates the power cylinder driving the jaws into their closed crimping position.



Crimp the broadest range of wire sizes – 1/32" to 3/8" !

Convert to Bench Operation

Handled tools can be converted to bench operation with the Optional Foot Switch Control Assembly. To order use Model Number AT-330-FC.

Features

- Size: 7-1/2"H x 4"W x 15" L.
- Weight: 13 pounds with jaws installed.
- Normal operating pressure range of 85 to 95 psi. Properly operating air filter & regulator is recommended at all times.
- Maximum operating pressure is 135 psi.
- Cycle time at 85 psi is 1.4 seconds.
- Cycle time increases with addition of booster option.
- 1/4 NPT air input.
- Normally closed crimping jaws for safety.
- Easily adjustable crimp height adjustment.
- Quick change crimp heads allow fast change-over for varying sizes of cable and wire.
- Can be operated from the left or right handed position, with or without work gloves.
- Shoulder strap frees operator's hands.
- Ergonomic design balances the handle near the trigger mechanism to reduce operator fatigue.
- Unit is shipped complete with hex wrenches, "go" gauge and operating instruction manual.

Splices

Making Eye Splices

Pull enough cable through the sleeve so that the end will still protrude after crimping. Line up the sleeve between the tool jaws with the long axis crosswise to the jaws as shown in *figure 1* on page 3.

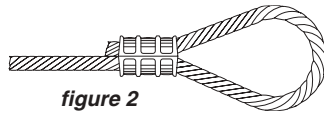


figure 2

Lap or Running Splices

Lap or running splices can also be made with **Nicopress** Oval Sleeves when lengthening a cable or in making grommet slings. Usually two sleeves are needed to develop a splice equal to the breaking strength of the wire. Pull the ends of both cables through both sleeves. Again, line up the sleeve between the tool jaws with the long axis crosswise to the jaws as shown in *figure 1* on page 3. Leave a little space between the sleeves to allow for extrusion of the sleeves



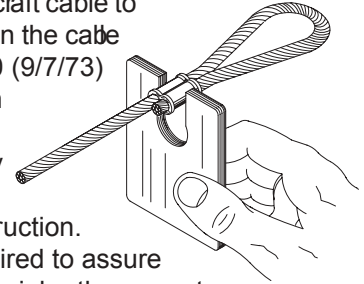
figure 3

during crimping. The finished crimp should also have a little space between sleeves for flexibility as shown in *figure 3*.

Gauging the Results

“Go” gauges assure that your crimp will meet specifications. Through pull testing it has been determined that **Nicopress** copper, copper plated, and stainless steel oval sleeves will hold aircraft cable to its breaking strength when the cable is made to MIL-W-83420 (9/7/73) for cable construction 3x7, 7x7, and 7x19.

Nicopress sleeves may be used with other wire ropes of different construction. But, proof testing is required to assure proper selection of materials, the correct crimping pressure, and the assurance of an adequate margin of safety for the intended use.



Booster Accessories

Booster Accessory Installs Quickly on Both Bench Mounted and Portable Models

Larger cables require higher forces for proper crimping. An optional booster accessory is available to increase the supply air pressure to an acceptable level.

Boosters are easily attached to the rear of all **Nicopress** tools – bench mounted or portable, handled models.

First, detach the supply air line and remove the porting plate from the rear of the tool (Photo shows that porting plate has already been removed).

Next, align the booster accessory to the back of the tool and tighten the four socket cap screws. Reattach the supply air line.

See pages 3 and 4 for selection of proper crimping heads to accommodate various **Nicopress** sleeve sizes and materials. The Tables indicate products that require the Booster Accessory.



Model AT-Booster

Selecting the Proper Crimping Head



Oval Sleeves

Cable Size	Copper Oval Sleeve #	Zinc/Copper Oval Sleeve #	Tin/Copper Oval Sleeve #	Aluminum Oval Sleeve #	Crimp Power Head Model #	Tool Groove	# of Crimps Required
3/64"	18-11-B4	28-11-B4	428-1.5-VB4	188-1.5-VB4	AT-B4	OVAL B4	1
1/16"	18-1-C	28-1-C	428-2-VC	188-2-VC	AT-C	OVAL C	1
					AT-CGMP	OVAL C	1
3/32"	18-2-G	28-2-G	428-3-VG	188-3-VG	AT-G	OVAL G	1
					AT-CGMP	OVAL G	1
1/8"	18-3-M	28-3-M	428-4-VM	188-4-VM	AT-M	OVAL M	3
					AT-CGMP	OVAL M	3
					AT-XPM	OVAL M	3
5/32"	18-4-P	28-4-P	428-5-VP	188-5-VP	AT-P	OVAL P	3
					AT-CGMP	OVAL P	3
					AT-XPM	OVAL P	3
3/16"	18-6-X	28-6-X	428-6-VX	188-6-VX	AT-X	OVAL X	4
					AT-XPM	OVAL-X	4
					AT-X-F6‡	OVAL X	4
7/32"	18-8-F2	28-8-F2	428-7-VF2	—	AT-F2	OVAL F2	4
1/4"	18-10-F6	28-10-F6	428-8-VF6	188-8-VF6	AT-X-F6‡	OVAL F6	5
5/16"	18-13-G9	28-13-G9	428-10-VG9	—	AT-G9‡	OVAL G9	4
				188-10-VG92	AT-G9‡	OVAL G9	5

Note‡ Must be crimped using Accessory Booster Kit



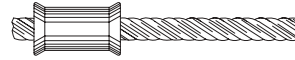
Stainless Steel Oval Sleeves

Cable Size	Stainless Steel Oval Sleeve #	Crimp Power Head Model #	Tool Groove	# of Crimps Required
3/64"	168-1.5-VB4	AT-B4	OVAL B4	1
1/16"	168-2-VB4	AT-B4	OVAL B4	1
3/32"	168-3-VC	AT-C	OVAL C	1
1/8"	168-4-VG	AT-G	OVAL G	1
5/32"	168-5-VM	AT-M	OVAL M	3
3/16"	168-6-VP	AT-P	OVAL P	4
7/32"	168-7-VX	AT-X ‡	OVAL X	4
1/4"	168-8-VF2	AT-F2 ‡	OVAL F2	5

Note ‡ Must be crimped using accessory booster kit

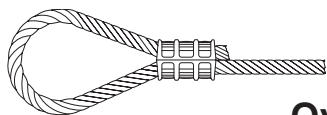


Stop Sleeves



Cable Size	Copper Stop Sleeve #	Zinc/Copper Stop Sleeve #	Aluminum Stop Sleeve #	Crimp Power Head Model #	Tool Groove	# of Crimps Required
3/64"	871-12-B4	872-12-B4	—	AT-B4	OVAL B4	1
1/16"	871-1-C	872-1-C	878-2-VC	AT-C	OVAL C	1
				AT-CGMP	OVAL C	1
3/32"	871-17-J	872-17-J	878-3-J	AT-MJ	J	1
3/32"	871-33-VG	872-33-VG	—	AT-CGMP	OVAL G	1
1/8"	871-18-J	872-18-J	878-4-J	AT-MJ	J	1
1/8"	871-34-VG	872-34-VG	—	AT-CGMP	OVAL G	1
5/32"	871-19-M	872-19-M	878-5-M	AT-MJ	M	1
5/32"	871-35-VM	872-35-VM	—	AT-CGMP	OVAL M	2
				AT-XPM	OVAL M	2
3/16"	871-20-M	872-20-M	878-6-M	AT-MJ	M	1
	871-36-VM	872-36-VM	—	AT-CGMP	OVAL M	2
				AT-XPM	OVAL M	2
7/32"	871-22-M	872-22-M	—	AT-MJ	M	2
	871-37-VM	872-37-VM	—	AT-CGMP	OVAL M	3
				AT-XPM	OVAL M	3
1/4"	871-23-F6	872-23-F6	878-8-VF6	AT-F6‡	OVAL-F6	3
5-16"	871-26-F6	872-26-F6	878-10-FF6	AT-F6‡	OVAL-F6	3
3/8"	871-27-F6	872-27-F6	—	AT-F6‡	OVAL-F6	3

Note‡ Must be crimped using Accessory Booster Kit



Oval Sleeves for Fiber Rope

Fiber Rope Size	Aluminum Oval Sleeve #	Crimp Power Head Model #	Tool Groove	# of Crimps Required
1/16"	1700-C	AT-C	OVAL C	1
		AT-CGMP	OVAL C	1
1/8"	1700-M	AT-CGMP	OVAL M	3
		AT-XPM	OVAL M	3
3/16"	1582-P	AT-P	OVAL P	3
		AT-CGMP	OVAL P	3
		AT-XPM	OVAL P	3
1/4"	1700-X	AT-X	OVAL X	4
		AT-XPM	OVAL X	4