

GREENLEE TOOL CO

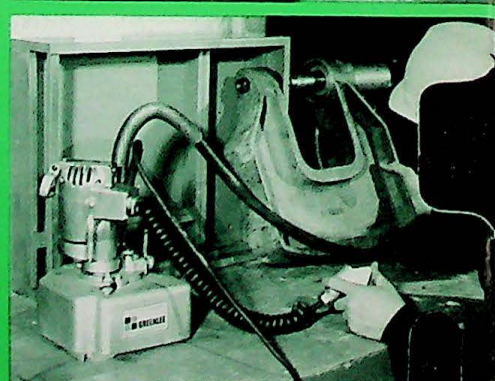
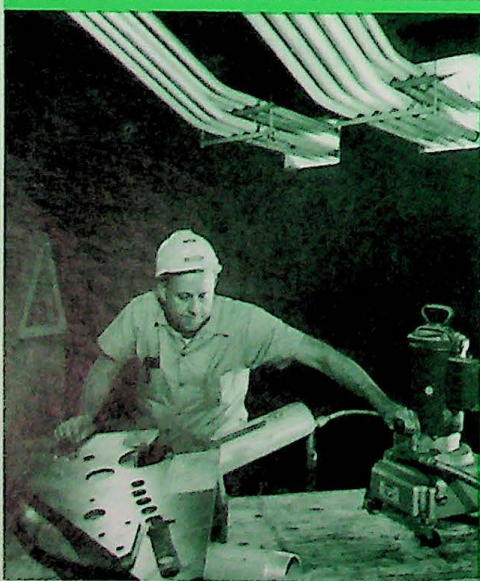
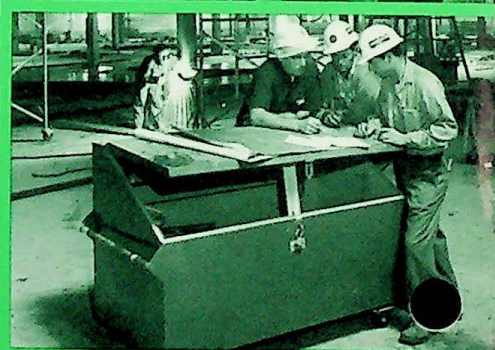
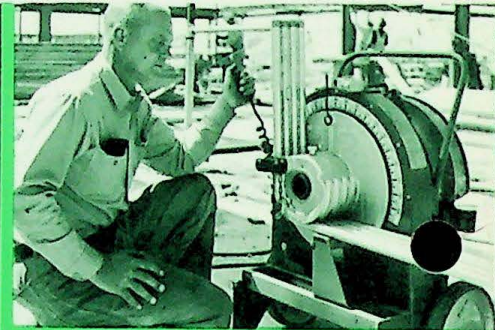


**TIMESAVING TOOLS
FOR ELECTRICIANS,
MAINTENANCE MEN
AND INDUSTRY**



Greenlee Job-Profit Tooling

...first choice of leading contractors nationwide



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Note: Page colors in catalog correspond to Greenlee contractor price sheet colors. Refer to No. 43 "blue," or "orange" price sheets when ordering.



on individual products indicates product approval by the CSA (Canadian Standards Association) Testing Laboratories

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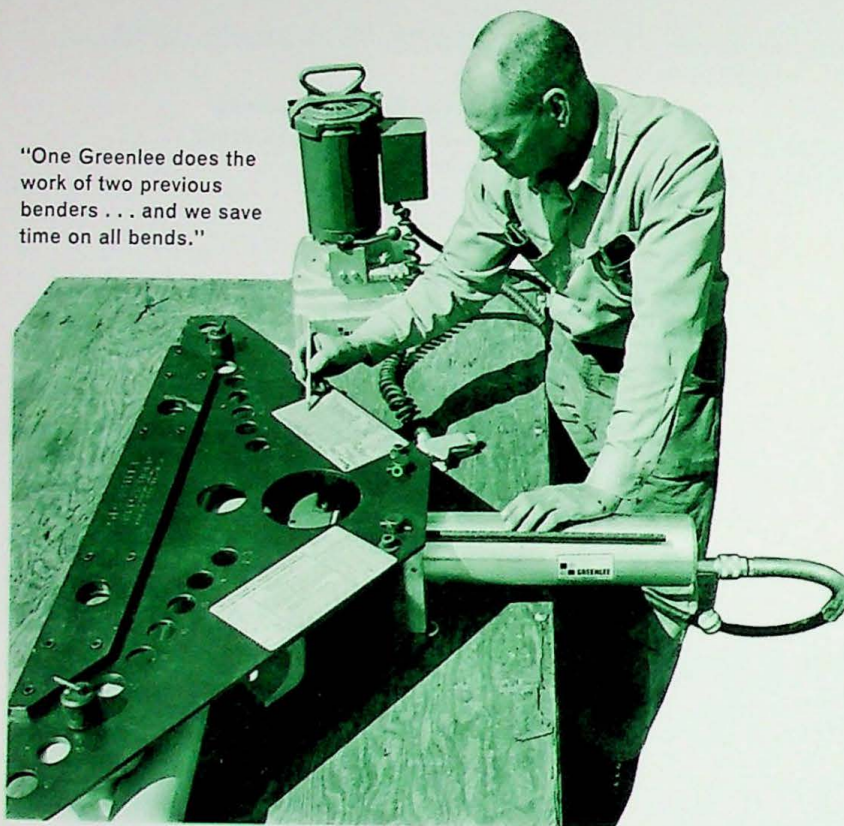
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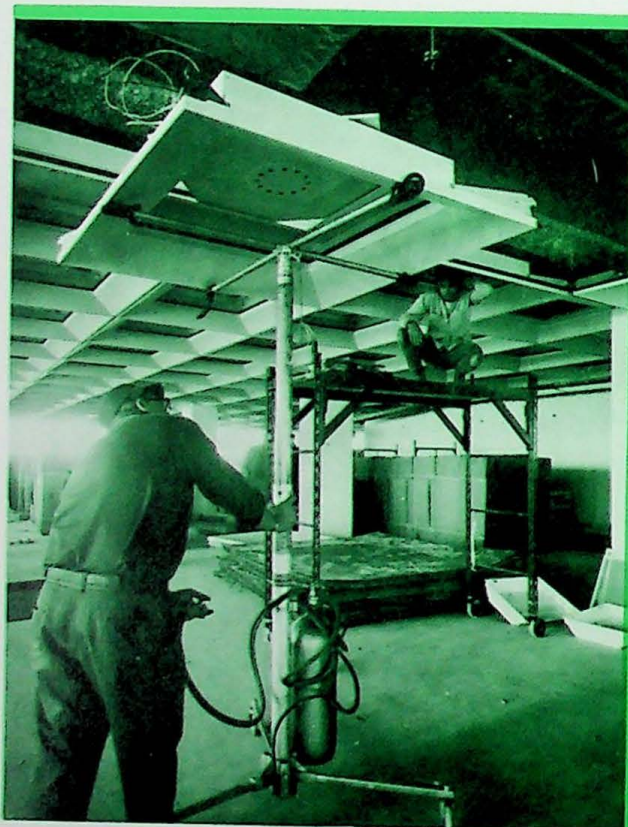
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CONTRACTORS REPORT ON THE "JOB-PROFIT" ADVANTAGES

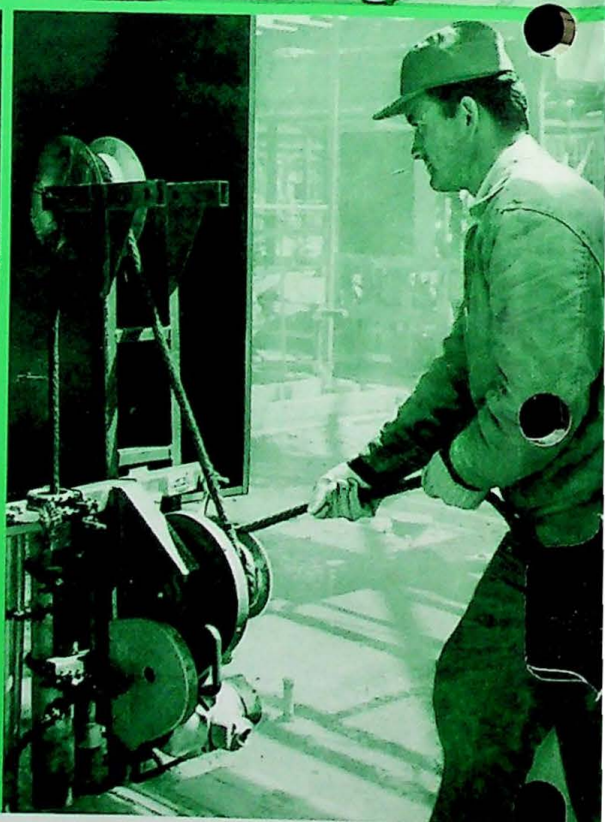
"One Greenlee does the work of two previous benders . . . and we save time on all bends."



"We made 4,000 bends in 1/2 thru 2" conduit using three Greenlee 880 Benders . . . and saved time on every bend."



"We installed 4 x 4 fixtures over twice as fast using the Greenlee No. 1015 Hoist. Two hoists saved us \$10,000 on one job alone!"



"We pulled three 600 MCM and one 3/O conductor 20 stories in 35 minutes, including setup, with our Greenlee 640 Power Puller."

OF GREENLEE TIMESAVING TOOLS

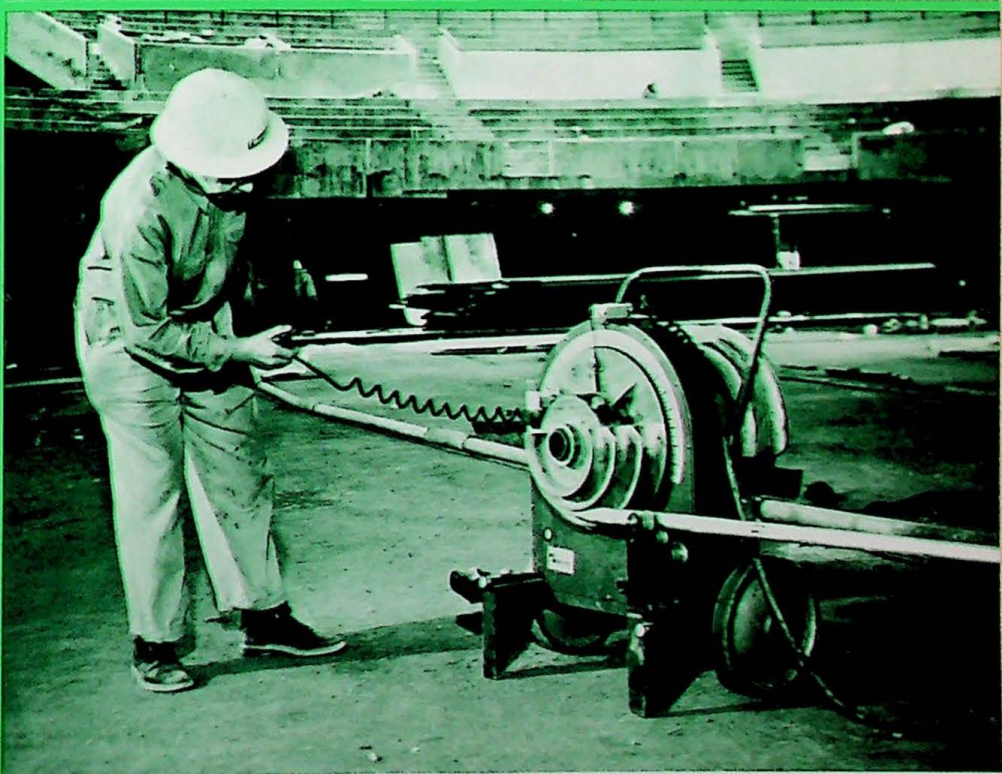
"Greenlee one-shot benders have cut our bending time 80% for 1-1/2 thru 3-1/2" dia aluminum conduit."



"We bought our Greenlee Fish Tape System because it takes over where other systems leave off. It has helped us cut costs on every pull-line running job."



"One of the prime reasons we use Greenlee tools is the service that backs them up."



"Greenlee timesaving tools saved us \$2,000 in the first four months we had them."

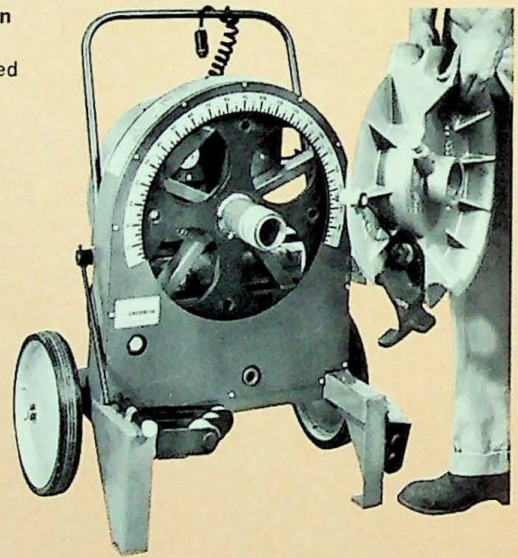
"On the new Madison Square Garden job, with our Greenlee No. 555 Electric Bender, we saved at least 25% on bending time on 2" and smaller pipe. A 90° bend takes only 20 seconds."

GREENLEE No. 555 ELECTRIC BENDER for 1/2 thru 2" rigid steel and aluminum conduit and pipe (optional shoes for 1/2 thru 2" E.M.T.)

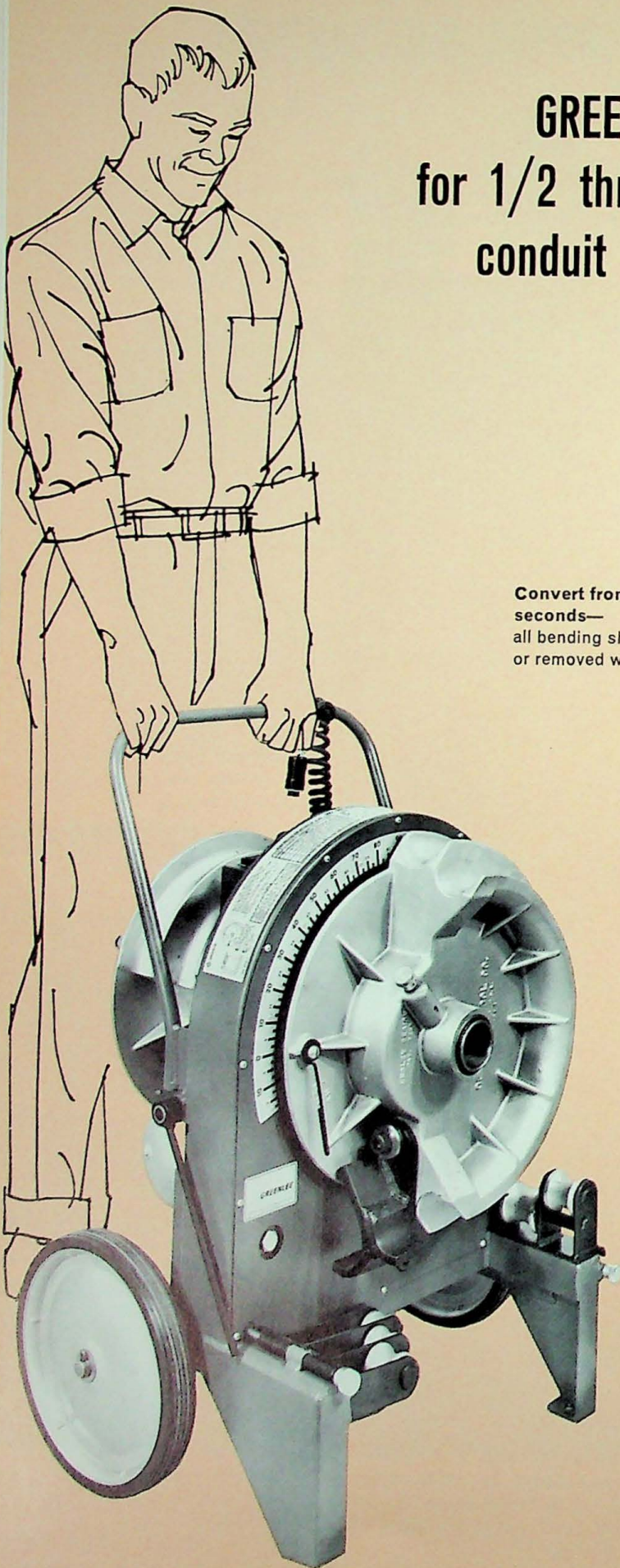


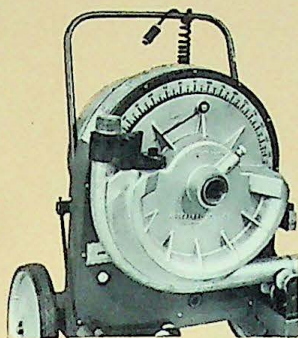
the first production
bender you can take
to the job

Convert from rigid to E.M.T. in
seconds—
all bending shoes can be attached
or removed without tools.

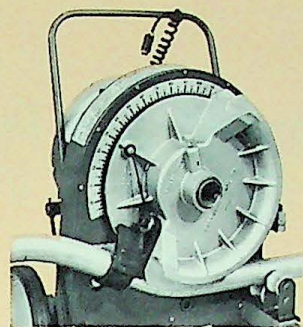


- **FAST**—Makes 90° bends in 2" galvanized conduit in 20 seconds—loads in less than 10 seconds. Shoe reverses to eject conduit.
- **SIMPLE**—Two shoes handle six sizes of rigid conduit . . . steel or aluminum. Accessory shoes available for 1/2 thru 2" thin-wall (E.M.T.)
- **AUTOMATIC**—Built-in limit switch stops bender at the exact degree of bend. Easy to line up for successive bends . . . no wows or doglegs. Stops waste.
- **NO LOOSE PARTS**—Everything you need on the job is attached to the bender . . . there's nothing to lose or leave behind.
- **FULLY PORTABLE**—10" rubber-tired wheels roll easily over obstructions . . . one man moves the Electric Bender anywhere on the job.
- **"SHOTGUN" SHOES**—Make 90° or 180° bends in three pieces of 1" or four pieces of 3/4" pipe . . . at the same time . . . in 6 seconds!

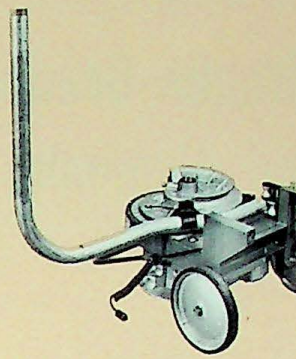




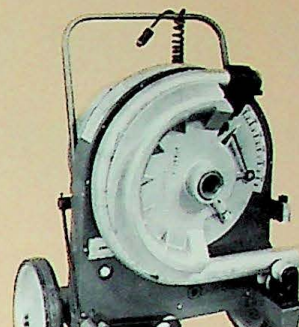
Fast 90° one-shot bends—makes bends in 1/2 thru 2" galvanized conduit in 20 seconds—loads in less than 10 seconds. Bends close to the end of the pipe for short stub-ups needed in thin slab work.



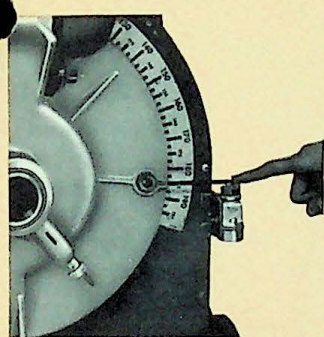
Easier offsets—conduit is always in full view for "eyeballing" offsets. Bending charts on top of bender frame tell men what to do. Pushbutton control speeds bending.



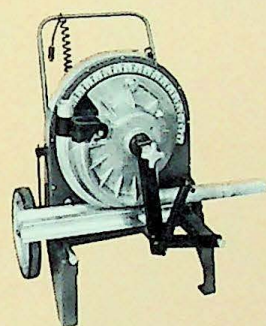
Handles complex bends—lay bender horizontally and you have a "table" bender for your biggest offsets and saddles.



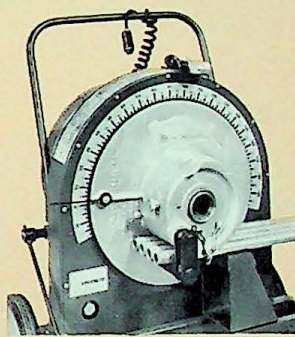
180° one-shot bends—bends 1/2 thru 2" conduit and pipe to any angle between 0 and 180° in one shot. Big easy-to-read indicator dial shows degree of bend as it's made.



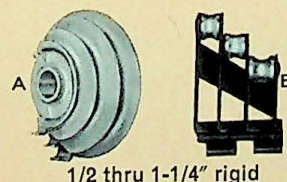
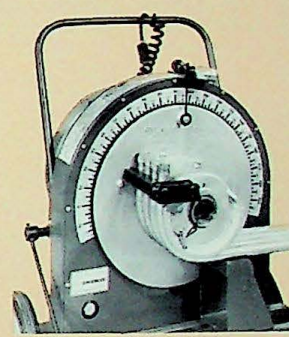
Fast, accurate—built-in limit switch stops bender at exact degree of bend . . . just set it and forget it. The fastest way to make duplicate bends.



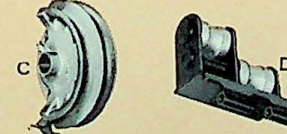
Bends 1/2 thru 2" E.M.T.—optional shoes bend all sizes of thin-wall from 1/2 thru 2". Shoe can be attached or removed in seconds without tools.



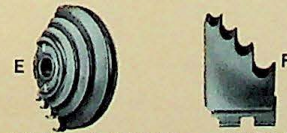
Three elbows in 20 seconds—shotgun shoe (optional) bends four sticks of 1/2 and 3/4", and three sticks of 1" rigid conduit and pipe in 20 seconds . . . makes 50 or more bends per hour. Length stop assures fast measurement of identical bends.



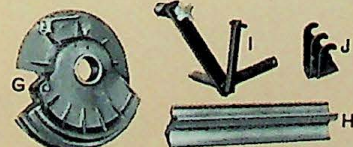
1/2 thru 1-1/4" rigid



1-1/2 thru 2" rigid



1/2 thru 1-1/4" thin wall (E.M.T.)



1-1/2 thru 2" E.M.T. attachment set



Optional shotgun shoes

Key	Control No.	Description				
No. 555 Electric Bender for 1/2 thru 2" rigid conduit and pipe, complete with the following high-strength aluminum alloy shoes:						
A	501 7935.7	1/2 thru 1-1/4" shoe	Rigid I.P.S. 1/2" 3/4"	Radius 4-3/8" 4-1/2"	Rigid I.P.S. 1" 1-1/4"	Radius 5-3/4" 7-1/4"
B	501 7979.9	Support roller for above				
C	501 7937.3	1-1/2 thru 2" shoe	Rigid I.P.S. 1-1/2" 2"	Radius 8-1/4" 9-1/2"		
D	501 7984.5	Support roller for above				
Optional Shoes						
E	501 7944.6	1/2 thru 1-1/4" Thin-Wall (E.M.T.) Aluminum Bending Shoe	E.M.T. 1/2" 3/4"	Radius 4-1/4" 5-3/8"	E.M.T. 1" 1-1/4"	Radius 6-3/4" 8-3/4"
F	501 7986.1	Support roller for above				
	501 7949.7	1-1/2 thru 2" E.M.T. attachment set. Consists of Keys G thru J:				
G	501 7947.0	1-1/2 and 2" Thin-Wall (E.M.T.) Aluminum Bending Shoe	E.M.T. 1-1/2" 2"	Radius 8-1/16" 9-5/16"		
H	501 7948.9	Follow Bar				
I	501 9018.0	Eccentric Clamp Unit				
J	501 9019.9	Clevis				
Optional "Shotgun" Shoes						
K	501 7945.4	1/2" Shotgun Shoe for simultaneously bending four pieces of 1/2" rigid conduit or pipe. Bending radius, 3".				
L	501 7994.2	1/2" Support Roller required				
M	501 7946.2	3/4" Shotgun Shoe for simultaneously bending four pieces of 3/4" rigid conduit or pipe. Bending radius, 4".				
N	501 7995.0	3/4" Support Roller required				
O	501 7938.1	1" Shotgun Shoe for simultaneously bending three pieces of 1" rigid conduit or pipe. Bending radius, 5-3/4".				
P	501 7985.3	1" Support Roller required				

90° One-Shot Hydraulic Benders for Rigid Steel and Aluminum Conduit and Pipe

These 9 timesaving features make Greenlee benders
first choice with profit-minded contractors

- 1** You can automatically eject bent conduit from any Greenlee one-shot bender—without double hoses . . . special rams or power pumps . . . or costly extras of any kind!



Step 1. Release and remove one Quick-Lock support pin.



Step 2. Advance ram . . . bent conduit pops out automatically!

This simple ejection method makes Greenlee the fastest 90° one-shot benders you can own.

- 2** Easiest benders to use—handy bending charts mounted right on the bender frame handle all calculations—your men spend more time bending, less time figuring.

- 3** Bending speeds to match your requirements—Greenlee builds the fastest power pumps in the business, plus a complete line of hand pumps.

- 4** Power to spare for all your bending jobs—in addition to bending conventional E.M.T. and rigid conduit, Greenlee benders also give you the capacity to bend schedule 40 thru double extra-heavy pipe (using optional ductile iron shoes described on page 20).

- 5** Accurate bends every time—Greenlee benders make one-shot bends, offsets, and “stub-ups” quickly and easily *without guesswork*—the most accurate benders on the market.

- 6** Economical bending attachments—convert Greenlee one-shot hydraulic benders to bend thin-wall (E.M.T.) and bus bars.

- 7** Trouble-free dependability—contractors report Greenlee benders stand up better under hard usage . . . last longer . . . and cost far less to maintain.

- 8** Interchangeable shoes—all sizes of one-shot shoes from 1/2 thru 4" are interchangeable on all Greenlee hydraulic benders. And, ductile iron shoe supports (exclusive on Greenlee benders) eliminate costly shoe breakage problems.

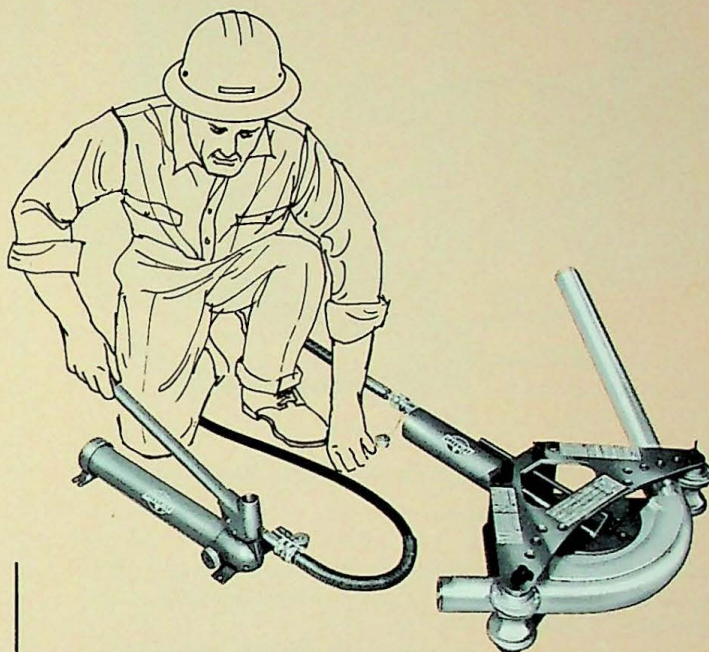
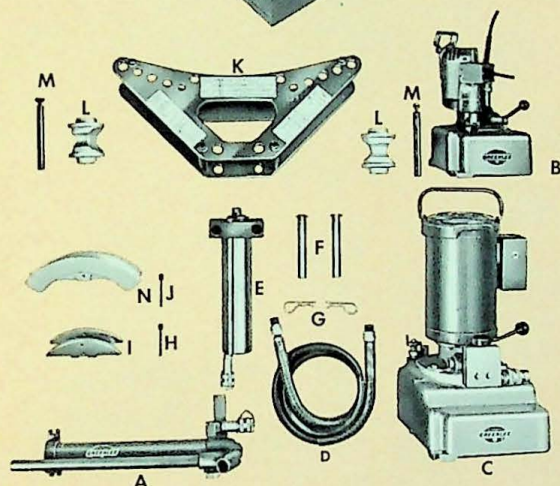
- 9** Instructions for your men—Greenlee factory-trained tool specialists show your men how to get maximum production with Greenlee benders (so you get maximum return on your tool investment).

These timesaving features are standard on every Greenlee 90° one-shot bender . . . and have been since the first one was introduced in 1953.

No. 880 1/2 thru 2" One-Shot Lightweight Hydraulic Bender



Comes assembled in steel shipping and storage box.



Available with hydraulic hand or power pump

15-ton ram develops all the power you need for fast, efficient bending of 1/2 thru 2" aluminum and steel conduit. Use it on the job or in the shop—to make uniform 90° bends smoothly and accurately with one ram stroke, one setting. Weighs only 36 lb (less shoes and pump).

Selection of hydraulic hand or power pump is determined by bending speed required. Turn to page 27 for complete hydraulic pump information.

Use the No. 880 to bend thin-wall conduit, bus bar, and tubing. For conversion attachments, see pages 19, 20, and 22.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired.

Key	Control No.	Cat. No.	Description	Qty
A		755	Hydraulic Hand Pump with 905 0807.6 female quick coupler	1
B		915-PS	Hydraulic Power Pump with 905 0807.6 female quick coupler	1
C		940SA-PS	Hydraulic Power Pump with 905 0807.6 female quick coupler	1
		960SA-PS	Hydraulic Power Pump with 905 0807.6 female quick coupler	1
D	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1
E		747	15-ton Ram with 905 0807.6 female quick coupler, includes Key Nos. F through H	1
F	501 5829.5		Cylinder head pin unit with spring clip 905 0302.3	2
G	905 0302.3		Spring clips	2
H	501 0826.3		Ram pin	1
I	501 0939.1		Small shoe support	1
J	501 0826.3		Shoe pin	1
K	500 3396.4		Frame unit	1
L	500 3400.6		Pipe supports	2
M	501 3679.8		Pipe support pin	2
N	90° Aluminum Bending Shoes			
		size	centerline radius	
	501 0917.0	1/2"	4"	1
	501 0918.9	3/4"	4-1/2"	1
	501 0919.7	1"	5-3/4"	1
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
	501 0947.2	1-0947	Reverse Bending Shoe (optional—not shown)	1

NOTE: Ductile iron shoes for bending schedule 40 and 80 pipe are described on page 20.

Cat. No.	Description
880-H-755	1/2" thru 2" One-Shot Hydraulic Bender complete, with No. 755 Hydraulic hand pump.
880-E-915	1/2" thru 2" One-Shot Hydraulic Bender complete, same as above except with No. 915-PS Hydraulic power pump. Pumping capacity—13 cu in. per min at 10,000 psi.
880-E-940	1/2" thru 2" One-Shot Hydraulic Bender complete, same as above except with No. 940SA-PS Hydraulic power pump. Pumping capacity—30 cu in. per min at 10,000 psi.
880-E-960	1/2" thru 2" One-Shot Hydraulic Bender complete, same as above except with No. 960SA-PS Hydraulic power pump. Pumping capacity—60 cu in. per min. at 10,000 psi.

No. 883 1-1/4" thru 3" One-Shot Portable Hydraulic Bender



Available with hydraulic hand or power pump.

Famous Greenlee features offer the best value for a 3" one-shot bender.

One ram stroke of powerful 15-ton ram makes fast work of 90° bends in 1 thru 3" aluminum and steel conduit or pipe . . . even 40S stainless.

Selection of hydraulic hand or power pump is determined by bending speed required. Turn to page 27 for complete hydraulic pump information.

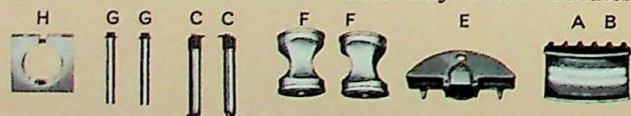
Use the No. 883 to bend thin-wall conduit, bus bar, and tubing. For conversion attachments, see pages 19, 20, and 22.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired.

Catalog No.	Description
883-H-755	1-1/4" thru 3" One-Shot Hydraulic Bender complete, with No. 755 Hydraulic Hand Pump.
883-E-915	1-1/4" thru 3" One-Shot Hydraulic Bender complete, same as above except with No. 915-PS Hydraulic power pump. Pumping capacity—13 cu in. per min at 10,000 psi.
883-E-940	1-1/4" thru 3" One-Shot Hydraulic Bender complete with same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi.
883-E-960	1-1/4" thru 3" One-Shot Hydraulic Bender complete, same as above except with No. 960SA-PS Hydraulic Power Pump. Pumping capacity—60 cu in. per min at 10,000 psi.

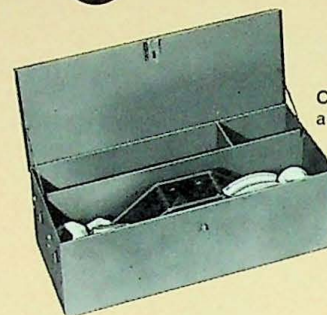
Convert your No. 883 to bend 3-1/2", 4" conduit

This economical segment bending conversion kit adapts your Greenlee No. 883 one-shot 3" bender to handle 3-1/2" and 4" conduit. Conversion takes only a few minutes.

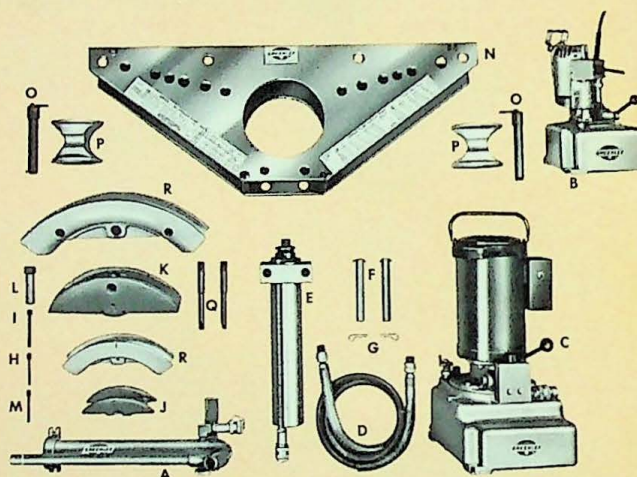


Key	Control No.	Cat. No.	Description	Qty
		883-G4	3-1/2" and 4" Conversion Kit, complete	1
A	501 3210.5		3-1/2" segment shoe, 16" radius	1
B	501 3211.3		4" segment shoe, 18-1/4" radius	1
C	501 8257.9		Pipe support pin	2
D	501 8258.7		Frame unit* (not shown)	1
E	501 8259.5		Large shoe support	1
F	501 8260.9		Pipe support	2
G	501 8261.7		Cylinder block pin	2
H	501 8262.5		Cylinder block	1

*If your No. 883 bender has a reinforced frame, omit frame unit (501 8258.7), and order frame support pins (501 8269.2). 2 required.



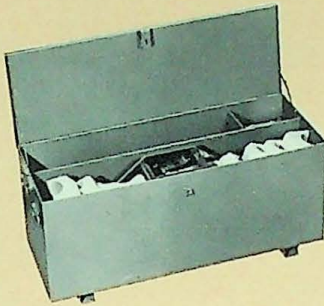
Comes in steel shipping and storage box.



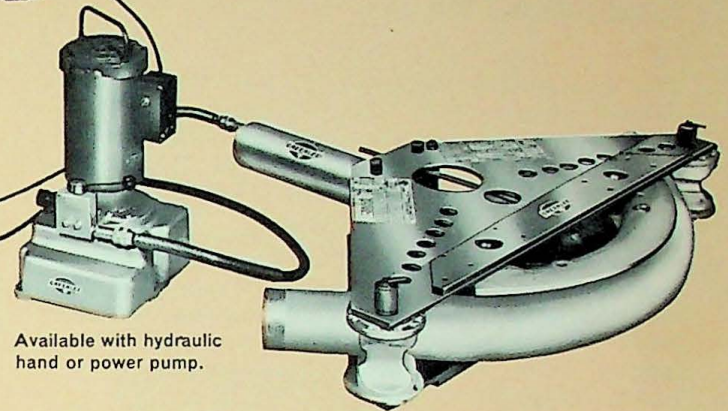
Key	Control No.	Cat. No.	Description	Qty
A		755	Hydraulic hand pump with 905 0807.6 female quick coupler	1
B		915-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
C		940SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
		960SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
D	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1
E		1708	15-ton Ram with 905 0807.6 female quick coupler, includes Key Nos. E through I	1
F	501 5829.5		Cylinder head pin unit with spring clip (905 0302.3)	2
G	905 0302.3		Spring clips	2
H	501 0826.3		Ram pin	1
I	501 0946.4		Large ram pin	1
J	501 0939.1		Small shoe support	1
K	501 0940.5		Large shoe support	1
L	501 0963.4		Large shoe pin	1
M	501 0826.3		Small shoe pin	1
N	501 0941.3		Frame unit	1
O	501 0944.8		Pipe support pin	2
P	501 0945.6		Pipe support	2
Q	501 1046.2		Pipe removal pin	2
R			90° Aluminum Bending Shoes	
			size centerline radius	
	501 0920.0		1-1/4" 7-1/4"	1
	501 0921.9		1-1/2" 8-1/4"	1
	501 0922.7		2" 9-1/2"	1
	501 0923.5		2-1/2" 12-1/2"	1
	501 0924.3		3" 15"	1
			Optional 90° Aluminum Bending Shoes (not shown)	
	501 0917.0		1/2" 4"	1
	501 0918.9		3/4" 4-1/2"	1
	501 0919.7		1" 5-3/4"	1
	501 0947.2	1-0947	Reverse Bending Shoe (Optional—not shown)	1

NOTE: Ductile iron shoes for bending schedule 40 and 80 pipe are described on page 20.

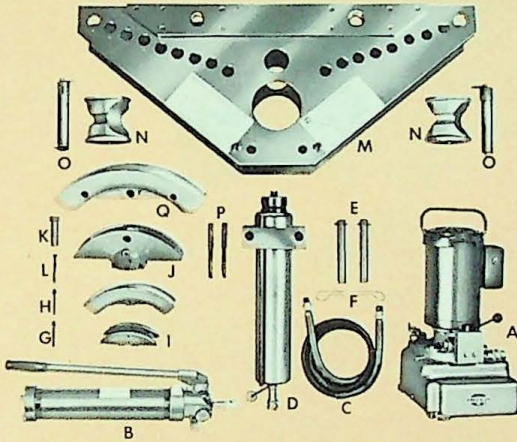
No. 884 1 1/4" thru 4" One-Shot Portable Hydraulic Bender



Comes in steel shipping and storage box.



Available with hydraulic hand or power pump.



The most widely used 4" conduit bender ever made. Ejects conduit automatically to save time on every bend.

Choice of leading contractors across the nation... loaded with money-saving features. 50% more power than any bender in its size range. 40 tons of ram pressure handle your toughest jobs. Quickly bends steel and aluminum conduit as well as extra-heavy pipe and 40S stainless. Optional ductile iron 90° bending shoes bend 1 thru 4" sizes of Schedules 80 and 120 pipe. 1" thru 3" Schedule 160 and Double X. Makes economical elbows, "kicks" and offsets that can't be purchased.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired. Convert your Greenlee No. 884 bender to bend 2-1/2, 3, and 4" E.M.T. See page 19.

Use the bender that's preferred by professionals. Selection of hydraulic power or hand pump is determined by bending speed required. Turn to page 27 for hydraulic pump information.

The No. 884 also bends bus bar. For conversion attachments, see page 20.

Key	Control No.	Cat. No.	Description	Qty
A		960SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
		940SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler (not illustrated)	1
B		1726	Hydraulic hand pump with 905 0807.6 female quick coupler	1
C	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1
D		748	40-ton Ram with 905 0807.6 female quick coupler, includes Key Nos. E thru H	1
E	501 0668.6		Cylinder head pin with spring Clip (905 0302.3)	2
F	905 0302.3		Spring clips	2
G	501 0826.3		Ram pin	1
H	501 0946.4		Large ram pin	2
I	501 0939.1		Small shoe support	1
J	501 0969.3		Large shoe support	1
K	501 0963.4		Large shoe pin	1
L	501 0826.3		Small shoe pin	1
M	501 0936.7		Frame unit	1
N	501 0934.0		Pipe support	2
O	501 0999.5		Pipe support pin	2
P	501 1046.2		Pipe removal pin	2
Q	90° Aluminum Bending Shoes	size	centerline radius	
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
	501 0923.5	2-1/2"	12-1/2"	1
	501 0924.3	3"	15"	1
	501 0925.1	3-1/2"	17-1/2"	1
	501 4265.8	4"	20"	1
	501 0947.2	1-0947	Reverse Bending Shoe (Optional—not shown)	1

NOTE: Ductile iron shoes for bending schedule 40 thru double extra-heavy pipe are described on page 20.

Catalog No.	Description
884-E-960	1-1/4" thru 4" One-Shot Hydraulic Bender, complete, with No. 960SA-PS Hydraulic Power Pump. Pumping capacity—60 cu in. per min at 10,000 psi.
884-E-940	1-1/4" thru 4" One-Shot Hydraulic Bender, complete same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi.
884-H-1726	1-1/4" thru 4" One-Shot Hydraulic Bender with No. 1726 Hydraulic Hand Pump.

Now... bend 5" conduit with your No. 884 bender
Economical segment-bending conversion kit for 5" conduit and pipe.

If you already own a Greenlee No. 884 one-shot 4" bender, you can adapt it to bend 5" conduit with this economical kit. Conversion can be made in a few minutes.



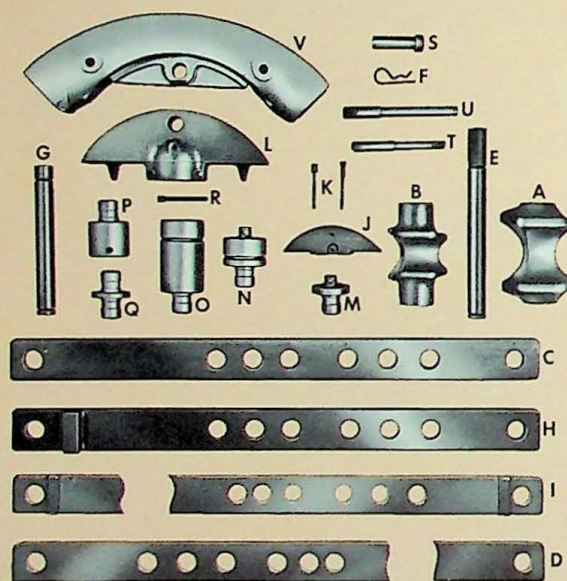
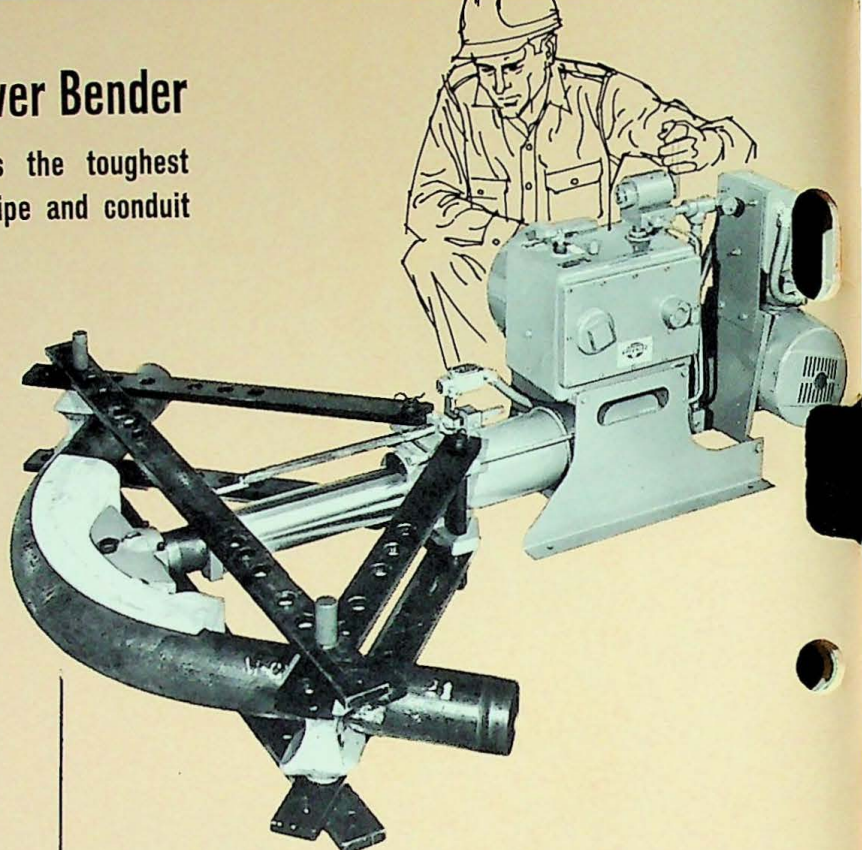
Key	Control No.	Cat. No.	Description	Qty
		884-G5	5" Conversion Kit, complete	1
A	501 6745.6		Cylinder block	1
B	501 6753.7		Cylinder block pin	2
C	501 6742.1		Frame support pin	2
D	501 6747.2		Pipe support pin	2
E	501 5671.3		Pipe supports	2
F	501 6741.3		Large shoe support	1
G	501 5669.1		5" Shoe—20" radius	1

No. 785 1-1/4 thru 6" Hydraulic Power Bender

Most powerful bender made for BIG pipe. Handles the toughest bending jobs in 1-1/4" thru 6" steel or aluminum pipe and conduit ...and Schedule 160 pipe.

This extra-powerful bender develops 80 tons of ram pressure (when used with a 3-hp electric motor). Makes 90° bends in 5" pipe and conduit in two minutes. Optional ductile iron 90° bending shoes bend 1 thru 4" sizes of Schedules 80, 120, 160 and double extra heavy pipe.

One-man operated . . . conveniently located four-way valve gives accurate control of every bend. Limit switch (electrically powered model only) automatically stops ram at any preset point . . . permits making identical bends. Workmen spend more time bending, less time figuring. 10,000 psi pump is designed for continuous heavy-duty bending.



Control No.	Cat. No.	Description	Qty
	785-E	1-1/4" thru 5" Hydraulic Bender, complete with 90° shoes and attachments, but without motor, Magnetic Starter or Motor Sheave. Includes Key Nos. A through V.	
	785-E1	1-1/4" thru 5" Hydraulic Bender, complete with 90° shoes and attachments, and with 3 HP, 3 phase, 230V, 60 Cycle Motor, Magnetic Starter and Motor Sheave. Includes Key Nos. A through V.	
	785-E2	1-1/4" thru 5" Hydraulic Bender, complete with 90° shoes and attachments, and with 3 HP, single phase, 115 V, 60 Cycle Motor, Magnetic Starter and Motor Sheave. Includes Key Nos. A through V.	
Key		Description	Qty
A	500 3156.2	Large pipe support	2
B	500 3181.3	Small pipe support	2
C	501 3498.1	Upper connecting bar	2
D	501 4522.3	Upper cross bar	1
E	501 7118.6	Pipe support pin unit	2
F	905 0302.3	Spring clips	8
G	501 7119.4	Cylinder head pin unit	2
H	501 3500.7	Lower connecting bar	2
I	501 3501.5	Lower cross bar	1
J	501 0939.1	Small shoe support for 1-1/4", 1-1/2", 2" shoes	1
K	501 0826.3	Small shoe pin	2
L	501 0969.3	Large shoe support for 2-1/2", 3", 3-1/2", 4" shoes	1

Key	Control No.	Cat. No.	Description	Qty
M	500 5933.5		Piston extension for 1-1/4, 1-1/2" shoes	1
N	501 3147.8		Piston extension for 2, 2-1/2" shoes	1
O	501 3148.6		Piston extension for 3, 3-1/2, 4" shoes	1
P	501 3503.1		Piston extension for 5" shoe	1
Q	500 5722.7		Piston rod insert for 5" shoe	1
R	501 0946.4		Large ram pin	1
S	501 0963.4		Large shoe pin	1
T	501 1046.2		Pipe removal pin for 2-1/2, 4" shoes	2
U	501 1063.2		Pipe removal pin for 5" shoe	2
V			90° Aluminum Bending Shoes	
		size	centerline radius	
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
	501 0923.5	2-1/2"	12-1/2"	1
	501 0924.3	3"	15"	1
	501 0925.1	3-1/2"	17-1/2"	1
	501 4265.8	4"	20"	1
	501 3367.5	5" (cast iron)	30"	1

785-G6	6" 90° One-Shot Bending Shoe and attachments - includes these parts	
501 7120.8	Pipe support pin unit	2
501 7121.6	Cylinder head pin unit	2
905 0302.3	Spring clips	8
501 4368.9	Upper cross bar	1
501 1947.8	Upper connecting bar	2
501 1948.6	Lower cross bar	1
501 1949.4	Lower connecting bar	2
501 1950.8	Piston extension	1
501 2074.3	R. H. cross bar positioning block	1
501 2075.1	L. H. cross bar positioning block	1
501 2916.3	Pipe supports	2
501 1063.2	Pipe removal pin	2
500 5722.7	Piston rod insert	1
501 1960.5	6" shoe, 35-1/2" radius	1

MOTOR AND CONTROLS FOR 785-E

502 0440.8	3 hp, 115 v, a-c, single-phase motor, No. 918 5412.1 with magnetic starter No. 918 5418.0 and motor sheave No. 905 0818.1.
501 7285.9	3 hp, 230 v, a-c, 3-phase motor, No. 918 5340.0 with magnetic starter No. 918 5342.7 and motor sheave No. 905 0818.1.

NOTE: PLEASE SPECIFY MOTOR REQUIRED.

NOTE: Ductile Iron shoes for bending schedule 40 thru double extra-heavy pipe are described on page 20.

No. 777 1-1/4 thru 4" Combination 90° One-Shot and Segment Hydraulic Benders



Comes assembled in steel storage and shipping box.

Two benders in one. One-shot bends from 1-1/4 thru 2" and segment bends 2-1/2 thru 4". Economical attachments for bending 1-1/4 thru 2" thin-wall and 3/4 thru 2-1/8" O.D. tubing are available.

One of our most popular benders . . . unmatched for overall performance. Does more jobs for you than any other bender of its type. 27-ton ram pressure assures adequate power for all jobs.

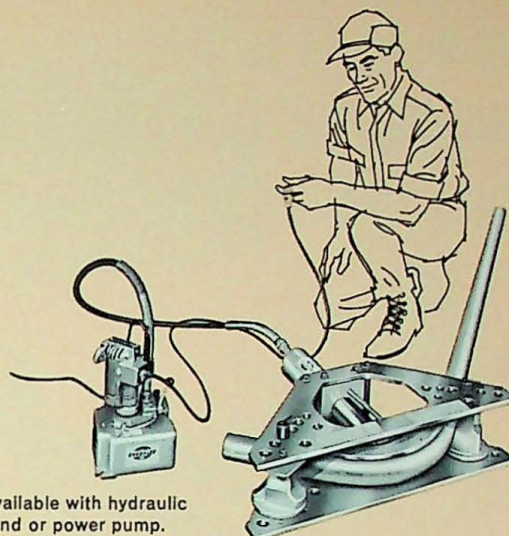
Designed for one-man operation. Lightweight . . . weighs only 65 lb (less bending shoes). Makes bends close to the end of the conduit. One-piece frame is high-strength aluminum alloy. Universal pipe supports fit 1/2 thru 4" pipe. Optional ductile iron 90° bending shoes bend 1 thru 2" sizes of Schedules 80, 120, and 160 pipe.

Selection of hydraulic hand or power pump is determined by bending speed required. Turn to page 27 for complete hydraulic pump information.

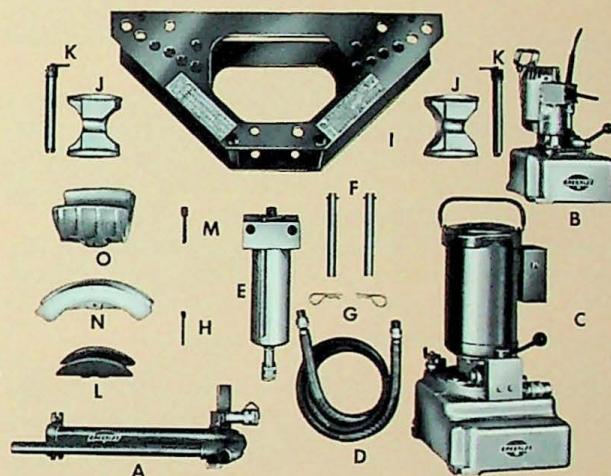
Use the No. 777 to bend thin-wall (E.M.T.) conduit or tubing. For conversion attachments, see pages 19 and 22.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired.

Catalog No.	Description
777-HC-755	1-1/4" thru 2" One-Shot and Segment 2-1/2" thru 4" Hydraulic Bender complete, with No. 755 Hydraulic Hand Pump.
777-EC-915	1-1/4" thru 2" One-Shot and Segment 2-1/2" thru 4" Hydraulic Bender complete same as above except with No. 915-PS Hydraulic Power Pump. Pumping capacity—13 cu in. per min at 10,000 psi.
777-EC-940	1-1/4" thru 2" One-Shot and Segment 2-1/2" thru 4" Hydraulic Bender complete, same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi.
777-EC-960	1-1/4" thru 2" One-Shot and Segment 2-1/2" thru 4" Hydraulic Bender complete, same as above except with No. 960SA-PS Hydraulic Power Pump. Pumping capacity—60 cu in. per min at 10,000 psi.



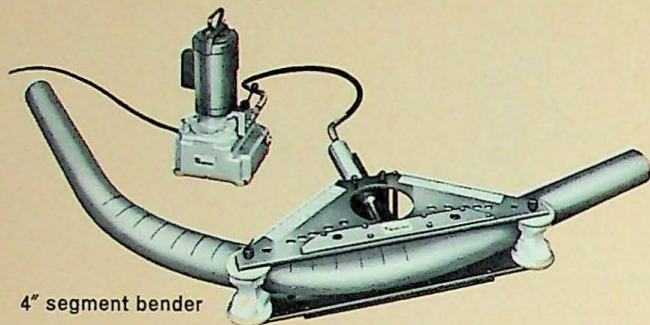
Available with hydraulic hand or power pump.



Key	Control No.	Cat. No.	Description	Qty
A		755	Hydraulic hand pump with 905 0807.6 female quick coupler	1
B		915-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
C		940SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
		960SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
D	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1
E		1736	27-ton Ram with 905 0807.6 female quick coupler, includes Key Nos. F through H	1
F	501 3252.0		Cylinder head pin unit with spring clip (905 3252.0)	2
G	905 0302.3		Spring clip	2
H	501 0826.3		Ram pin	1
I	501 3232.6		Frame unit	1
J	501 3193.1		Pipe support	2
K	501 4496.0		Pipe support pin	2
L	501 0939.1		Small shoe support	1
M	501 0826.3		Shoe pin	1
N	90° Aluminum Bending Shoe		size centerline radius	
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
O	Aluminum Segment Bending Shoes			
	501 3208.3	2-1/2"	11-7/16"	1
	501 3209.1	3"	13-3/4"	1
	501 3210.5	3-1/2"	16"	1
	501 3211.3	4"	18-1/4"	1
	501 0947.2	1-0947	Reverse Bending Shoe (Optional—not shown)	1

NOTE: Ductile Iron shoes for bending schedule 40 thru double extra-heavy pipe are described on page 20.

No. 883-4 1-1/4 thru 4" Combination 90° One-Shot and Segment Hydraulic Bender



4" segment bender

Makes one-shot bends in 1-1/4 thru 3" conduit . . . segment bends 3-1/2 and 4".

Thinking of buying a 3" bender? Order a Greenlee No. 883-4 Bender instead and be ready to bend larger conduit when it's called for. No. 883-4 bends 1-1/4 thru 3" conduit 90° in one shot . . . segment bends 3-1/2 and 4" to give you the versatility today's tough contracts demand.

Bender is available with hydraulic hand or power pump. Selection of pump is determined by bending speed required. Turn to page 27 for complete hydraulic pump information.

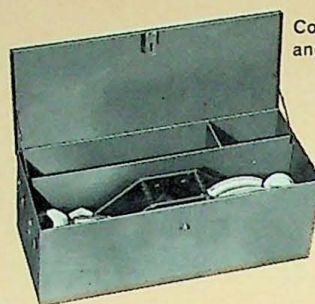
Bender comes in steel storage and shipping box.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired.

Key	Control No.	Cat. No.	Description	Qty
		883-4H-755	1-1/4" thru 3" One-shot and Segment 3-1/2" and 4" Hydraulic Bender complete with No. 755 Hand Pump	
		883-4E-915	1-1/4" thru 3" One-shot and Segment 3-1/2" and 4" Hydraulic Bender complete with No. 915-PS Hydraulic Power Pump. Pumping capacity—13 cu in. per min at 10,000 psi	
		883-4E-940	1-1/4" thru 3" One-Shot and Segment 3-1/2" and 4" Hydraulic Bender complete with No. 940-SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi	
		883-4E-960	1-1/4" thru 3" One-Shot and Segment 3-1/2" and 4" Hydraulic Bender complete with No. 960-SA-PS Hydraulic Power Pump. Pumping capacity—60 cu in. per min at 10,000 psi	
A		755	Hydraulic hand pump with No. 905 0807.6 female quick coupler	1
B		915-PS	Hydraulic power pump with No. 905 0807.6 female quick coupler	1
C		940-SA-PS	Hydraulic power pump with No. 905 0807.6 female quick coupler	1
		960-SA-PS	Hydraulic power pump with No. 905 0807.6 female quick coupler	1
D	501 1289.9		3/8" x 6' High-pressure hose with two No. 905 0823.8 male quick couplers	1
E		1746	15-ton ram with No. 905 0807.6 female quick coupler, includes Keys G through K	1

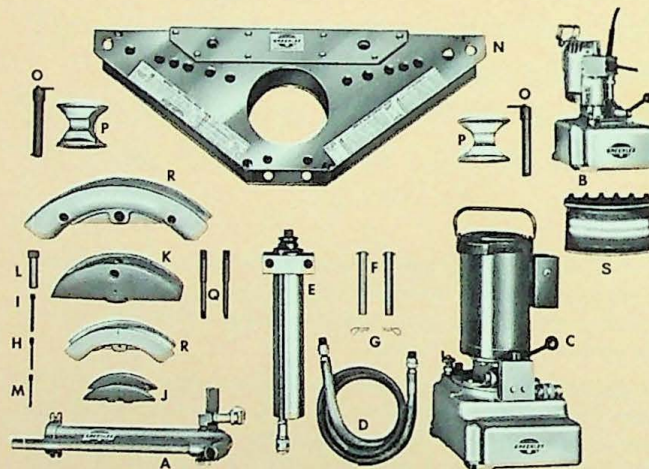
No. 883-G4 kit converts Greenlee No. 883-3" benders to segment bend 4" conduit.

If you own a Greenlee No. 883 bender, adapt it to bend 4" conduit with this economical kit. Conversion takes only minutes. See page 10



Comes in steel storage and shipping box.

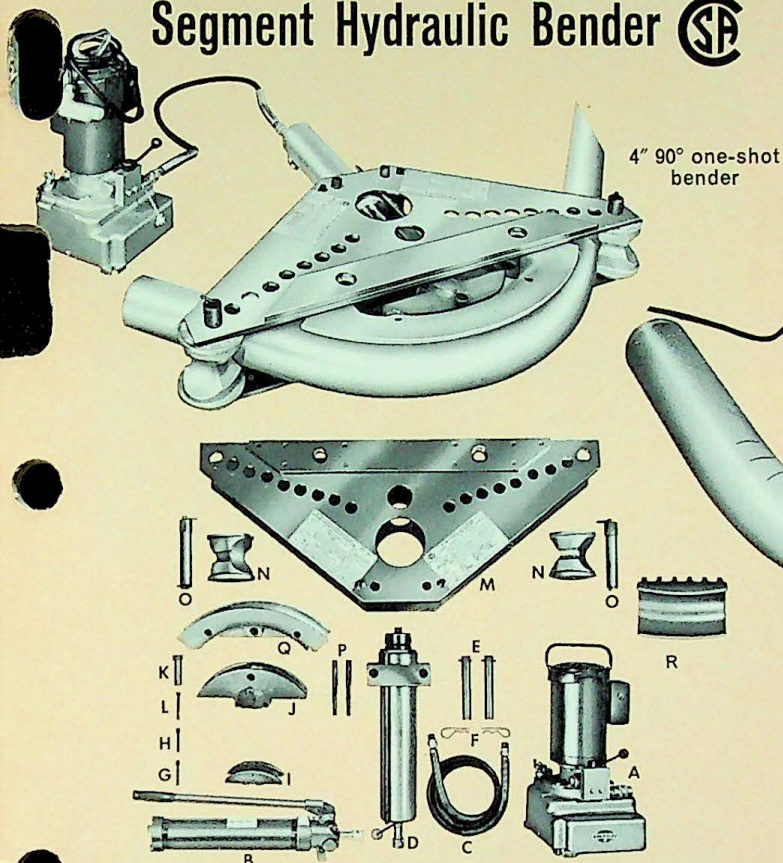
3" one-shot bender



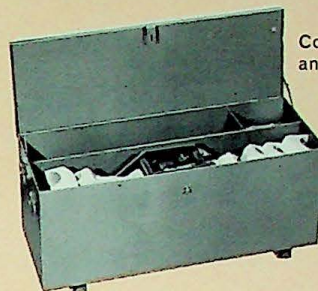
Key	Control No.	Cat. No.	Description	Qty
F	501 8261.7		Cylinder head pin unit with spring clip (905 0302.3)	2
G	905 0302.3		Spring clips	2
H	501 0826.3		Ram pin	1
I	501 0946.4		Large ram pin	1
J	501 0939.1		Small shoe support	1
K	501 8259.5		Large shoe support	1
L	501 0963.4		Large shoe pin	1
M	501 0826.3		Small shoe pin	1
N	501 8258.7		Frame unit	1
O	501 8257.9		Pipe support pin	2
P	501 3193.1		Pipe support	2
Q	501 1046.2		Pipe removal pin	2
R	90° Aluminum Bending Shoes			
		size	centerline radius	
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
	501 0923.5	2-1/2"	12-1/2"	1
	501 0924.3	3"	15"	1
S	Segment Bending Shoes			
	501 3210.5	3-1/2"	16"	1
	501 3211.3	4"	18-1/4"	1
	Optional Aluminum 90° Bending Shoes (not shown)			
	501 0917.0	1/2"	4"	1
	501 0918.9	3/4"	4-1/2"	1
	501 0919.7	1"	5-3/4"	1
	501 0947.2	1-0947	Reverse Bending Shoe (Optional—not shown)	1

NOTE: Ductile iron shoes for bending schedule 40 thru double extra-heavy pipe are described on page 20.

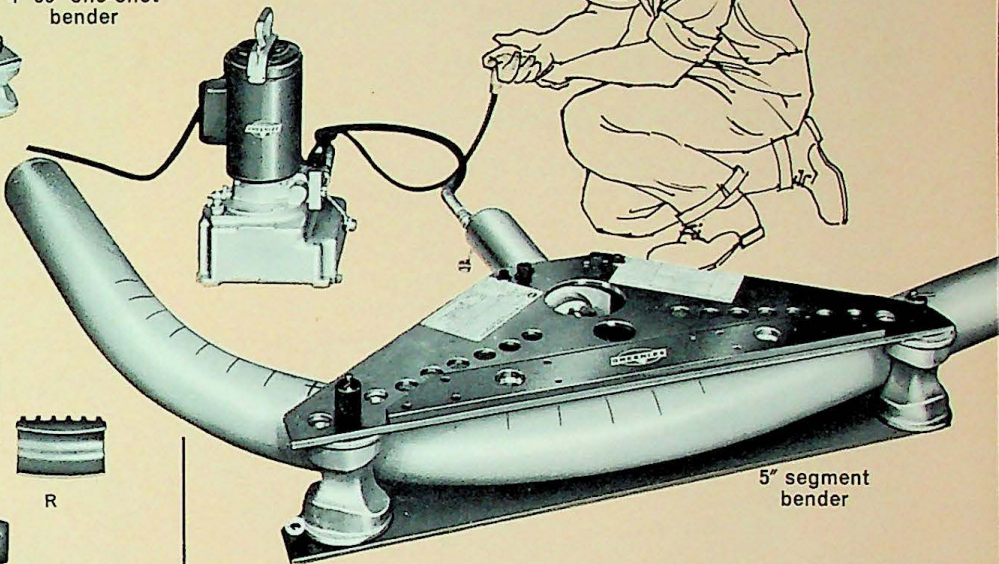
No. 885 1-1/4 thru 5" Combination 90° One-Shot and Segment Hydraulic Bender



4" 90° one-shot bender



Comes in steel storage and shipping box.



5" segment bender

Make fast, one-shot bends in 1-1/4" thru 4" conduit . . . segment bends in 5" conduit with this versatile bender. Weighs only 150 lb (less pump and shoes.)

Thinking of buying a 4" rigid conduit bender? Don't be caught short when specifications call for 5" conduit. Be ready to bend with this new Greenlee. Used with the new No. 960SA-PS hydraulic power pump, it's the most versatile bender of its size on the market. It saves the cost of manufactured elbows. And, it produces bends, offsets, and "kicks" that can't be purchased. Optional ductile iron 90° bending shoes bend 1 thru 4" Schedules 80, and 120 pipe. 1" thru 3" Schedules 160 and Double X.

Bender is available with hydraulic hand or power pump. Selection of pump is determined by bending speed required. Bender comes in steel storage and shipping box. Turn to page 27 for complete hydraulic pump information. Use No. 885 to bend bus bar. For attachments, see page 20.

For bending 1-1/4 thru 2" E.M.T. faster and more efficiently, the Greenlee No. 882 bender (see page 17) is recommended. Available less pump and hose if desired.

Key	Control No.	Cat. No.	Description	Qty
A		960SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
		940SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler (not illustrated)	1
B		1726	Hydraulic hand pump with 905 0807.6 female quick coupler	1
C	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1
D		1737	40-ton Ram with 905 0807.6 female quick coupler, includes Key Nos. E through H	1
E	501 6753.7		Cylinder head pin unit with spring clip (905 0302.3)	2
F	905 0302.3		Spring clip	2
G	501 0826.3		Ram pin	1
H	501 0946.4		Large ram pin	2
I	501 0939.1		Small shoe support	1
J	501 6741.3		Large shoe support	1
K	501 0963.4		Large shoe pin	1
L	501 0826.3		Small shoe pin	1
M	501 6754.5		Frame unit	1
N	501 5671.3		Pipe support	2
O	501 6747.2		Pipe support pin	2
P	501 1046.2		Pipe removal pin	2
Q	90° Aluminum Bending Shoe			
		size	centerline radius	
	501 0920.0	1-1/4"	7-1/4"	1
	501 0921.9	1-1/2"	8-1/4"	1
	501 0922.7	2"	9-1/2"	1
	501 0923.5	2-1/2"	12-1/2"	1
	501 0924.3	3"	15"	1
	501 0925.1	3-1/2"	17-1/2"	1
	501 4265.8	4"	20"	1
R	Segment Bending Shoe			
	501 5669.1	5"	20"	1
	501 0947.2	1-0947	Reverse Bending Shoe (Optional—not shown)	1

NOTE: Ductile iron shoes for bending schedule 40 thru double extra-heavy pipe are described on page 20.

NOTE: All parts keyed G thru R are required to convert the No. 885-TE bender (page 18) to bend 1-1/4 thru 5" rigid conduit and pipe.

Cat. No.	Description
885-E-960	1-1/4" thru 4" One-Shot and 5" Segment Hydraulic Bender complete, with No. 960SA-PS Hydraulic Power Pump. Pumping capacity — 60 cu in. per min at 10,000 psi.
885-E-940	1-1/4" thru 4" One-Shot and 5" Segment Hydraulic Bender complete, same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping Capacity — 30 cu in. per min at 10,000 psi.
885-H-1726	1-1/4" thru 4" One-Shot and 5" Segment Hydraulic Bender complete, same as above except with No. 1726 Hydraulic Hand Pump.

New kit (884-G5) converts Greenlee No. 884 4" benders to segment bend 5" conduit.

If you already own a Greenlee No. 884 4" one-shot bender, you can adapt it to bend 5" conduit with this economical kit. The conversion can be made in a few minutes. See page 11 for more information.

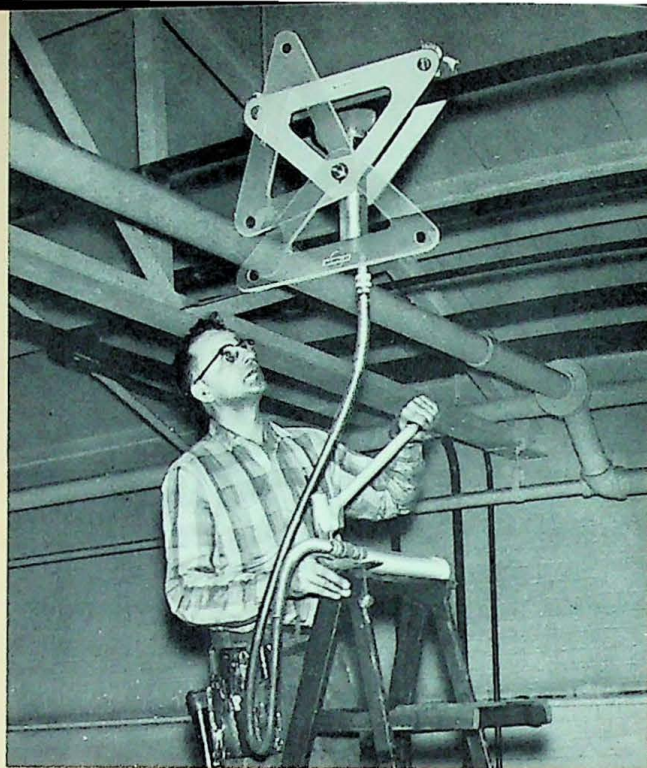
Segment-Type Hydraulic Benders for rigid steel and aluminum conduit pipe

No. 772 1 thru 2" "Swivel-Top" Rigid Conduit Bender — bends 30° in one shot

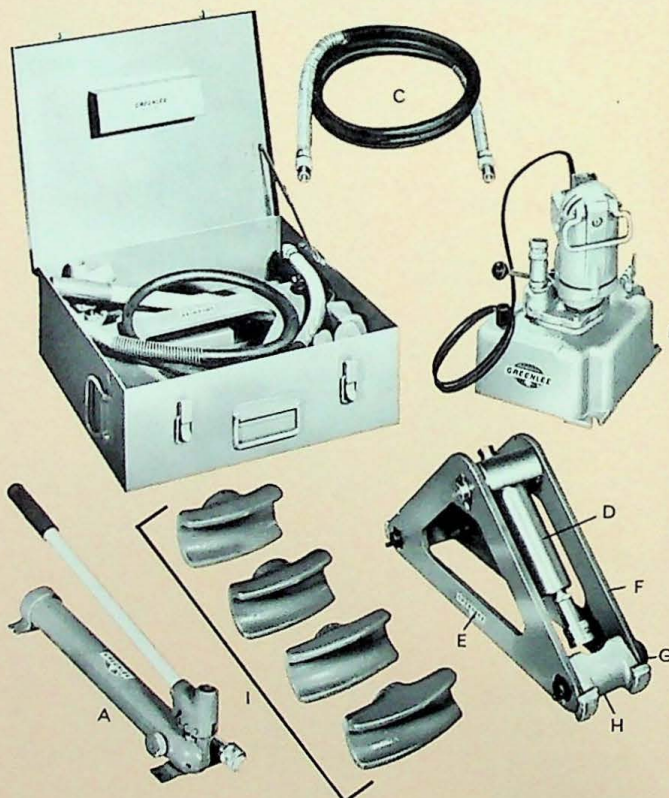
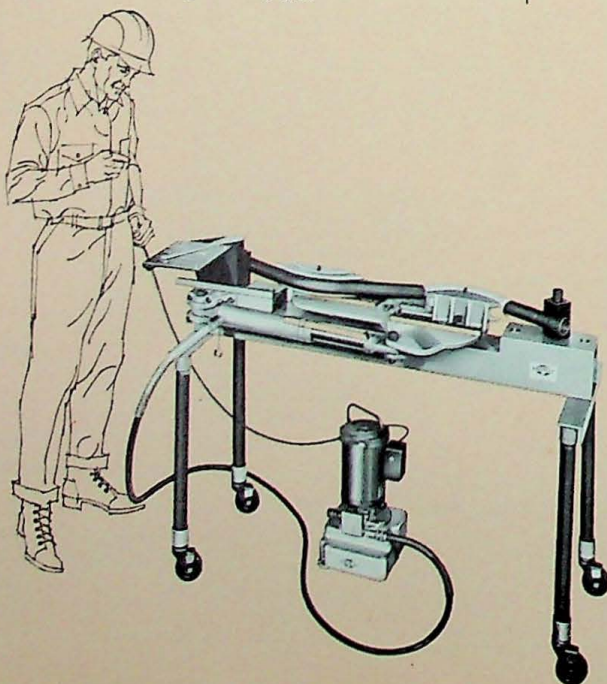
Fastest setup for "kicks" and offsets on 1 thru 2" conduit

"Swivel-Top" frame construction — first and only bender with a frame that swivels away from the pipe supports to let you load conduit in seconds. This feature makes bender ideal for trench work, and in-position bending. Especially recommended for streetlight jobs. Bender is permanently factory-assembled... no loose parts. And, it weighs only 25 lb (less shoes and pump).

Extra compact — powerful ram folds inside the bender frame for easy storage. Bender, ram, shoes, and Greenlee No. 755 hydraulic hand pump are easily stored in the 21" x 17" x 17" steel box (included with the bender). Complete package weighs only 52 lb.



Key	Control No.	Cat. No.	Description	Qty
		772-H-755	1" thru 2" Greenlee "Swivel-Top" Bender complete with No. 755 hydraulic hand pump	
		772-E-915	1" thru 2" Greenlee "Swivel-Top" Bender complete with No. 915-PS hydraulic power pump. Pumping capacity—13 cu in. per min at 10,000 psi	
A		755	Hydraulic hand pump with 905 0807.6 female quick coupler	1
B		915-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1
C	501 1289.9		3/8" x 6' High-pressure hose with two 905 0823.8 male quick couplers	1
D	501 6888.6	1-6888	10-ton Ram unit with 905 0807.6 female quick coupler	1
E	501 7902.0		Top plate unit	1
F	501 6877.0		Bottom plate	1
G	501 6862.2		Pipe support pin	2
H	501 6873.8		Pipe support	2
I	Segment Shoes		size centerline radius	
	501 6898.3	1"	4-5/8"	1
	501 6900.9	1-1/4"	7-1/16"	1
	501 6902.5	1-1/2"	8-1/4"	1
	501 6904.1	2"	9-5/16"	1

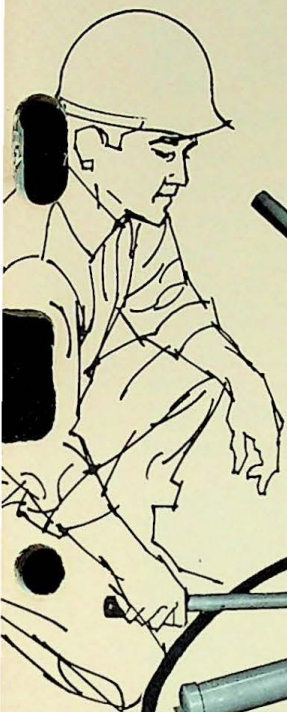


No. 888 1/2 thru 2" Multipurpose Hydraulic Bender

Makes offsets in seconds in one shot — also makes one-shot, 90° bends.

Fast . . . extra versatile. Makes both bends of the offset simultaneously, with one powerful ram stroke. Bends are always correctly aligned—no doglegs. Makes 90° bends close to the end of the pipe. Easy-to-read scale measures ram travel for accurate bends. Turn to page 27 for complete hydraulic pump information.

Cat. No.	Description
888-E-940	Multipurpose Hydraulic Bender for making offsets, 90° and 180° bends in 1/2" thru 2" steel and aluminum conduit and pipe with No. 940-SA-PS Hydraulic Power Pump. Includes two bending shoes for each size

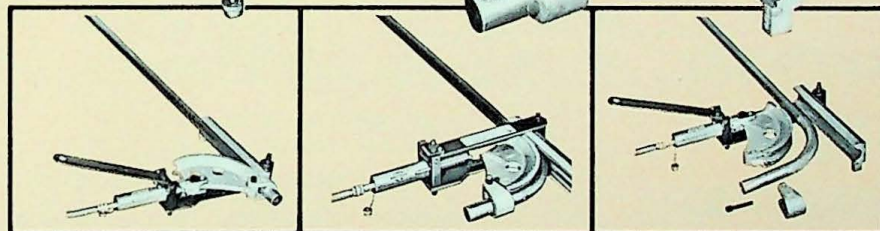
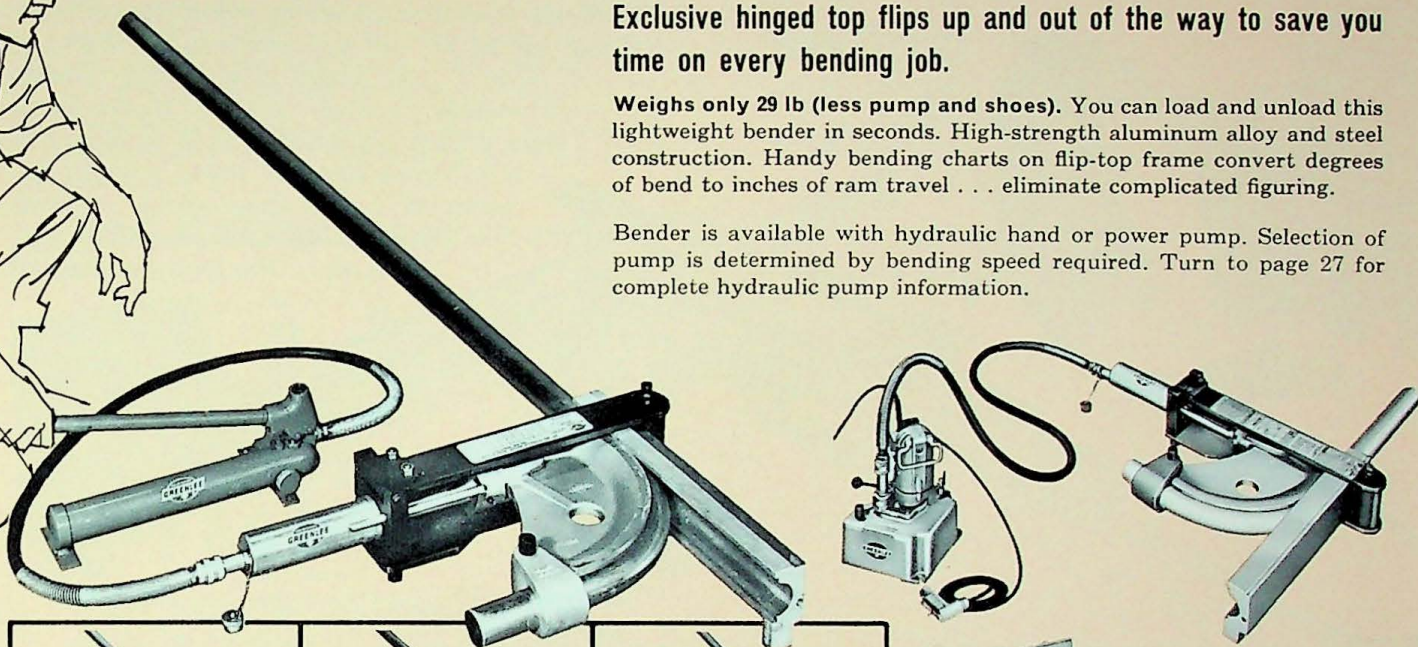


No. 882 "Flip-Top"® Bender for 1-1/4 thru 2" Thin-Wall (E.M.T.)

Exclusive hinged top flips up and out of the way to save you time on every bending job.

Weights only 29 lb (less pump and shoes). You can load and unload this lightweight bender in seconds. High-strength aluminum alloy and steel construction. Handy bending charts on flip-top frame convert degrees of bend to inches of ram travel . . . eliminate complicated figuring.

Bender is available with hydraulic hand or power pump. Selection of pump is determined by bending speed required. Turn to page 27 for complete hydraulic pump information.

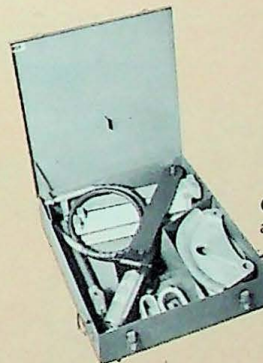


Load—Flip-top frame swings out of the way for faster loading of conduit.

Bend—A few strokes on the hand pump and the job is done.

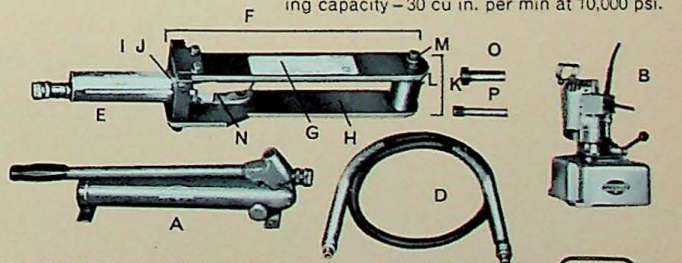
Unload—Top frame flips up so bent thin-wall can be unloaded quickly.

If you already own a Greenlee No. 755 hand pump or Nos. 915, 940, or 960 power pump, the No. 882 bender is available without pump and hose.

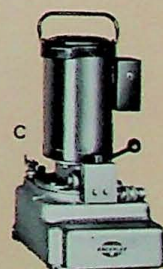


Comes in steel storage and shipping box.

Key	Control No.	Cat. No.	Description	Qty	Control No.	Catalog No.	Description
A		755	Hydraulic hand pump with 905 0807.6 female quick coupler	1		882-H-755	1-1/4" thru 2" Thin-wall (E.M.T.) Hydraulic Bender complete with No. 755 Hydraulic Hand Pump.
B		915-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1		882-E-915	1-1/4" thru 2" Thin-wall (E.M.T.) Hydraulic Bender, complete, same as above except with No. 915PS Hydraulic Power Pump. Pumping capacity—13 cu in. per min at 10,000 psi.
C		940SA-PS	Hydraulic power pump with 905 0807.6 female quick coupler	1		882-E-940	1-1/4" thru 2" Thin-wall (E.M.T.) Hydraulic Bender, complete, same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi.
D	501 1289.9		3/8" x 6' High pressure hose with two 905 0823.8 male quick couplers	1			
E		1738	12-ton Ram	1			
F	501 6563.1		Frame unit includes Key No. G thru M	1			
G	501 5136.3		Upper connecting plate unit	1			
H	501 5135.5		Lower connecting plate	1			
I	501 5150.9		Hinge pin	1			
J	905 0283.3		Retaining ring	2			
K	501 7880.6		Roller pin unit includes Key Nos. L and M	1			
L	501 7883.0		Roller	1			
M	501 7881.4		Pin unit	1			
N	501 5145.2		Yoke	1			
O	500 4086.3		Yoke pin	1			
P	500 4087.1		Saddle pin	1			



COMPLETE UNIT Including shoe, follow bar, and saddle			INDIVIDUAL PARTS		
E.M.T. SIZE	SHOE RADIUS	Cat. No.	SHOE Control No.	FOLLOW BAR Control No.	SADDLE Control No.
1-1/4"	7-3/16"	EMT G7	501 1146.9	501 1126.4	501 1075.6
1-1/2"	8-1/16"	EMT G8	501 4287.9	501 1107.8	501 1072.1
2"	9-5/16"	EMT G9	501 1132.9	501 1089.6	501 4279.8



No. 885-TE Hydraulic Power Bender for 2-1/2, 3, and 4" Thin-Wall Conduit

New No. 885-TE makes smooth, accurate bends you can't buy in thin-wall conduit . . . kicks, offsets, stub-ups . . . without kinking, wrinkling, or crushing. Makes 90° one-shot bends in 2-1/2 and 3" E.M.T.—45° bends in 4" E.M.T. Handy timesaving bending charts on bender frame show workmen exactly what to do. Selection of hydraulic hand or power pump is determined by bending speed required. Converts easily to bend rigid conduit and pipe. (See footnote page 15)

Available with hydraulic hand or power pump.

Comes in steel storage and shipping box.

Cat No.	Description
885-TE-960	2-1/2, 3, and 4" Thin-Wall Bender complete with No. 960-SA-PS hydraulic power pump
885-TE-940	2-1/2, 3, and 4" Thin-Wall Bender complete with No. 940-SA-PS hydraulic power pump
885-TH-1726	2-1/2, 3, and 4" Thin-Wall Bender complete with No. 1726 hydraulic hand pump

Key	Control No.	Cat. No.	Description
A		960SA-PS	Hydraulic Power pump with 905 0807.6 female quick coupler.
		940SA-PS	Hydraulic Power Pump with 905 0807.6 female quick coupler (not illustrated)
B		1726	Hydraulic Hand Pump with 905 0807.6 female quick coupler
C	501 1289.9		3/8" x 6' High-Pressure Hose with two 905 0823.8 male quick couplers.
D		1737	40-Ton Ram with 905 0807.6 female quick coupler (the 1737 Ram includes keys E through G).
E	501 6753.7		Cylinder Head Pin unit (2 required)
F	905 0302.3		Spring Clip (2 required)
G	501 0826.3		Ram Pin
H	501 8936.0		Roller
I	502 0813.6		Pin Unit, Roller
J	502 0807.1		Connecting Bar Unit (2 required)
K	501 8915.8		Yoke for 2-1/2, 3, 4" E.M.T.
L	500 2903.7		Yoke Pin for 2-1/2, 3, 4" E.M.T.
M	501 8937.9		Saddle Pin for 2-1/2, 3, 4" E.M.T.
N	500 4086.3		Optional Yoke Pin for 1-1/4, 1-1/2, 2" E.M.T.
P	500 4087.1		Saddle Pin for 1-1/4, 1-1/2, 2" E.M.T.
Q	500 6980.2		Yoke for 1-1/4, 1-1/2, 2" E.M.T.

Shoes, Follow Bars, and Saddles for No. 885-TE Thin-Wall (E.M.T.) Bender and Nos. 884-G14 and 885-G19 Conversion Attachment Sets. Sets are listed on page 19.

COMPLETE UNIT including shoe, follow bar, and saddle			INDIVIDUAL PARTS		
E.M.T. Size	Shoe Radius	Cat. No.	 SHOE Control No.	 FOLLOW BAR UNIT Control No.	 SADDLE Control No.
2-1/2"	13-1/2"	EMT-G16	501 8917.4	502 0426.2	501 8921.2
3"	16"	EMT-G17	501 8923.9	502 0427.0	501 8927.1
4"	21"	EMT-G18	501 8930.1	502 0428.9	501 8935.2
OPTIONAL					
1-1/4"	7-3/16"	EMT-G7	501 1146.9	501 1126.4	501 1075.6
1-1/2"	8-1/16"	EMT-G8	501 4287.9	501 1107.8	501 1072.1
2"	9-5/16"	EMT-G9	501 1132.9	501 1089.6	501 4279.8

Thin-Wall Attachment Sets for 1-1/4 thru 4" E.M.T.

for use with Greenlee Nos. 880, 883 and 777 benders:

You can quickly convert Greenlee one-shot or segment-type benders to make one-shot bends in 1-1/4 thru 2" thin-wall (E.M.T.) conduit with these economical attachment sets. Designed to make smooth, accurate bends—no kinking, wrinkling, or crushing.

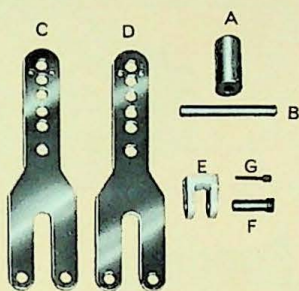
Optional shoe, follow bar and saddle available for bending 3/4" and 1" thin-wall (E.M.T.) See parts list below.

COMPLETE ATTACHMENT SETS

These sets include all items listed below under "Basic Attachment Sets" and "Shoes, Follow Bars, and Saddles," except the optional equipment.

Catalog No.	Description
EMT-G1	1-1/4" thru 2" Thin-wall (E.M.T.) Bending Attachment Set complete with shoe, follow bar and saddle for use with Nos. 880 and 883 Benders.
EMT-G2	1-1/4" thru 2" Thin-wall (E.M.T.) Bending Attachment Set complete with shoe, follow bar and saddle for use with No. 777 Bender.

BASIC ATTACHMENT SETS for use with shoes, follow bars and saddles listed below.



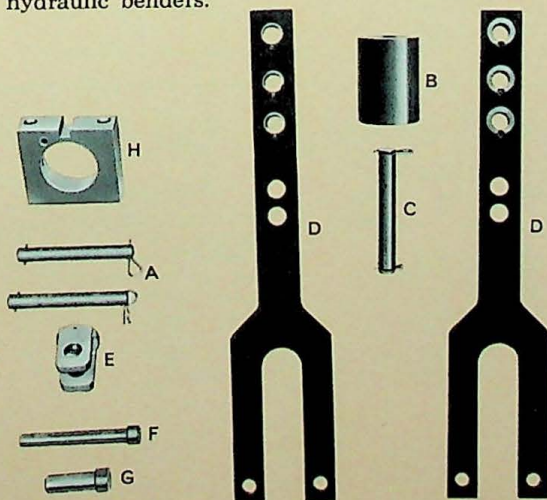
Key	For Benders Nos. 880-883	For Bender No. 777 Only	Attachment sets include the seven items listed below.	
	Cat. No. EMT-G4	Cat. No. EMT-G5		
	Control No.	Control No.	Description	Qty
A	500 2928.2	501 4094.9	Roller	1
B	501 0944.8	501 4496.0	Roller pin	1
C	501 1081.0	501 1081.0	Upper connecting bar	1
D	501 1278.3	501 1278.3	Lower connecting bar	1
E	501 1068.3	501 1068.3	Yoke	1
F	500 4086.3	500 4086.3	Yoke Pin	1
G	500 4087.1	500 4087.1	Saddle pin	1

Shoes, Follow Bars, and Saddles

COMPLETE UNIT including shoe, follow bar, and saddle			INDIVIDUAL PARTS			
1/2 and 3/4" shoes are aluminum. 1 thru 2" shoes are ductile iron.						
EMT SIZE	SHOE RADIUS	Cat. No.	EMT SIZE	SHOE RADIUS	FOLLOW BAR UNIT Control No.	SADDLE Control No.
1-1/4"	7-3/16"	EMT-G7	1-1/4"	7-3/16"	501 1146.9	501 1075.6
1-1/2"	8-1/16"	EMT-G8	1-1/2"	8-1/16"	501 4287.9	501 1072.1
2"	9-5/16"	EMT-G9	2"	9-5/16"	501 1132.9	501 4279.8
OPTIONAL						
3/4"	4-5/16"	EMT-G10	3/4"	4-5/16"	501 1141.8	501 1069.1
1"	5-5/8"	EMT-G11	1"	5-5/8"	501 1158.2	501 1079.9

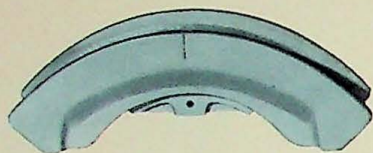
E.M.T. Conversion Attachment Sets for Greenlee Nos. 884 and 885 Benders

These conversion attachment sets can be mounted in a few minutes to all Greenlee No. 884 (4") or No. 885 (5") hydraulic benders.



Key	Control No.	Cat. No.	Description
		884-G14	2-1/2", 3", and 4" Thin-Wall (E.M.T.) Conversion Kit complete with shoe, follow bar, and saddle for use with Greenlee No. 884 bender.
		EMT-G15	Attachment Group includes the following eight items: Cylinder Pin Unit (2 required) Roller Pin Unit, Roller Connecting Bar Unit (2 required) Yoke for 2-1/2, 3, 4" E.M.T. Yoke Pin for 2-1/2, 3, 4" E.M.T. Saddle Pin for 2-1/2, 3, 4" E.M.T. Cylinder Block
A	501 6753.7		
B	501 8936.0		
C	502 0813.6		
D	502 0807.1		
E	501 8915.8		
F	500 2903.7		
G	501 8937.9		
H	501 6745.6		
	500 4086.3		Optional
	500 4087.1		Yoke Pin for 1-1/4, 1-1/2, 2" E.M.T.
	500 6980.2		Saddle Pin for 1-1/4, 1-1/2, 2" E.M.T.
		885-G19	Yoke for 1-1/4, 1-1/2, 2" E.M.T.
			2-1/2, 3, and 4" Thin-Wall (E.M.T.) Conversion Kit complete with shoe, follow bar, and saddle for use with Greenlee No. 885 Bender
		EMT-G20	Attachment Group includes the following six items: Roller Pin Unit, Roller Connecting Bar Unit (2 required) Yoke for 2-1/2, 3, 4" E.M.T. Yoke Pin for 2-1/2, 3, 4" E.M.T. Saddle Pin for 2-1/2, 3, 4" E.M.T.
B	501 8936.0		
C	502 0813.6		
D	502 0807.1		
E	501 8915.8		
F	500 2903.7		
G	501 8937.9		
	500 4086.3		Optional
	500 4987.1		Yoke Pin for 1-1/4, 1-1/2, 2" E.M.T.
	500 6980.2		Saddle Pin for 1-1/4, 1-1/2, 2" E.M.T.
			Yoke for 1-1/4, 1-1/2, 2" E.M.T.

Optional 90° one-shot ductile iron shoes for bending schedule 40 thru double extra-heavy pipe



For use with Greenlee Nos. 777, 785, 880, 883, 883-4, 884, and 885 benders.

Schedule 40, 80, 120, 160, and double extra-heavy pipe can be bent up to 90° in one shot on the job using Greenlee benders equipped with these versatile attachments. Conversion takes only a few minutes.

Bending capacity with Greenlee ductile iron shoes

Pipe Schedule	Greenlee Bender						
	No. 880	No. 883	No. 883-4	No. 777	No. 884	No. 885	No. 785
40 pipe	1-2"	1-2"	1-2"	1-2"	1-4"	1-4"	1-6"
80 pipe	1-2"	1-2"	1-2"	1-2"	1-4"	1-4"	1-4"
120 pipe	—	—	—	1-2"	1-4"	1-4"	1-4"
160 pipe	—	—	—	1-2"	1-3"	1-3"	1-4"
Double X	—	—	—	1-1-1/2"	1-3"	1-3"	1-4"

Optional Ductile Iron 90° Bending Shoes

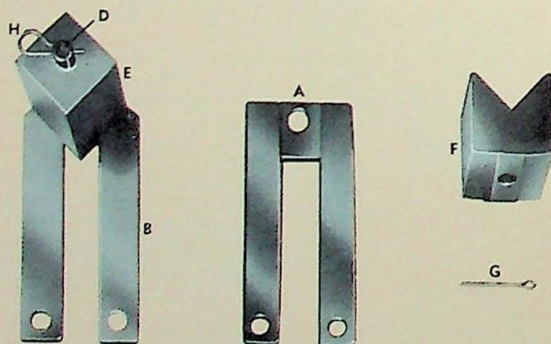
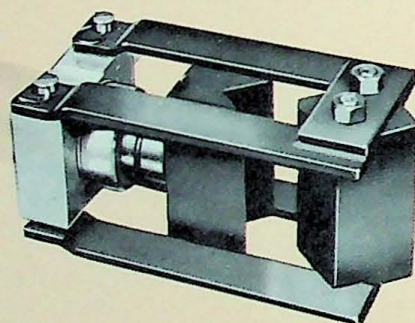
Control No.	Size	Centerline Radius
501 8764.3	1"	5-3/4"
501 8743.0	1-1/4"	7-1/4"
501 8745.7	1-1/2"	8-1/4"
501 8747.3	2"	9-1/2"
501 9504.2	2-1/2"	12-1/2"
501 9506.9	3"	15"
501 9508.5	4"	20"

Bus Bar Bending Attachment Sets

for use with Greenlee Nos. 880, 883, 884 and 885 benders:

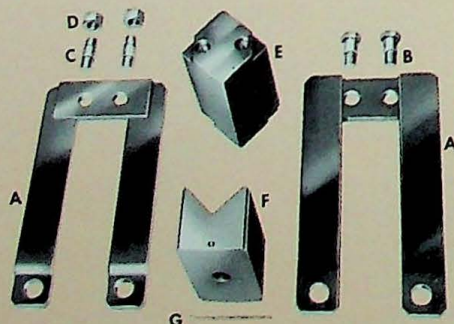
Bend up to 1" x 6" copper bus bars* easily, right on the job, using Greenlee segment- or one-shot conduit benders. Also, bend bars, reinforcing rods and flat stock. Make "U" bends, 90° bends or offsets quickly, accurately.

*No. BB-G1 attachment bends bus bars up to 3/4" x 4"; BB-G2 up to 1" x 6".



Attachment Sets for 3/4" x 4" Bus Bar

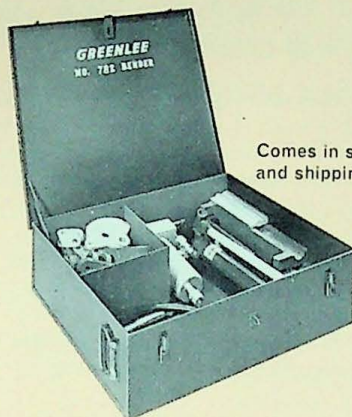
Key	Control No.	Cat. No.	Description	Qty
		BB-G1	3/4" x 4" Bus Bar Bending Attachment Sets for Nos. 880, and 883 Benders.	
A	500 3252.6		Upper connecting bar	1
B	500 3001.9		Lower connecting bar	2
C	500 3045.0		Lower connecting bar stud (not shown)	2
D	500 3005.1		Connecting bar pin	1
E	500 3002.7		Fixed V-block	1
F	500 3004.3		Movable V-block	1
G	501 0826.3		Pin	1
H	905 0302.3		Spring clip	1



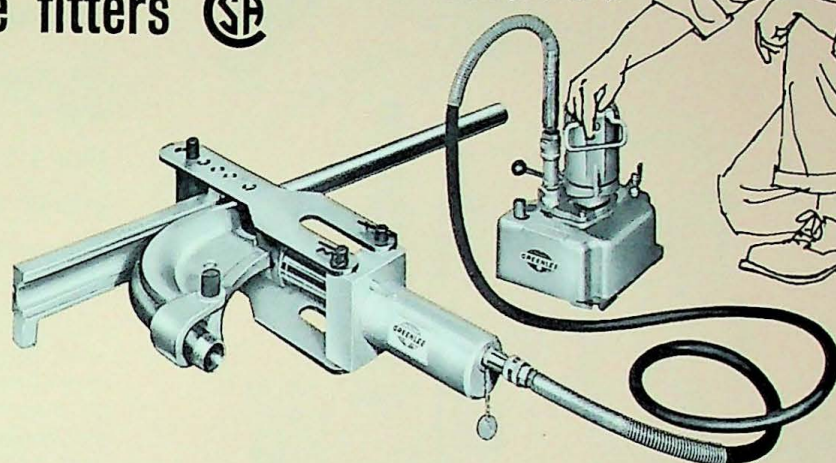
Attachment Sets for 1" x 6" Bus Bar

Key	Control No.	Cat. No.	Description	Qty
		BB-G2	1" x 6" Bus Bar Bending Attachment Set for No. 884 bender.	
A	501 1331.3		Upper and lower connecting bars	2
B	500 3063.9		Lower connecting bar bolt	2
C	501 1645.2		Upper connecting bar stud	2
D	905 0644.8		Upper connecting bar nut	2
E	501 0149.8		Fixed V-block	1
F	501 4188.0		Movable V-block	1
G	905 0360.0		Cotter pin	1

No. 782 1/2 thru 2" 90° One-Shot Hydraulic Pipe Bender for plumbers and pipe fitters



Comes in steel storage and shipping box.

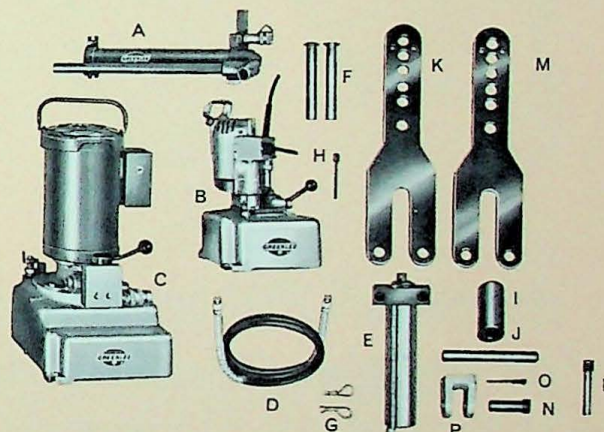


Available with hydraulic hand or power pump.

Reduces number of fittings and joints as much as 30%

Here's the FAST, accurate way to make full 90° bends in rigid pipe and conduit in a single setup. Smooth, perfect bends take only minutes with the new Greenlee No. 782 Hydraulic Bender, so the jobs go faster. Installations are neater, better looking. The number of fittings and joints can be reduced as much as 30%, and potential leakage points are eliminated. Pipe installation is easier. And, job time spent welding and threading can be reduced (bending action actually work-hardens the pipe for even greater strength at the bend).

Heavy-duty, 27-ton ram makes elbows, offsets, 180° bends and handles a wide range of conduit and pipe, including 1/2" thru 2" Schedule 40 pipe, Schedule 40S stainless, Schedule 10S bendable stainless, and 1/2" thru 1-1/4" Schedule 5S bendable stainless. Turn to page 27 for complete hydraulic pump information.



Cat. No.	Description
782-H-755	1/2" thru 2" Hydraulic Pipe Bender complete with No. 755 Hydraulic Hand Pump (Includes shoes, follow bars, and saddles listed below.)
782-E-915	1/2" thru 2" Hydraulic Pipe Bender same as above except with 915-PS Hydraulic Power Pump. Pumping capacity 13 cu in. per min at 10,000 psi. (Includes shoes, follow bars, and saddles listed below.)
782-E-940	1/2" thru 2" Hydraulic Pipe Bender same as above except with No. 940SA-PS Hydraulic Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi. (Includes shoes, follow bars, and saddles listed below.)

Control No.	Cat. No.	Description
A	755	Hand pump
B	915-PS	Power pump
C	940SA-PS	Power pump
D	501 1289.9	3/8" x 6" High-pressure hose
E	1736	27 Ton ram
F	501 3252.0	Cylinder pin unit (2 req.)
G	905 0302.3	Spring clip
H	501 0826.3	Ram pin
I	501 4094.9	Roller
J	501 4496.0	Roller pin
K	500 6878.4	Upper connecting bar
L	500 2937.1	Saddle pin for 1-1/2" and 2"
M	501 1083.7	Lower connecting bar
N	500 4086.3	Yoke pin
O	500 4087.1	Saddle pin for 1/2" thru 1-1/4"
P	500 6980.2	Yoke

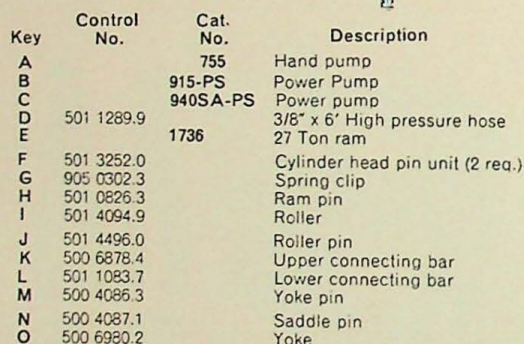
Shoes, Follow Bars, and Saddles for No. 782 Bender

COMPLETE UNIT including shoe, follow bar, and saddle			INDIVIDUAL PARTS				
1/2 and 3/4" shoes are aluminum. 1 thru 2" shoes are ductile iron.							
Pipe Size	Shoe Radius	Cat. No.	Pipe Size	Shoe Radius	SHOE Control No.	FOLLOW BAR UNIT Control No.	SADDLE Control No.
1/2"	3-7/8"	782R-G2	1/2"	3-7/8"	501 3742.5	501 3743.3	501 1078.0
3/4"	4-9/32"	782R-G3	3/4"	4-9/32"	500 2917.7	500 2919.3	500 2921.5
1"	4-7/8"	782R-G4	1"	4-7/8"	500 2922.3	500 6874.1	500 2926.6
1-1/4"	5-5/8"	782R-G5	1-1/4"	5-5/8"	500 3064.7	500 2949.5	500 2939.8
1-1/2"	8-3/16"	782R-G6	1-1/2"	8-3/16"	500 2947.9	500 2951.7	500 6877.6
2"	9-7/16"	782R-G7	2"	9-7/16"	500 2935.5	500 2953.3	500 2943.6



(See page 19 for E.M.T. attachment sets)

This specially designed bender makes accurate, smooth bends . . . without kinking, wrinkling, or crushing. One forward stroke of the ram makes a full 90° bend. Setup and bending takes only minutes . . . saves you valuable time. Easy to operate, can be operated by a fast, single-speed hand pump or power pump (with pendant switch for push-button control). It is designed to bend welded and bendable stainless tubing with wall thickness ranging from .065" to .150"



Cat. No.	Description
782TU-H-755	3/4" thru 2-1/8" O.D. Hydraulic Tubing Bender complete with No. 755 Hand Pump. (Shoe, follow bar, and saddle not included . . . see below).
782TU-E-915	3/4" thru 2-1/8" O.D. Hydraulic Tubing Bendersame as above except with No. 915-PS Hydraulic Power Pump. Pumping capacity -13 cu in. per min at 10,000 psi. (Shoe, follow bar, and saddle not included . . . see below)
782TU-E-940	3/4" thru 2-1/8" O.D. Hydraulic Tubing Bender same as above except with No. 940SA PS Power Pump. Pumping capacity—30 cu in. per min at 10,000 psi. (Shoe, follow bar, and saddle not included . . . see below).

Key	Control No.	Cat. No.	Description
		TU-G1	3/4" thru 2-1/8" O.D. Tube Bending Attachment Set for Greenlee Nos. 880, and 883 Benders. (Shoes, follow bars, and saddles not included . . . see individual parts list.)
A	500 2928.2		Roller
B	501 0944.8		Roller pin
C	501 1081.0		Upper connecting bar
D	501 1278.3		Lower connecting bar
E	501 1068.3		Yoke
F	500 4086.3		Yoke pin
G	500 4087.1		Saddle pin

Key	Control No.	Cat. No.	Description
		TU-G2	3/4" thru 2-1/8" O.D. Tube Bending Attachment Set No. 777 Bender. (Shoe, follow bar, and saddle not included . . . see individual parts list.)
A	501 4094.9		Roller
B	501 4496.0		Roller pin
C	501 1081.0		Upper connecting bar
D	501 1278.3		Lower connecting bar
E	501 1068.3		Yoke
F	500 4086.3		Yoke pin
G	500 4087.1		Saddle pin

COMPLETE UNIT including shoe, follow bar and saddle			INDIVIDUAL PARTS for Greenlee No. 782-TU Bender and Nos. TU-G1 and TU-G2 Attachment Sets			
Tubing			Tubing			
O.D. Size	Shoe Radius	Cat. No.	O.D. Size	Shoe Radius	SHOE Control No.	FOLLOW BAR UNIT Control No.
3/4"	3-27/64"	TU-G3	3/4"	3-27/64"	501 1151.5	501 4280.1
7/8"	3-27/64"	TU-G4	7/8"	3-27/64"	501 1150.7	501 1086.1
1"	4-5/16"	TU-G5	1"	4-5/16"	501 1142.6	501 1117.5
1-1/8"	4-5/16"	TU-G6	1-1/8"	4-5/16"	501 1144.2	501 1119.1
1-1/4"	5-5/8"	TU-G7	1-1/4"	5-5/8"	501 1160.4	501 1124.8
1-3/8"	5-5/8"	TU-G8	1-3/8"	5-5/8"	501 1159.0	501 1131.0
1-1/2"	7-3/16"	TU-G9	1-1/2"	7-3/16"	501 1149.3	501 1129.9
1-5/8"	7-3/16"	TU-G10	1-5/8"	7-3/16"	501 1148.5	501 1128.0
1-3/4"	8-1/32"	TU-G11	1-3/4"	8-1/32"	502 0525.0	502 0526.9
1-7/8"	8-1/32"	TU-G12	1-7/8"	8-1/32"	501 1156.6	501 1111.6
2"	8-1/32"	TU-G13	2"	8-1/32"	501 1155.8	501 1109.4
2-1/8"	9-17/64"	TU-G14	2-1/8"	9-17/64"	501 1133.7	501 1104.3
						SADDLE Control No.
						501 6444.9
						501 6445.7
						501 6403.1
						501 6413.9
						501 6414.7
						501 6415.5
						501 6416.3
						501 1080.2
						501 6417.1
						501 6443.0
						501 1071.3
						501 1070.5

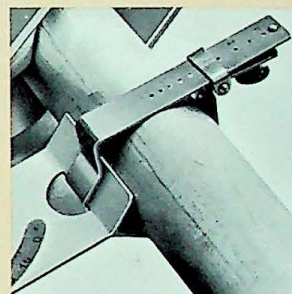
BENDING ACCESSORIES

Greenlee offers a group of attachments that improve accuracy and save you hours of bending time when making segment or large-radius bends.

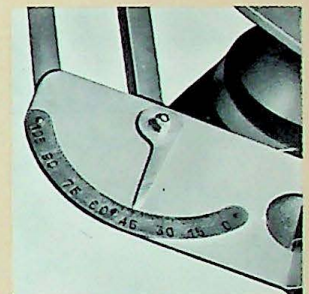
No. 1807 Bending Degree Indicator

Most accurate way to measure degree of bend on 1/2" thru 6" conduit as it is being bent. Indicator can be used with all horizontal-type benders — one-shot or segment-type. Large scale is calibrated in degrees from 0 to 90 and is easy to read. Quick-adjusting clamps for easy mounting on 1/2" thru 4" pipe, all sizes of conduit including 3/4" through 2" E.M.T. and 7/8" O.D. and larger tubing.

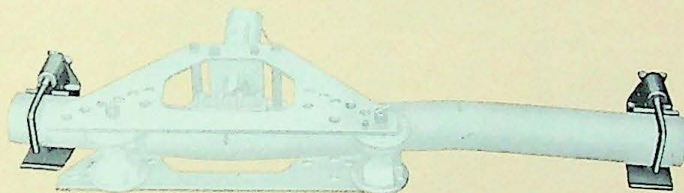
Control No.	Cat. No.	Description
	1807	Pipe Bending Degree Indicator Complete for 1/2" thru 4" conduit and pipe
	1807-G3	Attachment for 5" and 6" conduit and pipe includes the following items:
501 2734.9		5" Clamp (2 req.)
501 2735.7		6" Clamp (2 req.)
501 5127.4		36" Extension (4 req.)



Quick-set clamps speed mounting and removal



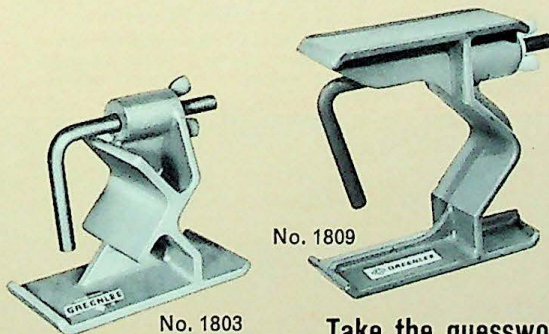
Large scale shows exact degree of bend



No. 1803 and 1809 Pipe Holders

Prevent "wows" and "doglegs" during segment and offset bending with these durable pipe holders. Holders clamp quickly to each end of the pipe to keep it level and parallel with bender shoes and pipe supports. One size fits 1-1/4" thru 4" pipe.

Cat. No.	Description
1803	Pipe Holder for 1-1/4" thru 4" conduit and pipe (2 req.)
1809	Pipe Holder for 1-1/4" thru 6" conduit and pipe for Nos. 885 and 785 Benders (2 req.)



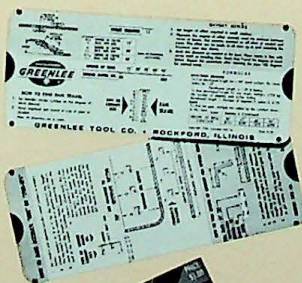
No. 1803

No. 1809

Take the guesswork out of conduit and pipe bending with these handy aids

Pocket Calculator

Easy to use . . . saves valuable time. Quickly figures all data needed to lay out and bend offsets, one-shot 90° bends, "legs," or "stub-ups" in 1/2" thru 4" conduit or pipe. Converts degrees of bend to inches of ram travel. Use it with Greenlee Nos. 880, 883, 884 and 777 hydraulic benders.



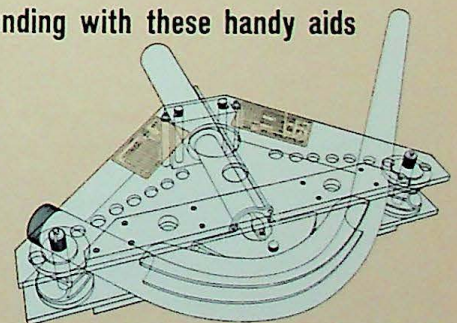
Bending Handbook

This handy, pocket-size 44-page booklet is designed to aid workmen in perfecting timesaving techniques and principles of bending rigid and thin-wall conduit and pipe on the job.



Bending Data Decals

Replace original Greenlee bending data decals that have become marred through hard use. Pressure sensitive, easy to apply. Large easy-to-read numbers. Eliminate complicated figuring. (Please state bender model for no charge replacement.)



Mechanical Bender for E.M.T., Rigid, and Schedule 40 Pipe

No. 1818 Mechanical Bender for 3/4 thru 2" E.M.T. (thin wall). 1/2 thru 1-1/2" rigid conduit, 1/2 thru 2" aluminum . . . and 1/2 thru 1-1/2" schedule 40 pipe

Takes less muscle—7-to-1 mechanical advantage reduces effort . . . makes this the easiest-to-use multipurpose hand bender on the market. Built-in ratchet lets workmen apply short, powerful strokes for faster bending.



Speed-bends E.M.T.—workmen can bypass ratchet for fast, direct E.M.T. bending on smaller sizes.



Automatic ejection of bent pipe—releasing ratchet lock ejects the bent pipe . . . saves time on every bend.



"Swing-away" clamp—cuts loading and unloading time. Each shoe has its own permanently mounted clamp that swings over the pipe to lock it in place. Eliminates time lost hammering clamps on and off.

Positive shoe lock—makes loading easier, because shoe can't swing free as conduit is inserted.



Compensating bending degree indicator—lets you compensate for variations in "spring-back" due to differences in pipe size and material. Guarantees accurate bends every time.

Strongest frame—heavy-duty base under the bender stays put . . . resists deflection during bending. Two-wheeled undercarriage gives maximum support, makes moving easier.



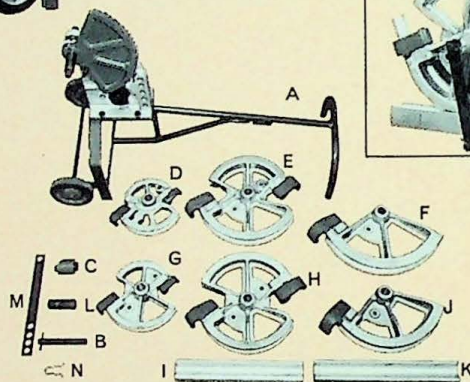
Separate ratchet mechanism—"lifetime" ductile iron ratchet mechanism is independent of bending shoes.



Convenient storage box—all components except bender frame and head assembly are shipped in their own sturdy, all-steel storage box.



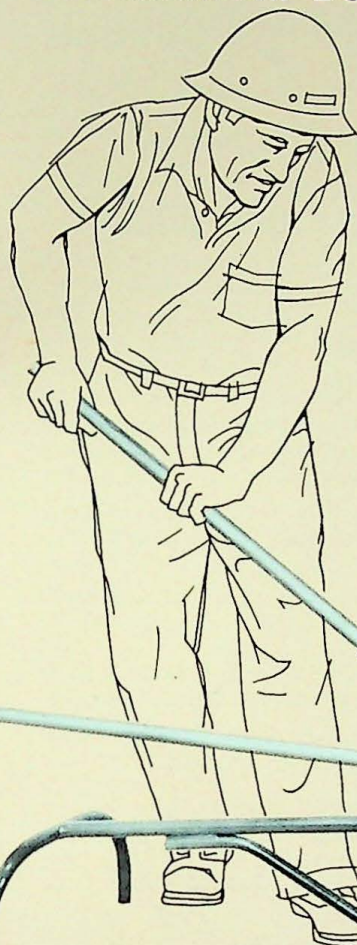
Bend rigid



Bend E.M.T.

Key	Control No.	Cat. No.	Description
		1818	Mechanical Bender complete with attachments for bending 1/2 thru 1-1/2" rigid steel and aluminum conduit, 2" aluminum conduit, and 3/4 thru 2" thin-wall (EMT) conduit.
		1818-R	Mechanical Rigid Bender complete with attachments for bending 1/2 thru 1-1/2" rigid steel and aluminum conduit and 2" aluminum conduit.
		1818-T	Mechanical E.M.T. Bender complete with attachments for bending 3/4 thru 2" thin-wall (EMT) conduit.
A	501 8629.9 501 8630.2	1818-G1	Frame and Undercarriage Unit. The 1818-G1 includes the following two items: Frame Unit Undercarriage Unit
B	501 8626.4	1818-G2	Shoes and Bending Accessories The 1818-G2 includes the following thirteen items:
C	501 8681.7		Roller Pin Unit
D	501 8827.5		Cushioned Roller Unit
E	501 8828.3		1/2, 3/4 & 1" Rigid Shoe Unit
F	501 8829.1		1-1/4 & 1-1/2" Rigid Shoe Unit
G	501 8830.5		2" Rigid Aluminum Shoe Unit
H	501 8831.3		3/4 & 1" EMT Shoe Unit
I	501 8642.6		1-1/4 & 1-1/2" EMT Shoe Unit
J	501 8832.1		1-1/4 & 1-1/2" EMT Follow Bar
K	501 8636.1		2" EMT Shoe Unit
L	501 8672.8		2" EMT Follow Bar
M	501 8674.4		EMT Roller
N	501 8772.4		Tie Bar
		1818-G3	Rigid Shoes and Bending Accessories The 1818-G3 includes the following seven items: Roller Pin Unit Cushioned Roller Unit 1/2, 3/4 & 1" Rigid Shoe Unit 1-1/4 & 1-1/2" Rigid Shoe Unit 2" Rigid Aluminum Shoe Unit Tie Bar Retainer Clip
		1818-G4	E.M.T. Shoes and Bending Accessories The 1818-G4 includes the following ten items: Roller Pin Unit Cushioned Roller Unit 3/4 & 1" EMT Shoe Unit 1-1/4 & 1-1/2" EMT Shoe Unit 1-1/4 & 1-1/2" EMT Follow Bar 2" EMT Shoe Unit 2" EMT Follow Bar EMT Roller Tie Bar Retainer Clip

Mechanical Benders for Rigid Conduit and Schedule 40 Pipe



No. 1800 for 1/2, 3/4, 1"

No. 1801 for 1-1/4, 1-1/2"

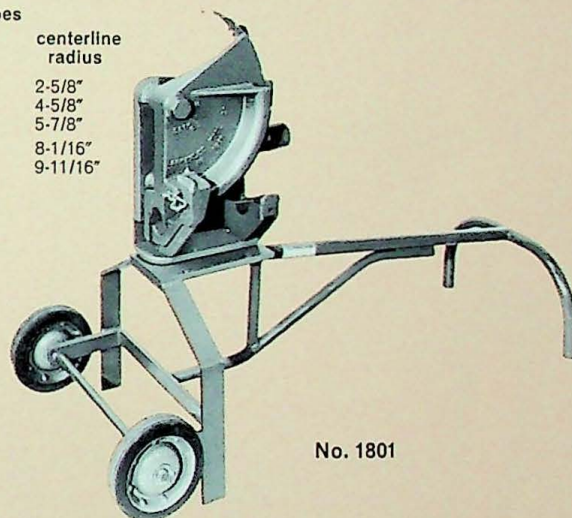
Direct handle operation speeds bending of small-diameter conduit or pipe. Built-in bending gauge reads 0 to 90°. Roller support relieves friction, speeds bending of larger pipe sizes.

Units have "swing-away" pipe clamping device for fast loading and unloading. Easy-to-reach ratchet release. Undercarriage with rubber-tired wheels lets workmen take ratchet benders anywhere on the job. No loose parts.

Cat. No.	Description
1800	Mechanical Bender for 1/2", 3/4", 1" pipe. Overall size 39" long, 8-5/8" wide
1801	Mechanical Bender for 1-1/4", 1-1/2" pipe. Overall size 36" long, 10" wide

Bending Shoes

	size of conduit	centerline radius
1800	1/2"	2-5/8"
	3/4"	4-5/8"
	1"	5-7/8"
1801	1-1/4"	8-1/16"
	1-1/2"	9-11/16"



No. 1800

No. 1801



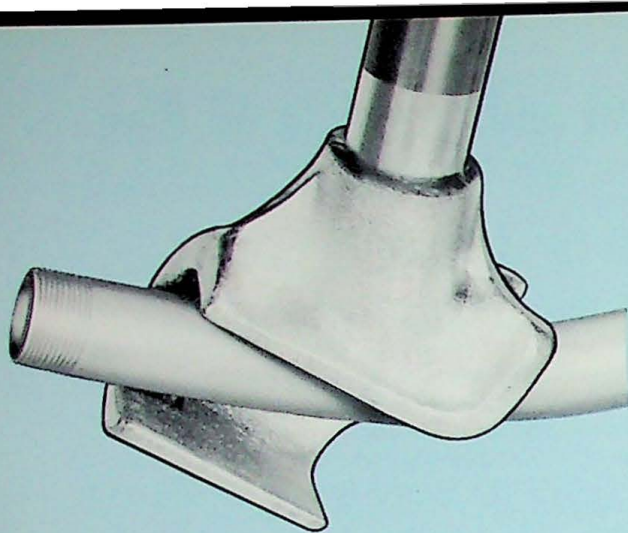
"Swing-away" pipe clamp makes loading fast, easy.



Heavy-duty ratchet action takes the hard work out of hand bending.



Bending degree indicator helps give perfect bends from 0 to 90°.



Greenlee Hickeys for rigid conduit

Nos. 508, 512, 516 Hickeys for 1/2, 3/4, 1" rigid conduit

Heavy-duty handle permanently
welded to cast steel head

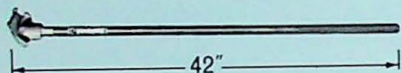
Safe one-piece construction—Handle can't loosen or break. Protects your men against costly accidents. *Fully guaranteed under normal usage.*

Factory welded—It's ready to go to work immediately. No handles to thread or weld. Saves you valuable time and material.

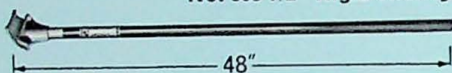
Bends short radius—Best bender made for the tight stub-ups required in today's thinner slab work.

New nonslip bending head—Cast steel is stronger than cast iron to give you years of trouble-free safe service.

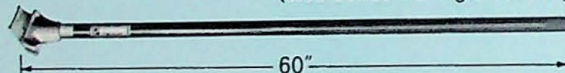
Famous Greenlee reliability—Designed by electricians, for electricians . . . tried and proved on the job.



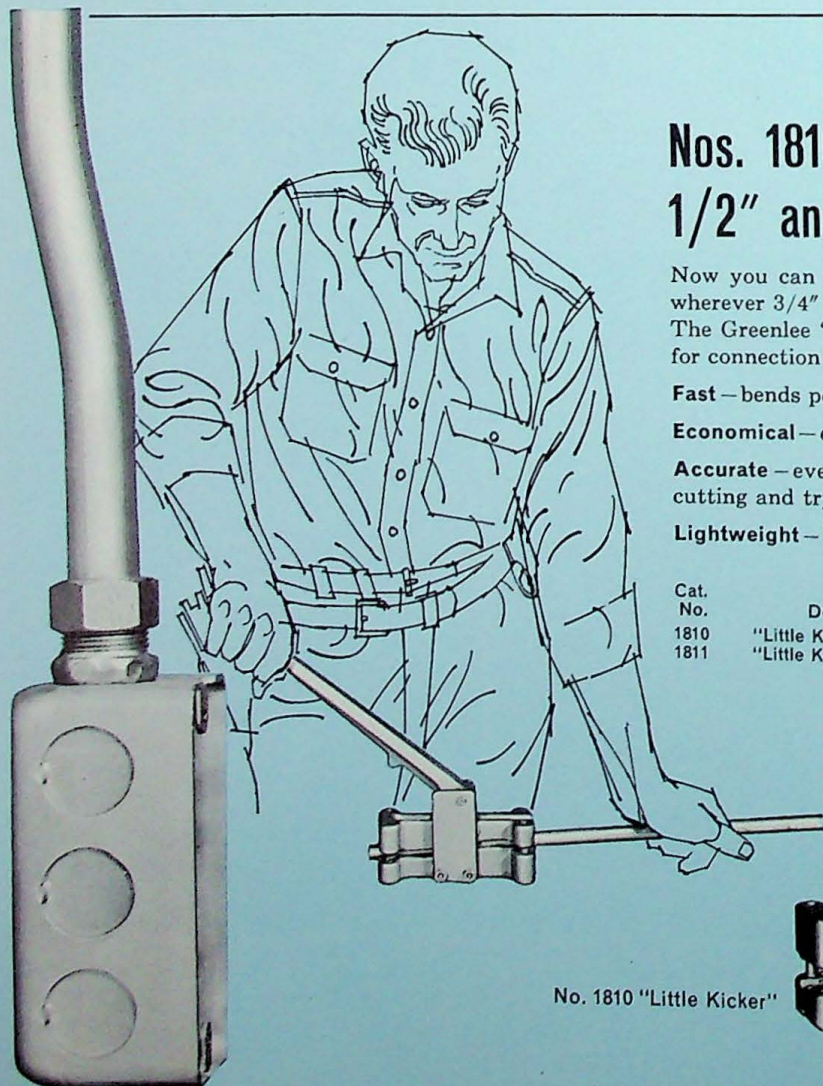
No. 508 1/2" Rigid Hickey



No. 512 3/4" Rigid Hickey
(also bends 1/2" rigid conduit)



No. 516 1" Rigid Hickey



Nos. 1810, 1811 "Little Kickers" for 1/2" and 3/4" thin-wall E.M.T.

Now you can eliminate the need for costly offset connectors wherever 3/4" or 1/2" E.M.T. is used in exposed installations. The Greenlee "Little Kicker" saves you up to 12¢ in material for connection . . . makes wire pulling smoother, easier.

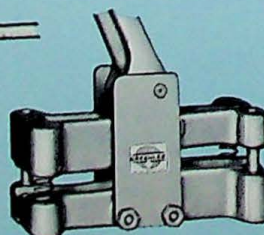
Fast—bends perfect offsets in 2 seconds!

Economical—eliminates costly offset connectors.

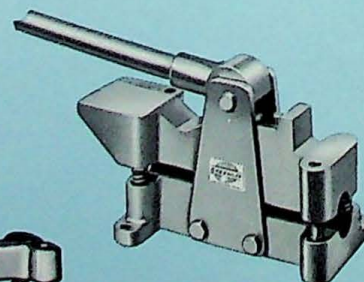
Accurate—every bend is identical . . . no time lost refitting or cutting and trying.

Lightweight—heavy-duty aluminum alloy construction.

Cat. No.	Description
1810	"Little Kicker" 1/2" E.M.T.
1811	"Little Kicker" 3/4" E.M.T.



No. 1810 "Little Kicker"



No. 1811 "Little Kicker"

HYDRAULIC POWER AND HAND PUMPS

11 standard models • pressures to 10,000 psi

Greenlee Nos. 940 and 960 . . .
biggest values ever offered in hydraulic power pumps. The ideal power source for Greenlee and all other hydraulic benders.

Power to help you get more work done per day. These pumps are the fastest and most powerful in their class. They feature high-volume, low-pressure pumping for fast ram approach with automatic changeover to low-volume, high-pressure drive. For 6,000 psi continuous; 10,000 psi intermittent service. Equipped with four casters.

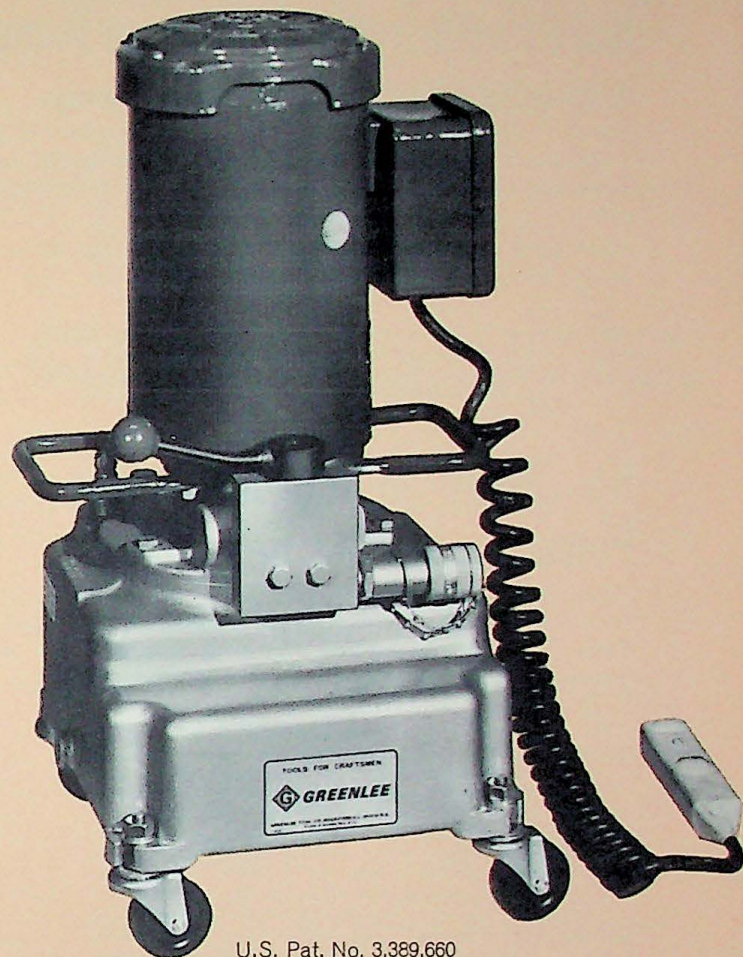
No. 940 with 1-hp, 115 v, a-c motor delivers 150 cu in. per minute up to 100 psi; 30 cu in. per minute up to 10,000 psi. 6-1/4 qts (361 cu in.) of usable oil volume.

No. 960 with 1-1/2-hp, 115/230 v, a-c motor delivers a BIG 300 cu in. per minute up to 100 psi; 60 cu in. per minute up to 10,000 psi. 6-1/4 qts (361 cu in.) of usable oil volume.

Reliability for years of low-cost, trouble-free operation. Radial piston-type pump has no complex mechanisms to get out of adjustment. Positive displacement pumping action assures uniform flow *plus* efficient operation.

Fingertip control for faster, more precise tool operation. Handy portable pendant switch connected to 8-ft electric cord gives workmen fingertip control of pump.

Catalog No.	Description
940SA-PS	1-hp Hydraulic Power Pump for use with Greenlee and other hydraulic tools having spring-return rams. Includes push-button pendant switch on 8-ft cord; 3-wire power cord; 115/230 v, a-c motor, and 3/8" female quick coupler, and four casters.
940TA-PS	1-hp Hydraulic Power Pump for use with hydraulic tools having pressure advance and return of the ram (2-hose hydraulic systems). Equipped with casters.
960SA-PS	1-1/2-hp Hydraulic Power Pump for use with Greenlee and other hydraulic tools having spring-return rams. Includes push-button pendant switch on 8-ft cord; 3-wire power cord; 115/230 v, a-c motor; and 3/8" female quick coupler. Equipped with casters.
960TA-PS	1-1/2-hp Hydraulic Power Pump for use with hydraulic tools having pressure advance and return of the ram (2-hose hydraulic systems). Equipped with casters.



Complete information on other Greenlee pumps on request.

Greenlee Hydraulic Power and Hand Pumps

MODEL (Cat. No.)	POWER SOURCE			VOLUME (cu in./min)			DIMENSION		RESERVOIR	USABLE OIL	WT
	Type	Hp	Volts	100 psi	5000 psi	10,000 psi	Height	Base Size	CAPACITY (qt)	VOLUME (qt)	(lb)
940SA-PS *940TA-PS	a-c	1 NEMA	115- 230	150	37	30	20-9/16"	12 x 10-3/4"	8.00	6.25	81
960SA-PS *960TA-PS	a-c	1-1/2 NEMA	115- 230	300	75	60	22-5/16"	12 x 10-3/4"	8.00	6.25	85
915-PS	a-c/ d-c	1/2 approx	115	150	15	13	11-3/8"	8 x 8"	2.60	2.00	22
797E-SA *797E-TA	a-c	2 NEMA	220- 440	264	243	106	22"	22-3/16 x 10"	12.00	10.00	280 (less motor and pulley)
797G-SA	gasoline	4-1/2 bhp	—	264	243	106	20-1/2"	35-1/2 x 10"	12.00	10.00	400
767	Hand operated	—	—				3-3/4"	—	.36	.29	6
755	Hand operated	—	—				6-3/4"	—	1.00	.87	18
1726	Hand operated	—	—				8-3/4"	—	2.77	2.07	28

*Same as SA-PS models except for use with hydraulic tools having pressure advance and pressure return of the ram (2-hose hydraulic systems.)

HYDRAULIC POWER AND HAND PUMPS

No. 915-PS Hydraulic Power Pump

Heavyweight power... in a lightweight package

Now . . . double (or even triple) the operating speeds of your small, hand-powered hydraulic tools. This Greenlee hydraulic pump pays for itself on the first few jobs out of timesavings alone.

No. 915-PS with 115 v, a-c/d-c motor delivers 150 cu in. per min at 100 psi; 13 cu in. per min at 10,000 psi.

Cat. No.	Description
915-PS	Compact Hydraulic Power Pump for use with Greenlee and other hydraulic tools having spring-return rams. Includes push-button pendant switch on 8-ft cord; 3-wire power cord; 115 v, a-c/d-c motor.



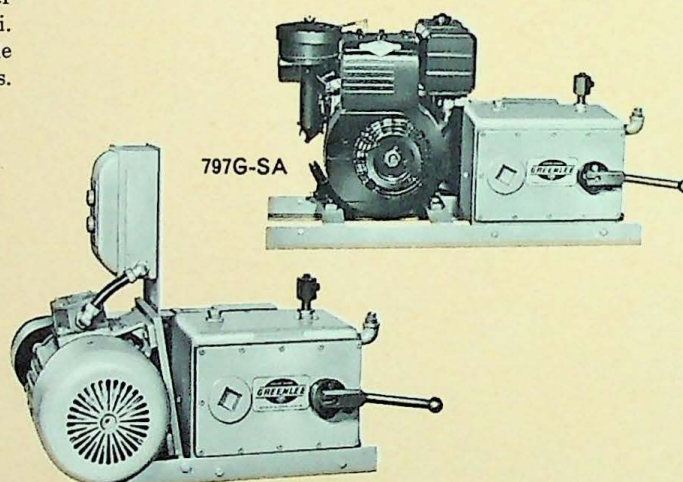
915-PS

U.S. Patent No. 3,389,660

No. 797 High-Capacity Power Pumps... for the BIG jobs

These heavy-duty pumps deliver up to 264 cu in. of oil per minute at 100 psi . . . 106 cu in. per minute at 10,000 psi. Pump reservoir and control valves are mounted in a single housing. Choice of electric motor or gasoline engine drives.

Cat. No.	Description
797E-SA	High-Pressure Power Pump for use with Greenlee and other hydraulic tools having spring-return rams. Without motor and controls. Can be equipped with a 2 h.p. 3 phase or 3 h.p. single phase or 3 phase motor.
797E-TA	High-Pressure Power Pump for use with hydraulic tools having pressure advance and return of the ram. (2-hose hydraulic systems.) Without motor and controls. Can be equipped with a 2 h.p. 3 phase or 3 h.p. single phase or 3 phase motor.
797G-SA	High-Pressure Power Pump for use with Greenlee and other hydraulic tools having spring-return rams. Equipped with 4-1/2-hp Briggs & Stratton gasoline engine.
1-2638	Mobile Rubber-Tired Undercarriage (optional)



797G-SA

797E-SA

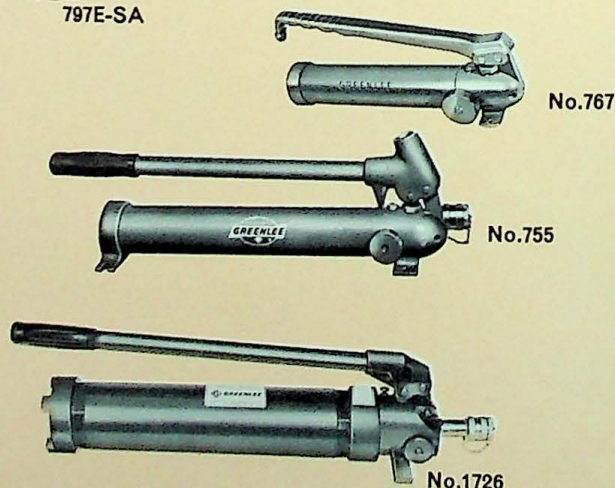
Hand Pumps

No. 767 single-speed bantam-weight hand pump—lightweight (6 lb), portable easy to operate. For use with Greenlee No. 7646 and 1731 knockout punch drivers and other tools in its power range (up to 6,500 psi).

No. 755 single-speed high-pressure, hydraulic hand pump—for use with Greenlee Nos. 880, 882, 883, 777 and 772 benders; Nos. 1731 and 1732 knockout punch drivers. Lightweight, portable. Develops up to 10,000 psi. Follower in pump permits operation in any position. Reservoir capacity—1 qt.

No. 1726 BIG capacity hand pump—two-speed action for fast approach and high-pressure drive. Used with Greenlee No. 884 bender and other tools in its pressure range (up to 10,000 psi).

Cat. No.	Description
755	Single-Speed High-Pressure (10,000 psi) Hand Pump
767	Single-Speed Bantam-Weight Hand Pump (6,500 psi)
1726	Heavy-Duty Two-Speed Hand Pump (10,000 psi)



No.767

No.755

No.1726

This oil is specially compounded for use with Greenlee hydraulic equipment . . . refinery-filtered to give you the finest oil available.

NOTE: For best operation...and for protection of your Greenlee hydraulic-powered equipment, use Greenlee hydraulic oil only. (Do not use hydraulic brake fluid, shock absorber fluid, alcohol, glycerine, castor oil or other non-specified fluid—as they reduce performance and can cause damage to pumps and equipment.) Use of improper fluids waives the guarantee on Greenlee hydraulic equipment.

Greenlee-Approved Hydraulic Oil

Control No.	Cat. No.	Description
905 1059.3	4016-GB	One Gallon Can
905 0806.8	4017-GB	One Quart Can



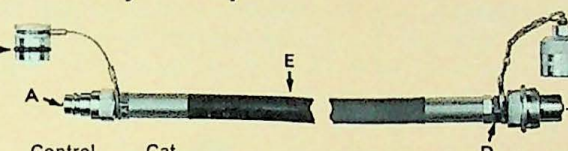
Hose, Accessories and Fittings

High-pressure hose unit for connecting No. 767 hydraulic hand pump to Nos. 1731 and 7646 hydraulic punch drivers and No. 750 hydraulic-powered cable cutter



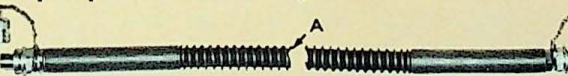
Key	Control No.	Cat. No.	Description
	501 5627.6	1-5627	1/4" x 3' High-Pressure Hose Unit Includes:
A	905 0386.4	921-GB	1/4" x 3' high-pressure hose
B	905 0280.9	5-0280	1/4" male coupler
C	905 0315.5	5-0315	1/4" dust cap for male coupler
	502 0483.1		1/4" x 6' High-Pressure Hose Unit Includes:
A	905 1688.5	5-1688	1/4" x 6' high-pressure hose
B	905 0280.9	5-0280	1/4" male coupler
C	905 0315.5	5-0315	1/4" dust cap for male coupler

Hose unit for connecting No. 915-PS power pump to No. 750 hydraulic-powered cable cutter



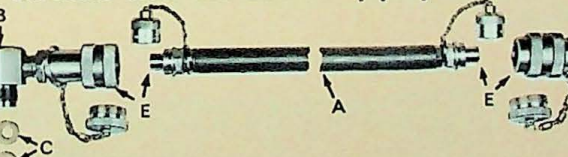
Key	Control No.	Cat. No.	Description
	501 7707.9	1-7707	1/4" x 3' High-Pressure Hose Unit complete
A	905 0280.9	5-0280	1/4" male coupler
B	905 0315.5	5-0315	Dust cap
C	905 0823.8	4033-GB	3/8" male coupler with dust cap
D	905 0426.7	1133-GB	Reducer
E	905 0386.4	921-GB	1/4" x 3' high-pressure hose

High-pressure hose unit for connecting power and hand pumps to Greenlee hydraulic benders



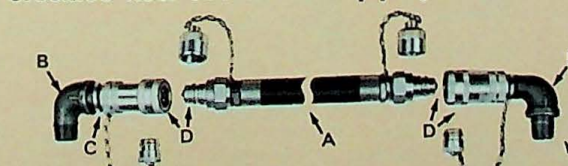
Key	Control No.	Cat. No.	Description
	501 1289.9	1-1289	3/8" x 6' High-Pressure Hose Unit Includes:
A	905 0760.6	3687-GB	6' high-pressure hose
B	905 0823.8	4033-GB	Male couplers with dust caps (2 required)

High-pressure hose unit for connecting power pump to Greenlee Nos. 790 and 795 pipe pushers



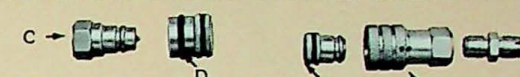
Key	Control No.	Cat. No.	Description
	501 0460.8	1-0460U	3/8" x 15' High-Pressure Hose Unit Includes:
A	905 0374.0	712-GB	3/8" x 15' high-pressure hose
B	500 7227.7	ABA-471	Hose connection plug
C	500 3584.3	ABA-211	Copper washers (2 required)
D	905 0503.4	1720-GB	3/8" Pipe plug (not illustrated)
E	905 0696.0	3548-GB	High-pressure quick couplers (2 required)

Low-pressure hose units for connecting power pumps to Greenlee Nos. 790 and 795 pipe pushers



Key	Control No.	Cat. No.	Description
	501 0461.6	1-0461	3/4" x 15' Low-Pressure Hose Unit Includes:
A	905 0348.1	608-GB	3/4" x 15' low-pressure hose
B	905 0473.9	1547-GB	3/4" street ells (2 required)
C	905 0490.9	1626-GB	3/4" nipple (2 required)
D	905 0732.0	3647-GB	3/4" quick couplers (2 required)

Quick coupler for 1/4" high-pressure hose for use with No. 7646 and No. 1731 Knockout Punch Drivers



Key	Control No.	Cat. No.	Description
	501 5688.8	1-5688	1/4" High-Pressure Quick Couplers Includes:
A	905 0259.0	5-0259	Female coupler
B	905 0314.7	5-0314	Dust plug for female coupler
C	905 0280.9	5-0280	Male coupler
D	905 0315.5	5-0315	Dust cap for male coupler
E	905 0326.0	5-0326	1/4" Hex Nipple

Quick-coupler for 3/8" high-pressure hose for use with all Greenlee benders, pipe pushers, and power pumps



Key	Control No.	Cat. No.	Description
	502 0573.0	3548-GB	3/8" High-Pressure Quick Coupler
A	905 0807.6	4018-GB	Female coupler with dust cap
B	905 0823.8	4033-GB	Male coupler with dust cap

Quick coupler for 3/4" low-pressure hose for use with Greenlee pipe pushers



Key	Control No.	Cat. No.	Description
	905 0732.0	3647-GB	3/4" Quick Coupler with Dust Cap and Plug Includes:
A	905 0066.0	4037-GB	Female end with dust plug
B	905 0064.4	4038-GB	Male end with dust cap

ADAPTER UNIONS

Control No.	Description
905 1636.2	Step-up adapter union, 1/4" male x 3/8" female fitting. Use to adapt No. 7646 ram and No. 750 Cable Cutter for use with 3/8" hose to connect to No. 755 hand pump and No. 915 power pump.

Adapter union for connecting two or more 3/8" high-pressure hoses or quick couplers

Control No.	Cat. No.	Description
905 0375.9	713-GB	Adapter Union, 3/8" F x 3/8" F

Adapter union for connecting two or more lengths of 3/4" low-pressure hoses

Control No.	Cat. No.	Description
905 0367.8	703-GB	Adapter Union 3/4" F x 3/4" F

Hydraulic Oil

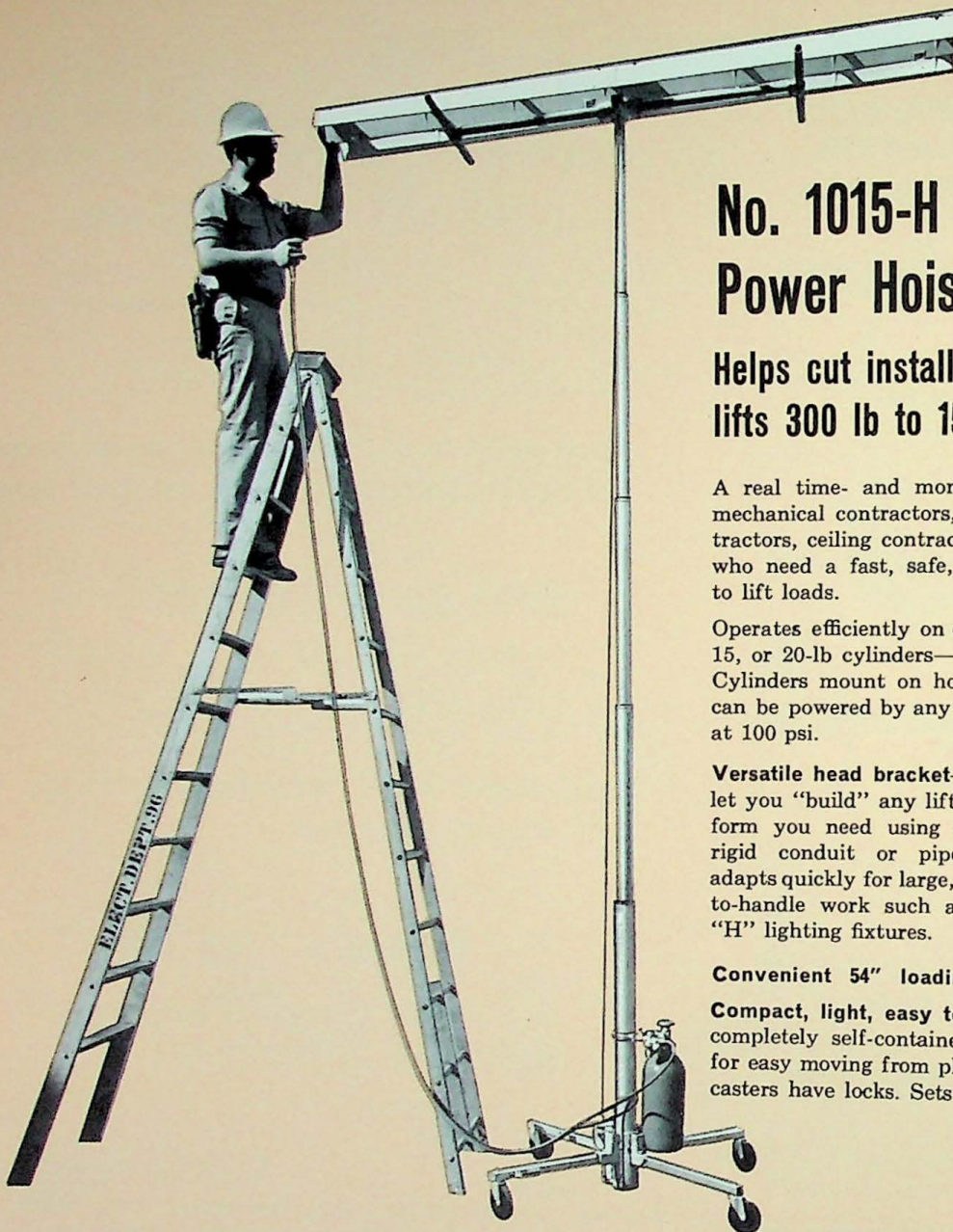


Greenlee-approved hydraulic oil

This oil is specially compounded for use with Greenlee hydraulic equipment . . . refinery-filtered to give you the finest oil available.

NOTE: For best operation . . . and for protection of your Greenlee hydraulic-powered equipment, use Greenlee hydraulic oil only. (Do not use hydraulic brake fluid, shock absorber fluid, alcohol, glycerine, castor oil or other non-specified fluid—as they reduce performance and can cause damage to pumps and equipment.) Use of improper fluids waives the guarantee on Greenlee hydraulic equipment.

Control No.	Cat. No.	Description
905 1059.3	4016-GB	One Gallon Can
905 0806.8	4017-GB	One Quart Can



No. 1015-H Automatic Power Hoist

**Helps cut installation costs—
lifts 300 lb to 15 ft in seconds!**

A real time- and moneysaver for electrical contractors, mechanical contractors, air conditioning and heating contractors, ceiling contractors, carpenters . . . and all others who need a fast, safe, efficient, automatic, portable way to lift loads.

Operates efficiently on economical CO₂ cylinders. Uses 10, 15, or 20-lb cylinders—with quick couplers for fast setup. Cylinders mount on hoist for easy maneuverability. Also can be powered by any air compressor that delivers 4 cfm at 100 psi.

Versatile head bracket—fittings let you “build” any lifting platform you need using standard rigid conduit or pipe. Hoist adapts quickly for large, difficult-to-handle work such as 4 x 4 “H” lighting fixtures.

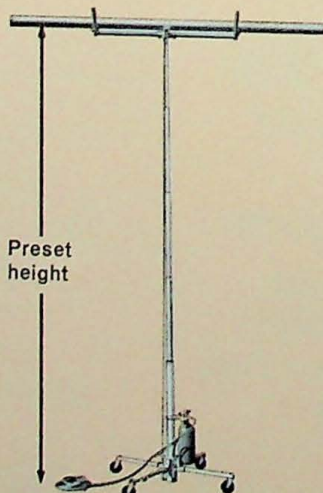


Convenient 54” loading height—for one-man loading.

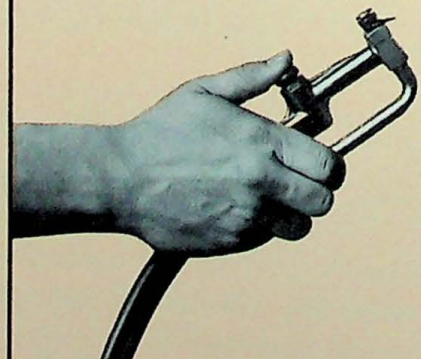
Compact, light, easy to handle—all parts go together as completely self-contained unit. Base has large 5” casters for easy moving from place to place on the job. Two of the casters have locks. Sets up in less than one minute.



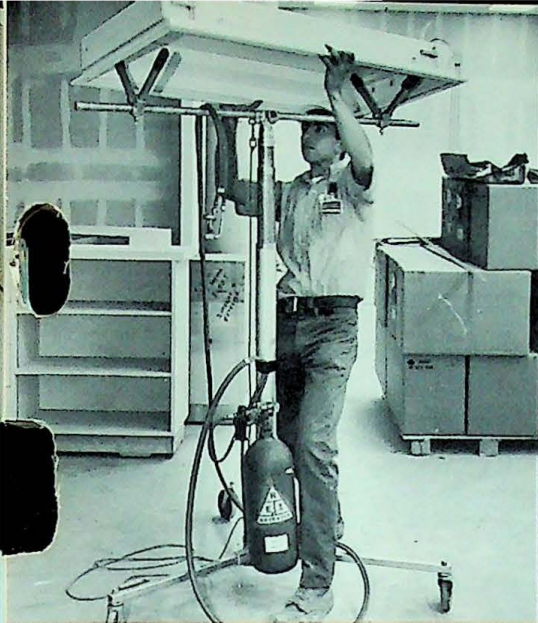
ONE-MAN portable—One man can easily carry and set up the Greenlee hoist without helper. Weighs only 50 lb net including CO₂ tank. Folds for carrying. Fits in trunk of car or tool storage cabinet.



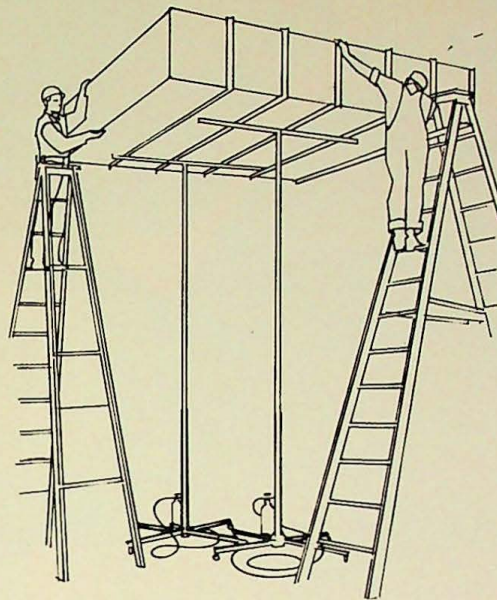
Automatic height limiter—Reduces setup time . . . makes the new Greenlee automatic power hoist ideal for repetitive use at constant heights. Simply tie off nylon “trip cord” at relief valve. Until trip cord is readjusted, every load will lift automatically to the same preset height.



Remote hand controller—with 16-ft hose. Pushbutton operation allows control of all lifting and positioning from ground, ladder, or scaffold. Dump valve at base of hoist is used for quick return of piston.



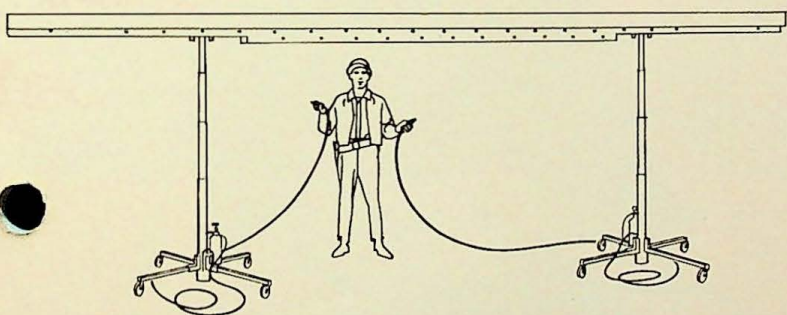
The Greenlee No. 1015 hoist is compact and highly maneuverable . . . ideal for fast, easy use in restricted areas with all types of loads.



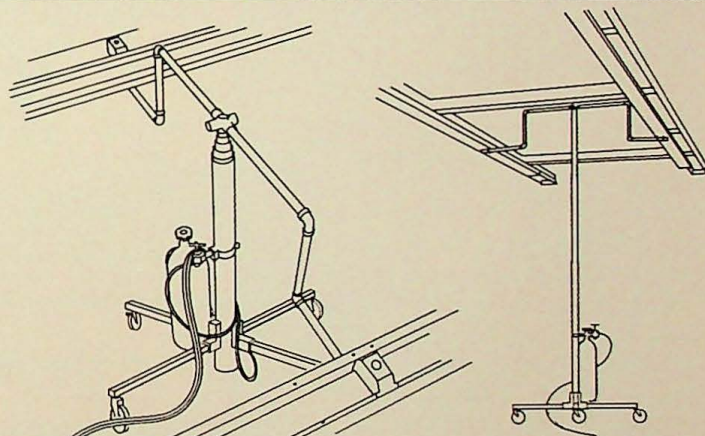
Use two No. 1015 hoists in tandem with exclusive Automatic Height Limiter for safe, even lifting of large or bulky loads.



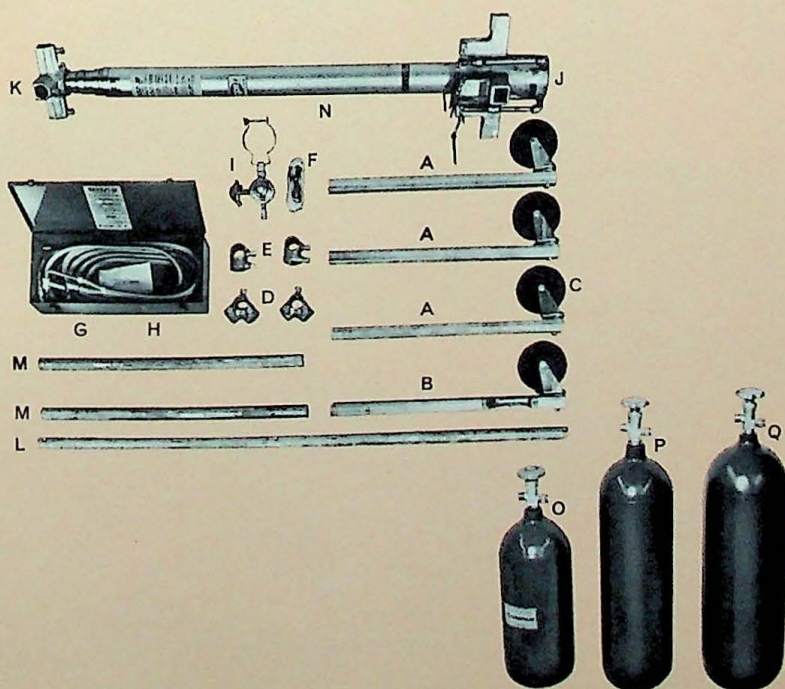
The No. 1015 hoist stays at selected heights until raised or lowered by operator. Holds loads securely in place until connections are made. Saves time . . . permits surer, safer positioning and installation.



Two No. 1015 hoists can be used to lift a whole row of fixtures. Joining together and completing connections at ground level speeds up work. The No. 1015 is fastest on the job—easiest to use.

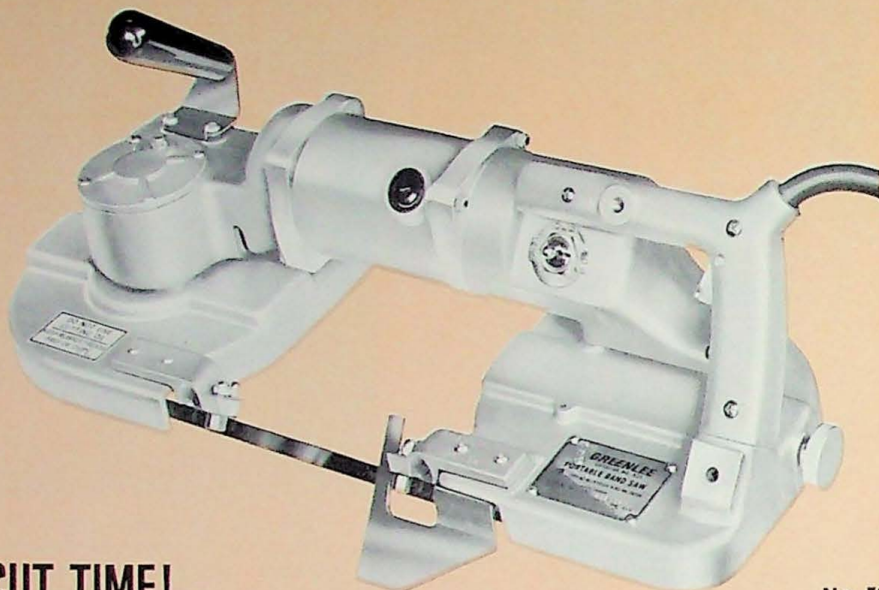


Versatile head bracket adapts the No. 1015 hoist to many load requirements, using standard rigid conduit or pipe . . . makes possible easy and quick modification in the field. Illustrations show configuration made for raising 30 ft of Smoot-Holman pendant-mounted drop panel fixtures with ONE lift.



Key	Control No.	Cat. No.	Description	Qty
		1015-H	15-ft Automatic Hoist complete, less CO ₂ cylinder and on-off valve	
A	501 9441.0	1-9441	Leg assembly plain	3
B	501 9442.9	1-9442	Leg assembly with handle	1
C	501 9440.2	1-9440	Caster assembly	4
D	501 9393.7	1-9393	1" V bracket with setscrews	2
E	501 9394.5	1-9394	1" Tee bracket with setscrews	2
F	501 9365.1	1-9365	Height limiter master cord with snap hook assembly	1
G	501 9351.1	1-9351	Hand control assembly only	1
H	501 9344.9	1-9344	16-ft control hose assembly only	1
I	501 9330.9	1-9330	Power regulator assembly	1
J	501 9437.2	1-9437	Base casting	1
K	501 9396.1	1-9396	1" Head bracket	1
L	501 9391.0	1-9391	1" Pipe support, 51" long	1
M	501 9392.9	1-9392	1" Pipe support, 26" long	2
N	501 9262.0	1-9262	Cylinder assembly without base casting and head bracket	1
OPTIONAL				
O	501 9475.5	1-9475	10-lb CO ₂ tank charged, with valve	1
P	501 9476.3	1-9476	15-lb CO ₂ tank charged, with valve	1
Q	501 9477.1	1-9477	20-lb CO ₂ tank charged, with valve	1

No. 521 Portable Band Saw



Specifications:

Motor	8 amp Universal type, 115-v, 60-cycle, a-c/d-c
Speed (sfpm)	235 low/275 high
Blade size	1/2 x .025 x 54"
Capacity	4-5/8" (round or square)
Drive	Worm gear
Bearings	Ball
Length	25"
Weight: net	24 lb
shipping	43 lb

CUT TIME! CUT 4" conduit in one pass!

- The first portable band saw with big 4" (4-3/4" OD) pipe capacity.
- A powerful cutoff saw with its own combination storage and cabinet/vise stand (optional).
- A vertical band saw that rips, notches, slots, cuts circles, and contours, etc.

More capacity—more power—more sawing power than any other portable band saw. Direct worm gear drive delivers full power to the cut.

Tough, sturdy—high-strength frame and body withstand years of hard service.

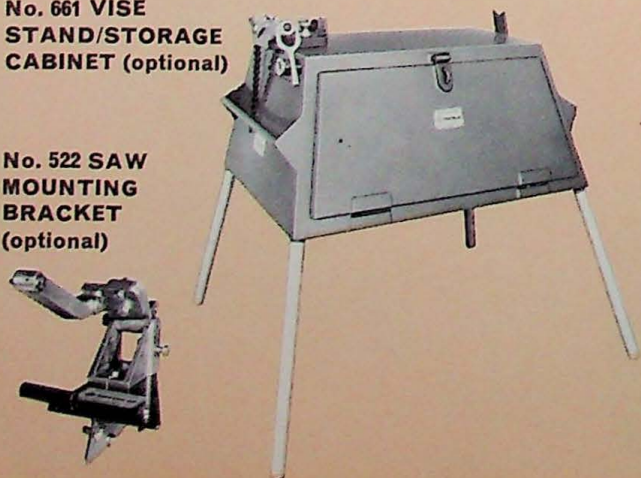
Saws metal, plastic, wood . . . high and low sawing speeds plus Greenlee carbon steel blades match *all* your sawing requirements. Saw comes in its own sturdy steel shipping and storage box.

Optional storage cabinet/vise stand—welded steel stand for both sawing *and* threading. Rigidly supports saw for fast, accurate cutoff work. Adjustable vise chain with hand screw fits materials of all sizes and shapes. Fully portable, big 6 cu ft storage capacity for saw and other pipe tools. Dual-purpose mounting bracket also supports saw in up-right position for use as vertical cutting band saw.

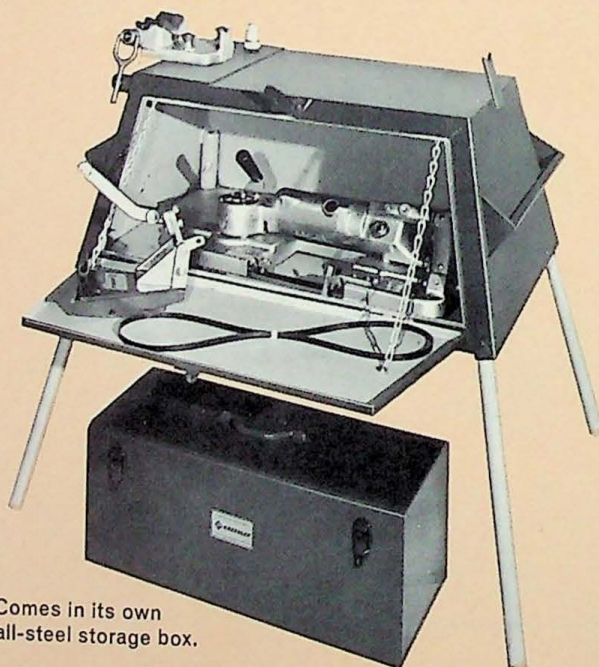
Built-in steady rest plus length of 1" rigid conduit brace stand for rigidity for threading. Retractable bench stop holds power threader in place during threading.

No. 661 VISE STAND/STORAGE CABINET (optional)

No. 522 SAW MOUNTING BRACKET (optional)



No. 525 PORTABLE BAND SAW PACKAGE

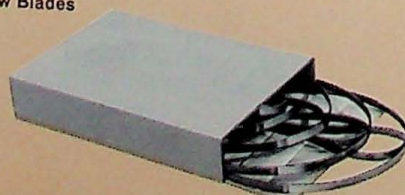


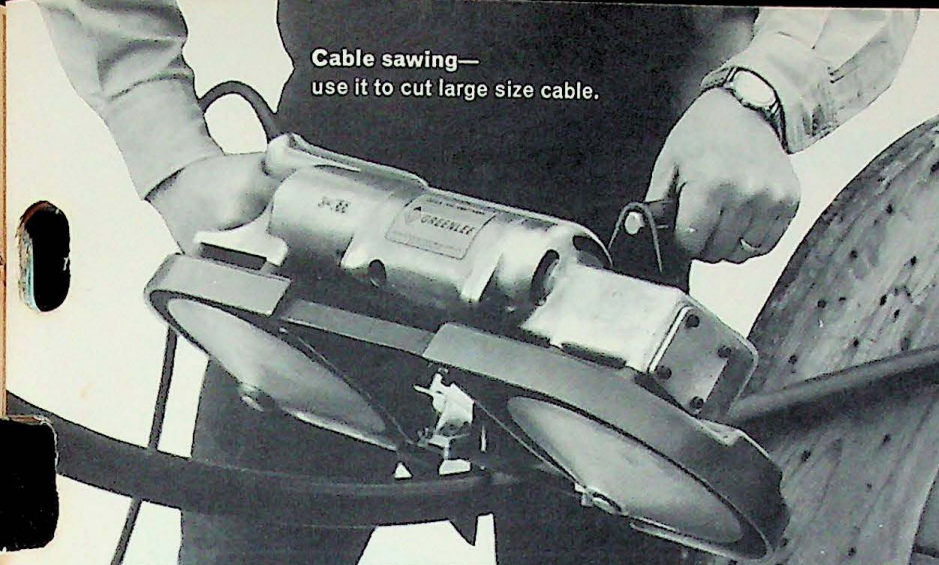
Comes in its own
all-steel storage box.

Cat. No.	Control No.	Description
525		Heavy-Duty Portable Band Saw Package complete with No. 521 Portable Band Saw in all-steel storage box; No. 661 Vise Stand/Storage Cabinet, and No. 522 Saw Mounting Bracket
521		Heavy-Duty Portable Band Saw complete with one each: 10, 14, 18, and 24-tooth carbon steel blade. Packed in sturdy metal carrying case
661		Vise Stand/Storage Cabinet (optional) with legs and pipe vise without saw mounting bracket
522		Saw Mounting Bracket (optional) for mounting No. 521 Portable Band Saw to No. 661 Vise Stand/Storage Cabinet
501 9525.5		Repair Kit (optional—not shown) contains two rubber drive and idler wheel replacement tires one 4-oz tube of glue
501 9596.4		Roller Bearing Blade Guide (not shown)—four required

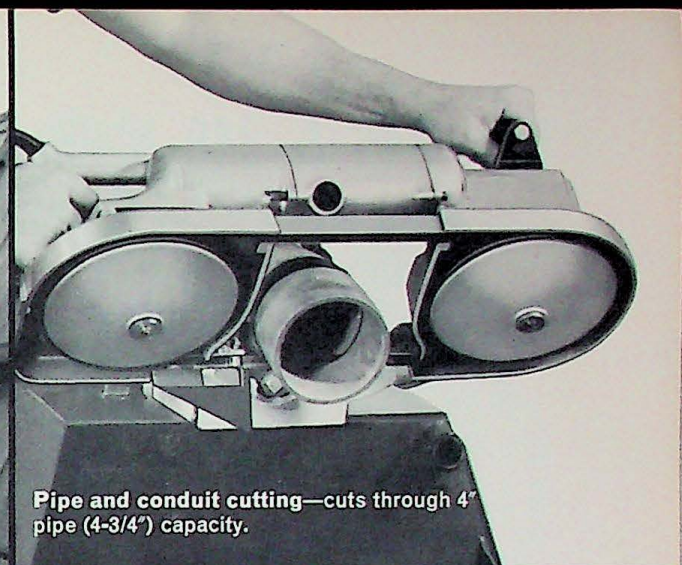
Carbon Steel Band Saw Blades

	1/2 x .025 x 54"
510	10 tooth
514	14 tooth
518	18 tooth
524	24 tooth

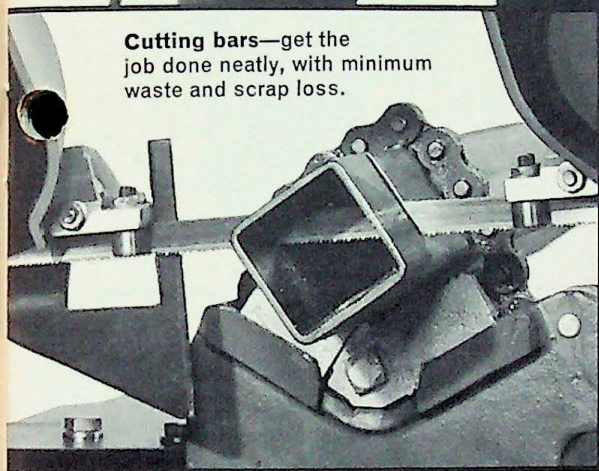




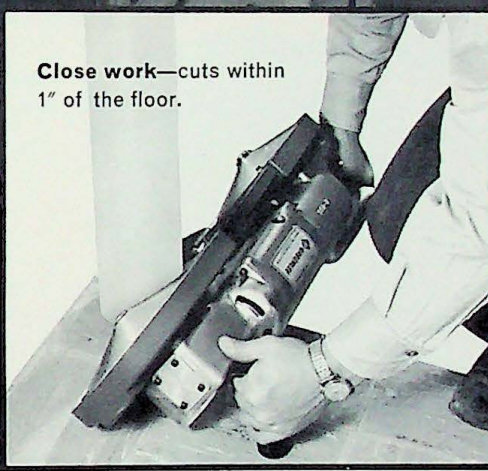
Cable sawing—
use it to cut large size cable.



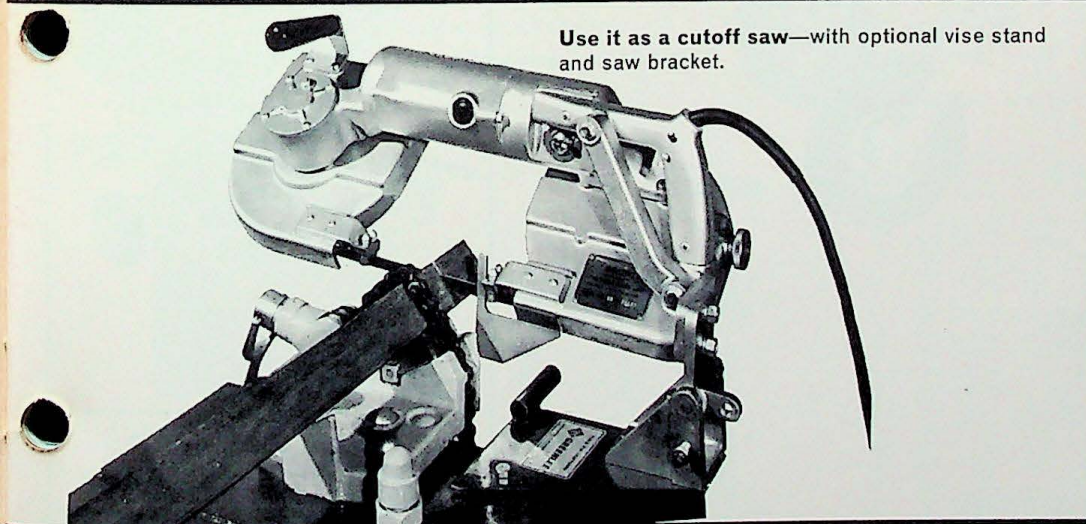
Pipe and conduit cutting—cuts through 4" pipe (4-3/4") capacity.



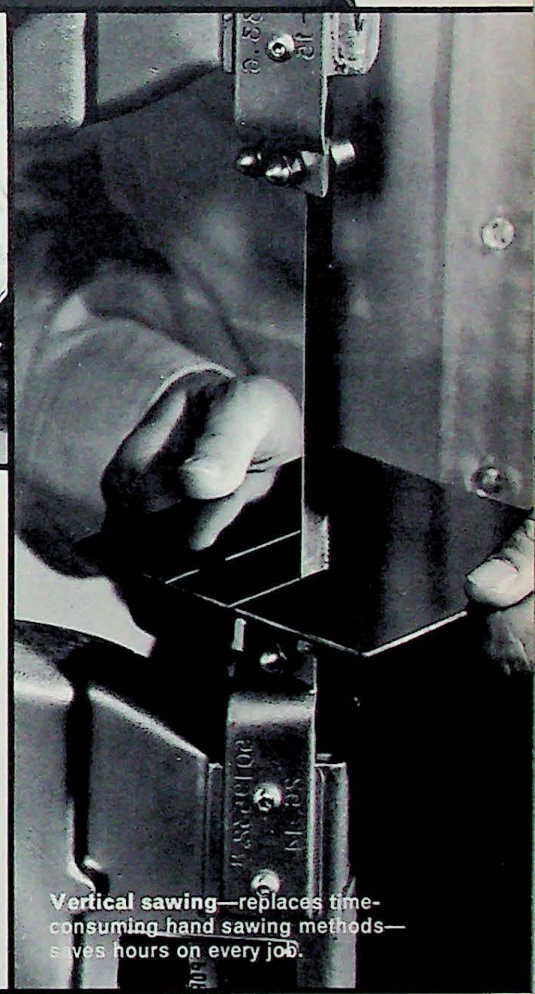
Cutting bars—get the job done neatly, with minimum waste and scrap loss.



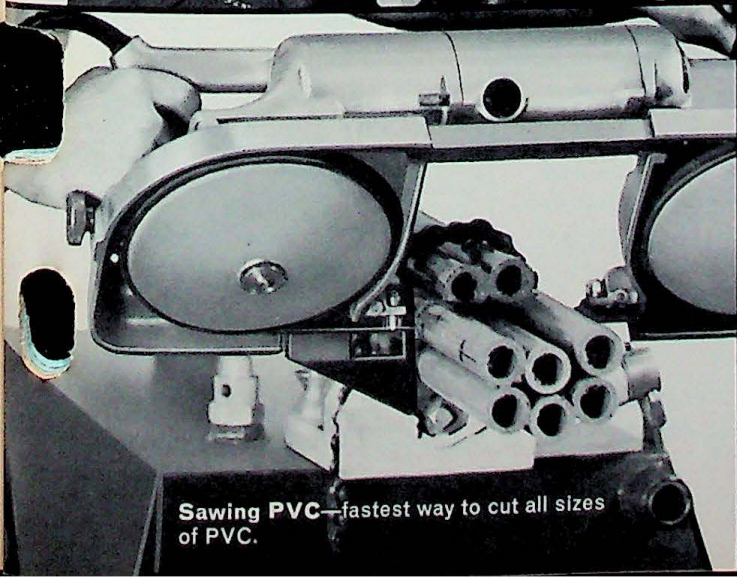
Close work—cuts within 1" of the floor.



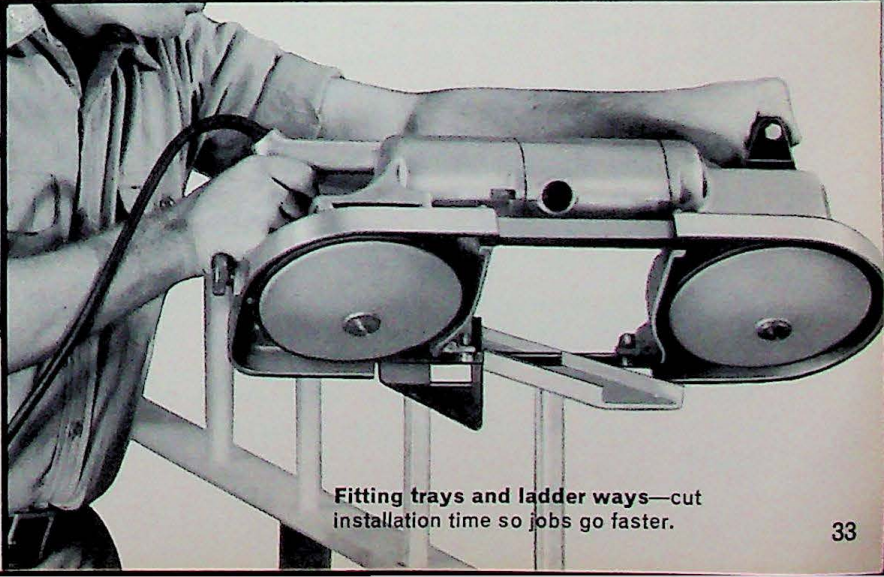
Use it as a cutoff saw—with optional vise stand and saw bracket.



Vertical sawing—replaces time-consuming hand sawing methods—saves hours on every job.

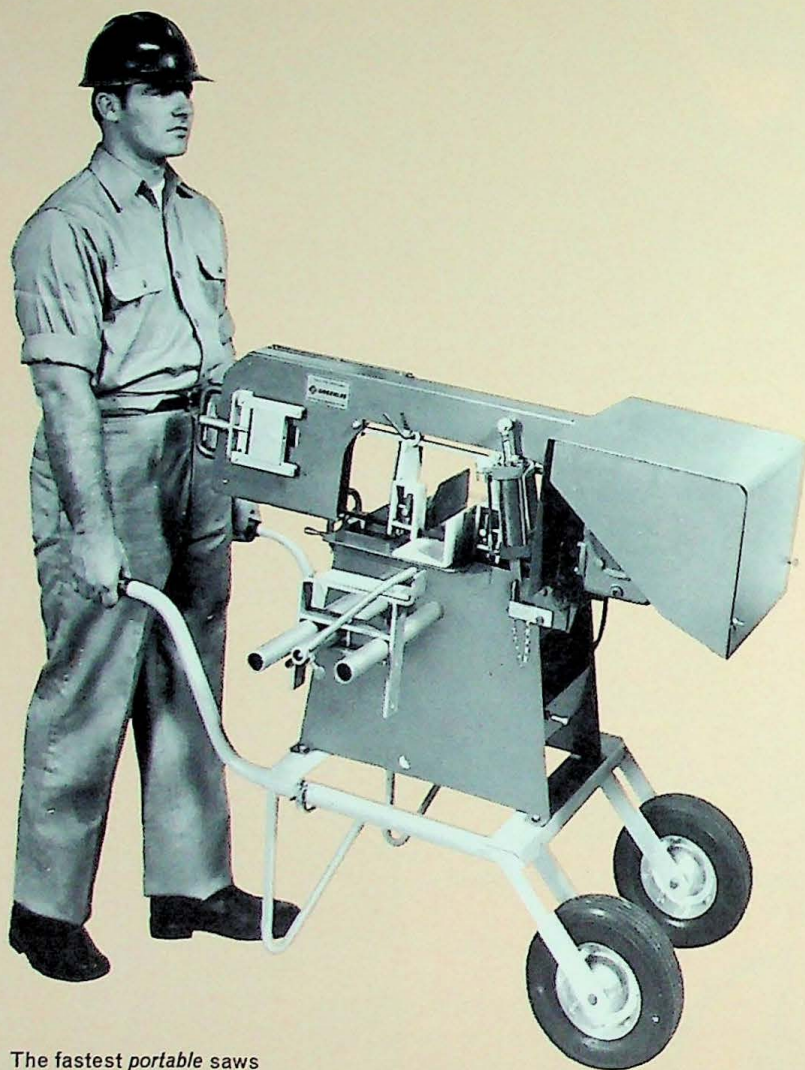


Sawing PVC—fastest way to cut all sizes of PVC.



Fitting trays and ladder ways—cut installation time so jobs go faster.

Nos. 346 & 348 Mobile Power Cutoff Saws



The fastest portable saws you can own. Cut through 5" galvanized conduit in less than a minute . . . choice of 6 or 8" capacity. Handle pipe, conduit, bus bars . . . plus flats, rounds, and structurals. Or you can change blades in seconds to saw plastic or wood.

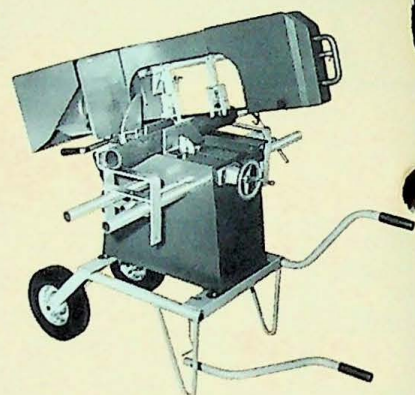
These timesaving features save you money:

Fully portable—Greenlee cutoff saws can be wheeled to the work anywhere in the shop or at the jobsite, assuring you minimum time loss in your production operations. Cart handles are removable to give operator a clear working area.

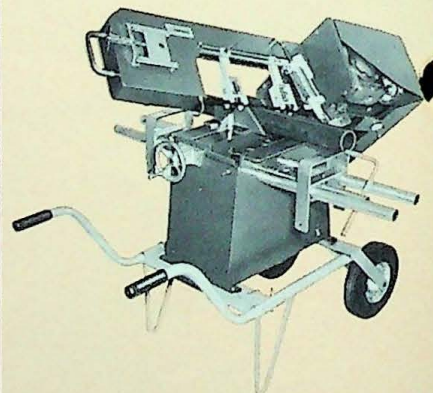
Adaptable—cuts straight or at angles. You can cut straight or at angles with Greenlee power cutoff saws. And you can convert to vertical sawing for notching, slotting, ripping, cutting circles and contours, etc. Changeover takes less than two minutes . . . no special tools are needed.

Adjustable blade speed and cutting rate—lets you match saw performance to the job for highest production plus longest blade life.

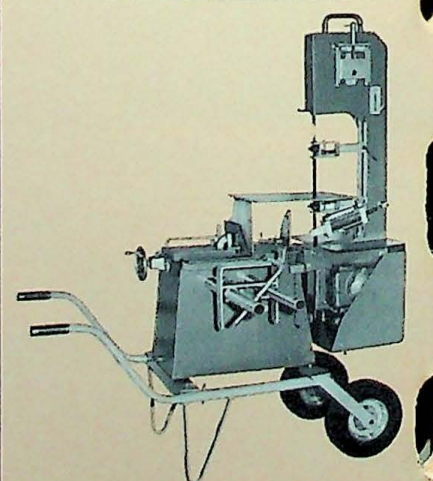
Automatic shutoff—saw stops when cut is completed. Movable supports hold long work. Adjustable stop gauge saves time on repeated cuts of the same length.



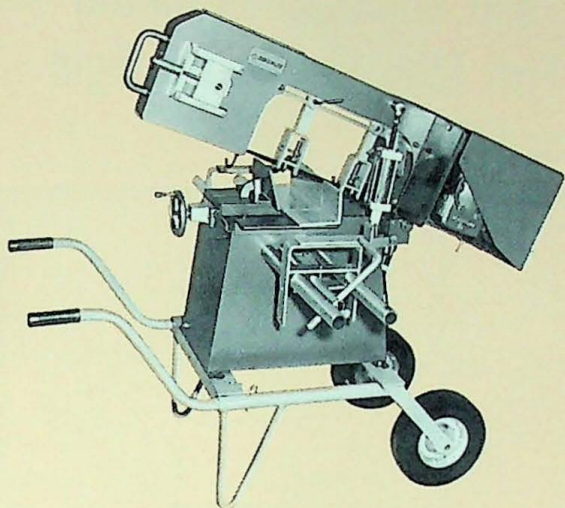
Horizontal position for conventional cutoff



Cuts quick-set angles up to 45 degrees



Vertical position for notching, contour work, ripping, etc.



MODEL 346—4-way band saw complete, with table for vertical cutting, small cutting attachments, and rubber-wheeled undercarriage

Capacity: Throat clearance 6"
Vise opening 6"
45 degree angle 4-1/2"

Motor*: 1/2 hp - 115 volt - 1725 rpm
Manual reset thermoguard

Vise: Quick ratchet type

Gear Ratio Box: 30-1

Speeds: 55-110-220 FPM blade travel

Shutoff: Automatic

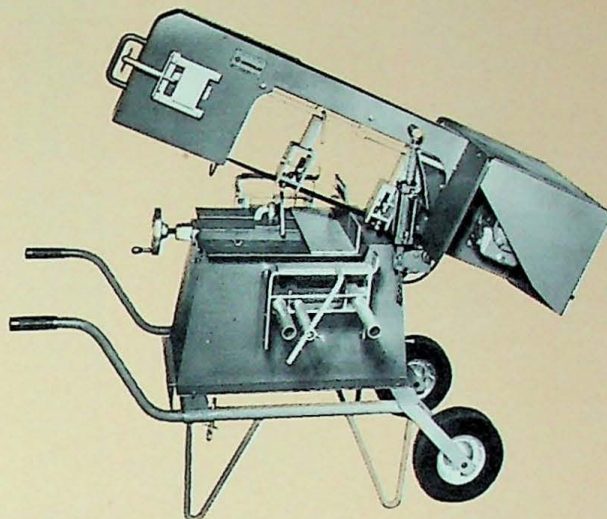
Blade Length: 1/2" x 6' 9"

Blade Pressure: Head weight and hydraulic control

Net Weight: 250 lb with accessories as shown

Dimensions: Length 41 - 49" with carriage; width 19-3/4"
Tire size on cart 10 x 2.75

*Also available with 1/2 hp - 115/220 volt - 50 cycle motor.



MODEL 348—4-way band saw complete, with table for vertical cutting, small cutting attachments, and rubber-wheeled undercarriage

Capacity: Throat clearance 8"
Vise opening 12"
45 degree angle 6-1/2"

Motor*: 3/4 hp - 115/220 volt - 1725 rpm
Manual reset thermoguard

Vise: Quick ratchet type

Gear Ratio Box: 30-1

Speeds: 80-140-220-300 FPM blade travel

Shutoff: Automatic

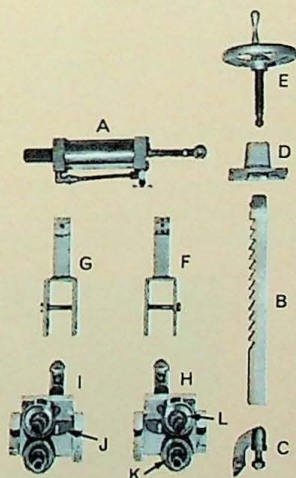
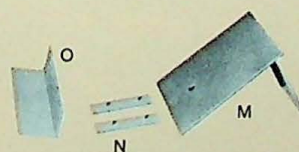
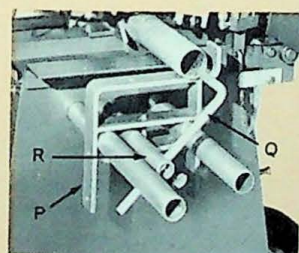
Blade Length: 5/8" x 8' 10"

Blade Pressure: Head weight and hydraulic control

Net Weight: 345 lb with accessories as shown

Dimensions: Length 53 - 64" with carriage; width 22"
Tire size on cart 10 x 2.75

*Also available with 3/4 hp - 115/220 volt - 50 cycle motor.



Key	Control No.		Description
	Model 346	Model 348	
A	502 0105.0	502 0166.2	Hydraulic Cylinder complete
B	502 0116.6	502 0174.3	Vise Rack
C	502 0115.8	502 0115.8	Vise Pivot and Dog
D	502 0118.2	502 0177.8	Vise Screw Bracket
E	502 0117.4	502 0175.1	Vise Wheel and Screw
F	502 0121.2	502 0180.8	Rear Guide Frame
G	502 0122.0	502 0181.6	Front Guide Frame
H	502 0124.7	502 0183.2	Bearing Block Rear with bearing (enlarged view)
I	502 0125.5	502 0184.0	Bearing Block Front with bearing (enlarged view)
J	502 0126.3	502 0185.0	Upper Guide Bearing and Axle
K	502 0127.1	502 0186.7	Guide Bearing and Sleeve (noneccentric)
L	502 0129.8	502 0187.5	Guide Bearing and Sleeve (eccentric)
M	502 0157.3	502 0157.3	Table Top
N	502 0156.5	502 0205.7	Small Work Attachment Riser
O	502 0158.1	502 0206.5	Small Work Attachment
P	502 0155.7	502 0204.9	Outrigger Bracket
Q	502 0152.2	502 0152.2	L-Stop
R	502 0153.0	502 0153.0	Stop Gauge Pipe
	502 0104.2	502 0165.4	Tire (not shown)

Band Saw Blades

FOR NO. 346 6" BAND SAW

CARBON STEEL—1/2" WIDE x 6' 9" x .025" THICK

Catalog No.	Teeth Per Inch
306C	6
308C	8
350C	10
354C	14
358C	18
364C	24

ALLOY STEEL—1/2" WIDE x 6' 9" x .025" THICK

306A	6
308A	8
350A	10
354A	14
358A	18
364A	24

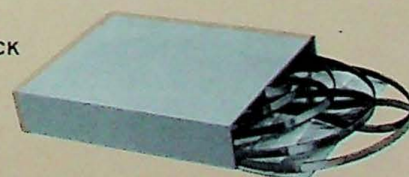
FOR NO. 348 8" BAND SAW

CARBON STEEL—5/8" WIDE x 8' 10" x .032" THICK

Catalog No.	Teeth Per Inch
318C	8
370C	10
374C	14
378C	18

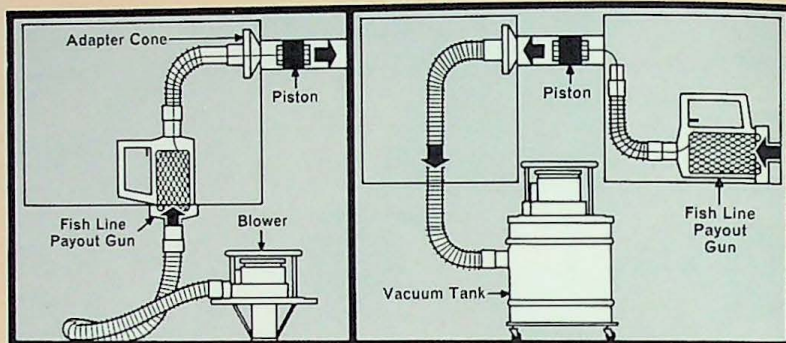
ALLOY STEEL—5/8" WIDE x 8' 10" x .032" THICK

318A	8
370A	10
374A	14
378A	18



WIRE PULLING AND ACCESSORY EQUIPMENT

Greenlee No. 690 Combination Blower and Vacuum Fish Tape System for Rigid and E.M.T. Conduit



It blows line . . .

... or vacuums line

Here, in one compact "package," is *everything* you need to fish line safely in 1/2 thru 6" conduit.

With the powerful new Greenlee No. 690 system, you can safely blow or vacuum all lines from a box in a *single setup* . . . and, setup takes as little as five minutes.

Safe—5-psi air pressure means safe, efficient operation free of fumes. Exclusive Greenlee Pay-Out Gun* gives the workmen complete control of the piston and line throughout the run. Fingertip trigger control stops and starts piston anywhere in the conduit.

Pistons* are polyurethane foam with double seals that lock in pressure. Guide vanes prevent piston from tumbling in the conduit . . . positively break vacuum at end of run. Optional pistons for large-size, thin-wall (E.M.T.) conduit also available. Also comes equipped with angular hose attachment for getting dirt and debris out of crevices—and dust brush for vacuuming of surfaces.

Powerful—Unit will raise a column of water approximately 11 ft by vacuum or pressure. Blower develops 5 psi, and 8 in. of vacuum. Motor is single phase, 115 v, a-c, 14 amp, air cooled.

Blows all lines in one setup—The exclusive Pay-Out Gun, assortment of Greenlee pistons and throwaway nylon fish line make it possible to blow all lines—in one setup.

A leading national contractor reports:

"If we installed a heavy 200-ft cable and it ended up one foot short, we'd have to pull it all out and salvage it. At 60¢ or more per foot, bad runs can really cost us money. With the Greenlee No. 690 Fish Tape System, we can measure length of cable we need to a fraction of an inch. It's foolproof!"

Patent No. 3,244,402



Fast, one-man operation—Operates as vacuum or blower system—cleans conduit runs.

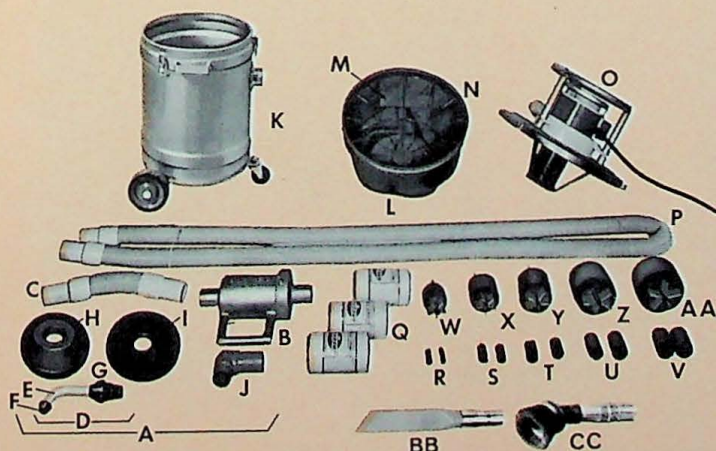
No. 690 Fish Tape System complete with all parts stored in tank.



Key	Control No.	Cat. No.	Description	Qty
		690	Greenlee Combination Blower and Vacuum Fish Tape System 1/2" thru 4" Complete includes Keys A through CC	
A		691	Pay-Out Gun and Adapter Cone Unit includes Keys B thru I	1
B	501 6523.2		Pay-Out Gun	1
C	501 6522.4		Flexible hose 1-1/2" dia x 1 ft	1
D	501 7445.2		Adapter Unit 1/2" thru 1-1/2"	1
			The 501 7445.2 Adapter Unit includes the following three items:	
E	501 7197.6		Aluminum ell 3/8"	1
F	501 7196.8		Adapter cone 1/2" thru 1"	1
G	501 7198.4		Adapter cone 1/2" thru 1-1/2"	1
H	501 6519.4		Adapter cone 1-1/2" thru 5"	1
I	501 6520.8		Adapter washer 1-1/2" thru 5"	1
J	501 6518.6		Plastic ell 1-1/2"	1
K	501 9671.5		12 gal. Tank with casters	1
L	501 6527.5		Filter bag	1
M	501 6528.3		Filter wire basket	1
N	501 6642.5		Elastic band for filter	1
O	501 6526.7		Blower and vacuum power unit	1
P	501 6521.6		Flexible hose 1-1/2" dia. x 10 ft	1
Q		605	2750 ft of 45-lb test	1
		606	1700 ft of 72-lb test	1
		607	1350 ft of 90-lb test	1
R		608	Piston for 1/2" conduit	2
S		609	Piston for 3/4" conduit	2
T		610	Piston for 1" conduit	2
U		611	Piston for 1-1/4" conduit	2
V		612	Piston for 1-1/2" conduit	2
W		613	Piston for 2" conduit	1
X		614	Piston for 2-1/2" conduit	1
Y		615	Piston for 3" conduit	1
Z		616	Piston for 3-1/2" conduit	1
AA		617	Piston for 4" conduit	1
BB	501 8877.1		Crevice Tool	
CC	501 8879.8		Dusting Brush	

OPTIONAL EQUIPMENT

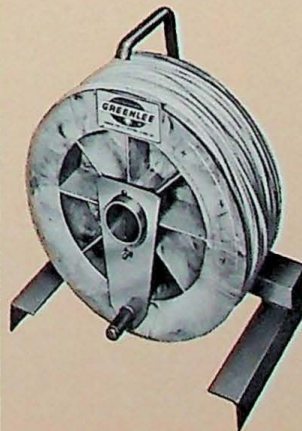
	618	Piston for 5" conduit	
	619	Piston and adapter washer for 6" conduit	
501 6654.9		6" Piston only	
501 6646.8		Adapter washer only	
	621	Piston for 2-1/2" E.M.T.	
	622	Piston for 3" E.M.T.	
	623	Piston for 4" E.M.T.	
501 7217.4		1-1/2" x 3" Repair coupler	



One major western contractor used to measure feeders and run feed lines by pushing a steel tape through the conduit. On a recent project, Greenlee's fish tape system cut time required for running pull lines from 1750 man-hours to only 48 man-hours . . . 35 times faster. The system paid for itself the first day on the job.

No. 620 Pay-Out Reel and Rope

Install pull-line direct and eliminate one step. New Greenlee No. 620 Pay-Out Reel and Rope can be used with the new Greenlee No. 690 Fish Tape System to speed pulling in any conduit 1-1/2 in. and smaller. Rope is 400 ft. long, 3/16 in. multistrand polyethylene, 600-lb test.



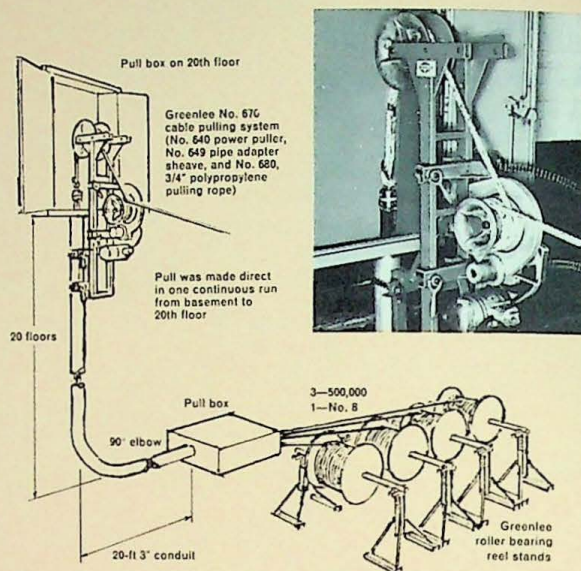
Control No.	Cat. No.	Description
501 6958.0	620	Pay-Out Reel with 400 ft of 3/16" polyethylene rope, reel and stand
501 6957.2		Reel Stand
		12" Reel with 400 ft of rope

How to save setup time with Greenlee pulling systems

Tough 20-story pulling job completed in 31 minutes, including setup.

JOB: North American Building, Chicago, Illinois. **CONTRACTOR:** Progress Electric, Chicago, Illinois. **LENGTH OF PULL:** 310 ft from basement to 20th floor—20 ft horizontal, 290 ft vertical, one 90° elbow. **SETUP TIME:** 6 minutes. Greenlee No. 670 cable pulling system—made up of a No. 640 power puller and No. 649 pipe adapter sheave—was mounted directly to the conduit at the 20th floor, using the chain clamps provided on each tool.

CONDUCTORS: 3—500,000; 1—No. 8. Note: Greenlee roller bearing reel jacks were used for easier pay-out of cable. **PULLING TIME:** 25 minutes. Average pulling speed—16-1/2 ft per minute. **EXTRA BENEFIT:** Greenlee's compact design lets contractors choose the exact pulling setup that's best for the job—whether it's pulling from exposed or concealed conduit.

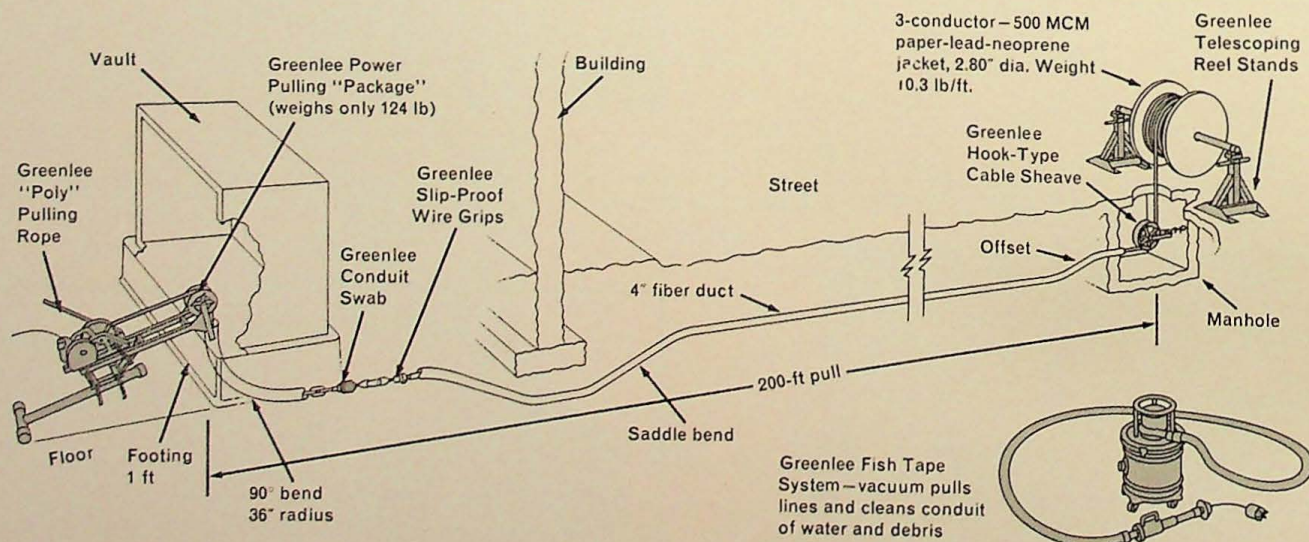
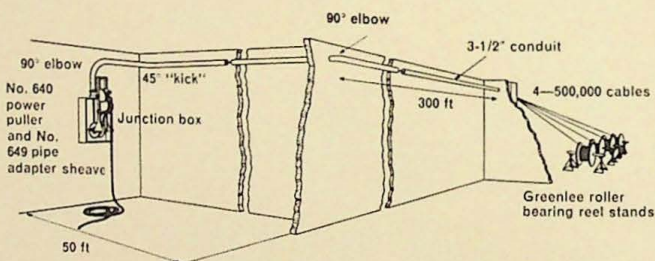


Greenlee system pulls extra cable for makeup. Pulling time, 35 minutes.

JOB: Franklin High School, Somerset, New Jersey. **CONTRACTOR:** James DeLaplaine, Inc., Highland Park, New Jersey. **LENGTH OF PULL:** 380 ft through a 45° "kick," and two 90° elbows.

SETUP TIME: 30 minutes, using Greenlee hook-type sheave and Greenlee No. 670 cable pulling system. Greenlee No. 649 pipe adapter sheave enabled workmen to pull cable for makeup in a single setup.

CONDUCTORS: 4—500,000 cables (through 3-1/2" conduit). Note: Greenlee roller bearing reel stands were used for easier pay-out of cable. **PULLING TIME:** 35 minutes.



Greenlee system used to make tough pull of paper-lead neoprene jacketed cable.

JOB: Florida Power & Light, Miami Beach, Florida. **LENGTH OF PULL:** 200 ft in 4-in. fiber duct. Pull was made thru manhole, a kick, a saddle bend, and a 36-in. radius 90° bend. **SETUP TIME:** 26 minutes. Greenlee tools used included No. 690 Fish Tape System; No. 686

Power Pulling Package; No. 640 Power Puller; No. 649 Pipe Adapter Sheave; No. 682 Boom Kit; No. 672 12-ft Manhole Sheave; No. 676 Wire Grip; No. 696 Conduit Swab; No. 680 Poly Pulling Rope. **CONDUCTOR:** Paper-lead Neoprene jacketed 3-500 MCM conductor cable. 2.80-in. diameter, Wt., 10.3 per ft. **NOTE:** Greenlee No. 687 Roller Bearing Reel Stands were used for easy payout of cable. **PULLING TIME:** 21 minutes.

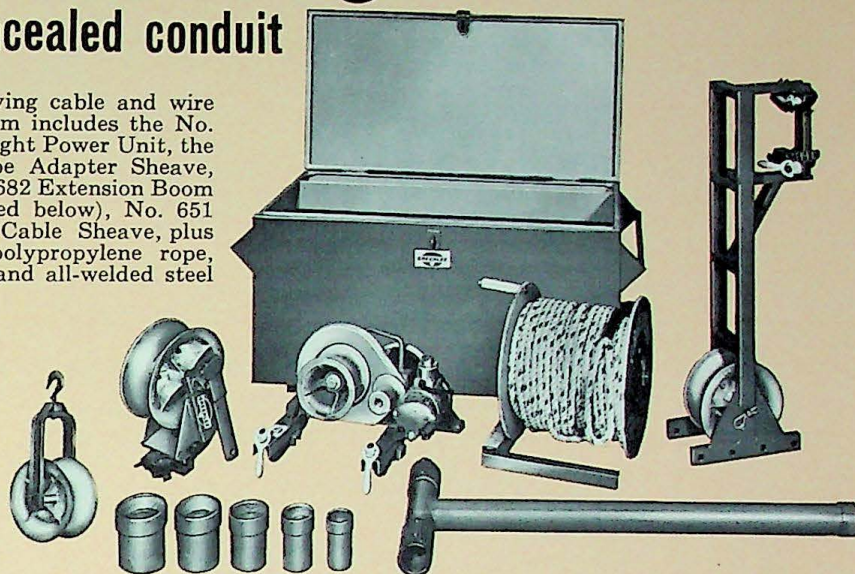
No. 686 Cable and Wire Pulling System for pulling from exposed or concealed conduit

Here's the most versatile cable and wire pulling system on the market . . . includes everything you need to handle *any* pulling job.

System is designed to handle both vertical and horizontal pulls from concealed or exposed conduit. Designed to keep pulling force in line with the conduit . . . completely eliminates strain on hangers and boxes.

This timesaving cable and wire pulling system includes the No. 640 Lightweight Power Unit, the No. 649 Pipe Adapter Sheave, and the No. 682 Extension Boom Kit (described below), No. 651 Hook-Type Cable Sheave, plus 300 ft of polypropylene rope, rope stand, and all-welded steel storage box.

Cat. No.	Description	Qty
686	Complete Power Puller "Package" includes the following seven items:	
640	Power puller	1
649	Pipe adapter sheave	1
682	Extension boom kit	1
680	3/4" polypropylene rope	1
644	Rope reel stand	1
665	Tool box 24" x 24" x 48"	1
651	12" hook-type cable sheave, 3-1/4" radius	1



No. 670 Power Puller "Package" for pulling from exposed conduit

Here's a package that includes all the basic tools needed for faster, easier cable pulling —

No. 640 power cable puller — gives you the speed, portability, and power you need for any job.

No. 649 pipe adapter sheave — makes it possible to pull cable beyond the end of conduit for "makeup." Eliminates other set-ups. 12" dia sheave quickly adjusts to four positions.

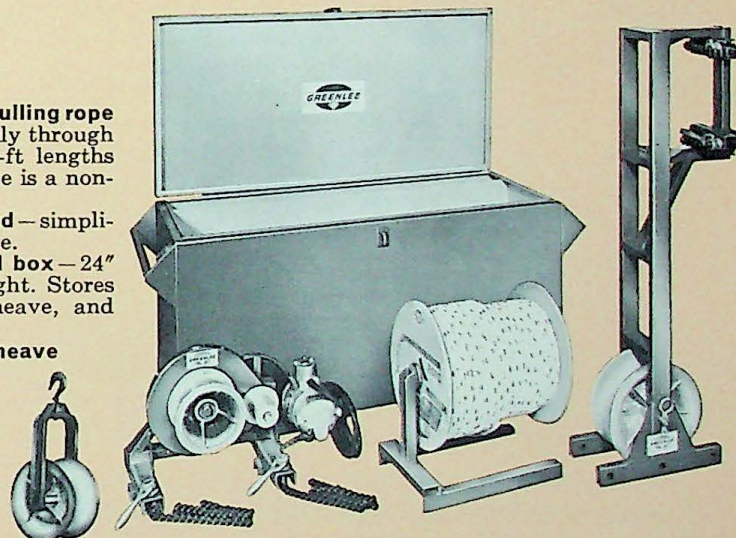
No. 680 polypropylene pulling rope — 3/4" dia. Handles easily through conduit. Comes in 300-ft lengths on a wooden spool. Rope is a non-conductor.

No. 644 rope reel stand — simplifies handling and storage.

No. 665 all-welded steel box — 24" x 24" x 48". Weathertight. Stores and protects puller, sheave, and rope when not in use.

No. 651 12" hook-type sheave

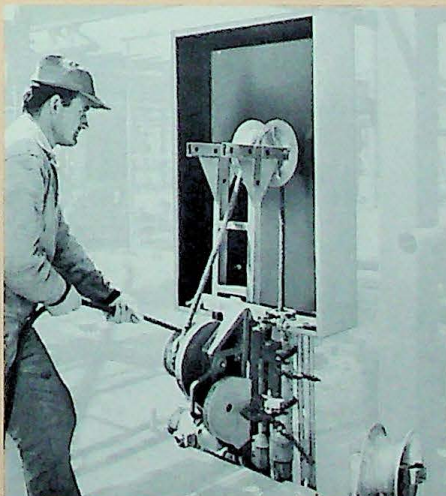
Cat. No.	Description	Qty
670	Power Puller "Package" includes the following six items:	
640	Power puller	1
649	Pipe adapter sheave	1
680	3/4" polypropylene rope	1
644	Rope reel stand	1
665	Tool box 24" x 24" x 48"	1
651	12" hook-type cable sheave, 3-1/4" radius	1



Typical timesaving setups using the Greenlee Cable Pulling System



Setup for horizontal pull from a ceiling-mounted pull box, using 640 power puller and 649 pipe adapter sheave. Built-in chain clamp mount units rigidly to pulling boom improvised from piece of 3" galvanized conduit.



Setup for "up" pull. 640 power puller mounted on 649 pipe adapter sheave, which is clamped to 4" service conduit coming from slab. Complete system setup time: less than two minutes.



Compact design of Greenlee cable pulling system lets you make tough pulls in tight spaces too small for other pullers. Here Nos. 649 sheave and 640 power puller are set up for an "up" pull in a cramped closet.

Greenlee No. 640 Lightweight Power Cable Puller



... provides pulling power for both the No. 670 and No. 686 Cable Pulling Systems

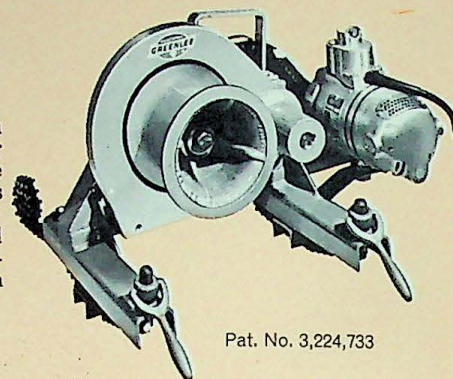
Weighs only 60 lb—lightweight for easy handling. Handles most pulling jobs with power to spare.

Heavy-duty electric motor—with chain-and-sprocket drive for a safe, steady pull. 115 v, a-c/d-c.

Two-speed—pulls 15 ft per minute for heavy pulls; 30 ft per minute for lighter pulls.

Fast setup—adjustable vise chains with hand screws quickly anchor the power unit to beams, pipe, or conduit, or to the No. 649 pipe adapter sheave. No wrenches or special tools needed.

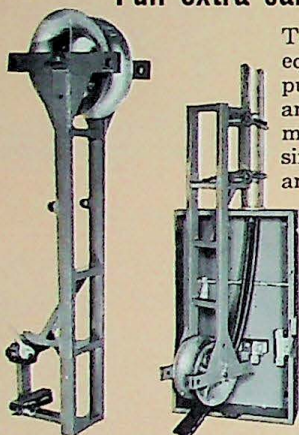
Choice of capstans—No. 640 is equipped with aluminum capstan for use with synthetic rope. No. 641 has cast-iron capstan for steel cable.



Pat. No. 3,224,733

Cat. No.	Description
640	Power Cable Puller with aluminum capstan
641	Power Cable Puller with cast iron capstan

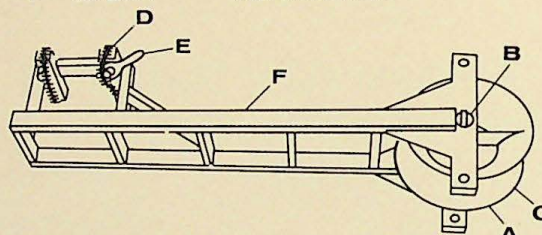
Pull extra cable for makeup in a single setup ... with the No. 649 Pipe Adapter Sheave



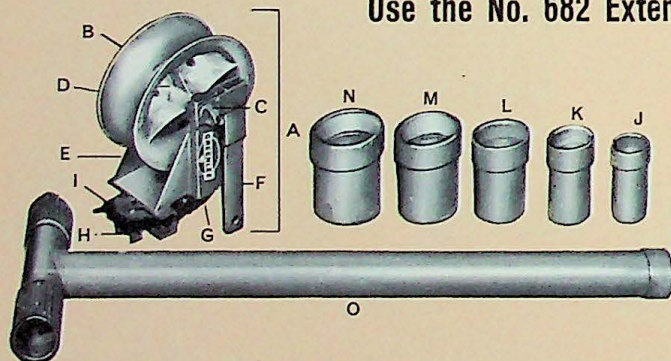
This timesaving Greenlee sheave is standard equipment with both the No. 670 power puller "package" and the No. 686 cable and wire pulling system. It enables workmen to pull enough cable for makeup in a single setup. Adjustable vise chains quickly anchor to conduit, pipe, or structural beams; no wrenches or special tools needed. Can also be used for feeding cable and wire into the conduit. The 12" aluminum sheave quickly adjusts to four positions.

The No. 649 pipe adapter sheave is shown here set up to feed cable or wire into conduit. Sheave guides the cable and keeps it straight for easier, faster pulling.

Key No.	Control No.	Cat. No.	Description	Qty
		649	Pipe Adapter Sheave	
A	501 5358.7		12" sheave, 3-1/4" radius	1
B	501 5360.9		Sheave pin	1
C	905 0302.3		Spring clip	1
D	501 5359.5		24" vise chain with screw	2
E	905 0692.8		Vise chain handle	2
F	501 5361.7		Pipe adapter frame	1



Use the No. 682 Extension Boom Kit for pulling from concealed conduit



Three simple steps and you are ready to pull: (1) Thread extension pipe adapter onto conduit ... (2) attach flexible pipe adapter sheave (using adjustable vise chain) ... and (3) attach puller and adapter-sheave combination.

Close-coupled design keeps pulling force in line with the conduit ... completely eliminates strains on hangers or boxes. Unit handles both vertical and horizontal pulls.

IMPORTANT!

This new Greenlee No. 682 Extension Boom Kit fits *all* Greenlee Nos. 670 Power Puller "Packages" now in use in the field.

Key No.	Control No.	Cat. No.	Description	Qty
		682	Extension Boom Kit	
A		685	Flexible pipe adapter, includes parts B thru I	1
B	501 5358.7		12" sheave	1
C	501 7313.8		Sheave pin	1
D	905 0302.3		Spring clip	1
E	501 7308.1		Flexible pipe adapter frame	1
F	501 7310.3		Left hand extension arm	1
G	501 7311.1		Right hand extension arm	1
H	501 5359.5		24" vise chain with screw	1
I	905 0692.8		Vise chain handle	1
J	501 6782.0		2" conduit extension bushing	1
K	501 6783.9		2-1/2" conduit extension bushing	1
L	501 6784.7		3" conduit extension bushing	1
M	501 6785.5		3-1/2" conduit extension bushing	1
N	501 6786.3		4" conduit extension	1
O	501 6781.2		Extension T-boom	1

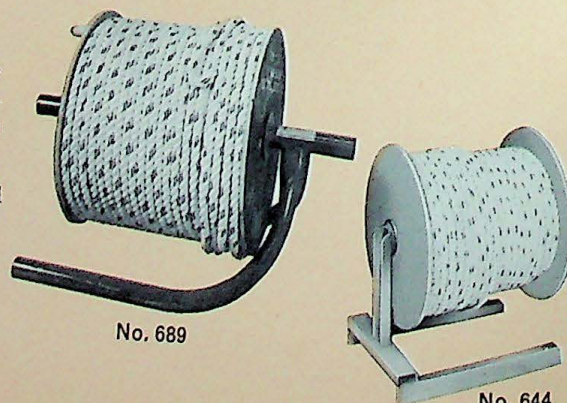
Nos. 680 and 688 Pulling Rope; Nos. 644 and 689 Reel Stand

Polypropylene rope proved best for cable and wire pulling jobs

3/4" dia synthetic rope has 8000-lb breaking strength, handles easily through conduit, and provides proper friction for capstan pulling. Non-conductor; comes in 300-ft and 600-ft lengths on a wooden spool. Weights: 43 and 90 lb. 10" eye splice.

No. 644 (300') and No. 689 (600') reel stands simplify handling and storing of spools of polypropylene rope.

Cat. No.	Description
644	300-ft Rope Reel Stand
680	300-ft 3/4" dia Pulling Rope
688	600-ft 3/4" dia Pulling Rope
689	600-ft Rope Reel Stand



No. 689

No. 644

No. 766 Lightweight Wire Puller

Weighs only 29 lb . . . has big 1500-lb pulling capacity

This portable ratchet-action puller is easily carried and operated by one man. Two-speed winch requires only 30-lb handle pressure to produce 1500-lb pull. Pull is always in line with the conduit, and there is never any strain on hanger or outlet box.

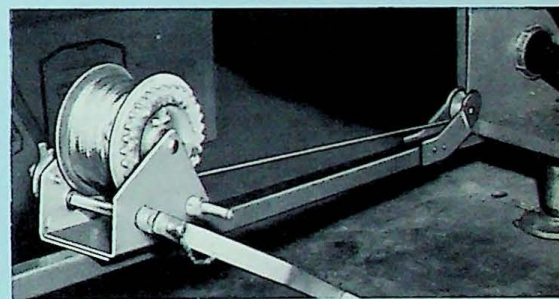
Pulling reel is equipped with 200 ft of aircraft-type swaged steel cable. Open-side pulley support assures easy access to any outlet box. Weight 29 lb.

Control No.	Cat. No.	Description
	766	Lightweight Wire Puller with 200-ft of aircraft-type steel cable
905 0954.4	5-0285	200-ft spool of aircraft-type swaged steel cable
501 4568.1	1-4568	Shear pin
501 9121.7	1-9121	Crank handle assembly



No special tools required to pull beyond outlet boxes

To pull beyond outlet boxes with the Greenlee No. 766 Wire Puller, simply insert a bar in the end of the puller's steel frame. On this job, bar was hooked under outlet box to provide support for pulling.



No. 500 Wire Cart

Cuts your wire pulling time by 30%.

Stops kinks, loops, and "bird nests" in coiled wire. Dispense three coils of equal size and length from each of two spindles. Ideal for motor and control circuits. Auxiliary tables are interchangeable.

Unique automatic brake adjusts for wire sizes from bell wire to No. 8—gives you positive control of wire coils. Stops feeding wire instantly when pull is stopped. Light pull on wire releases the brake.

No. 500 Wire Cart is ideal for storing and transporting coiled wire. Change coils in seconds.

Base unit with two permanent tables is 41" long, 19" wide, 20" high.

Cat. No.	Description
500*	Wire Cart Complete (base unit with 2 permanently mounted and 4 removable tables)
501	Wire Cart Base Unit (with 2 permanently mounted tables)
502	Auxiliary Tables (packaged 4 per shipping carton)

*U.S. Pat. No. 3,118,129

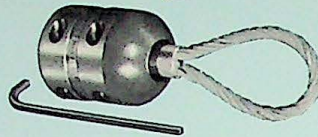


Nos. 674, 675, 676 Positive Wire and Cable Grips

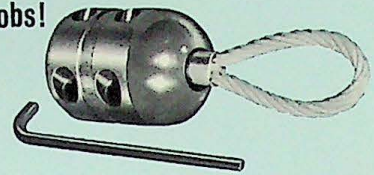
Now . . . end lost cable problems on all your pulling jobs!



No. 674—for 2" and 2-1/2" conduit, 4000-lb capacity



No. 675—for 3" and 3-1/2" conduit, 6000-lb capacity



No. 676—for 4" and 5" conduit, 8000-lb capacity

Here is a *positive* pulling grip that locks on all sizes of conductors up to 1000 mcm . . . uses only 4" of costly conductors . . . holds fast on the toughest pulls . . . goes anywhere cable or wire can go. Tool will not bind or hang up in the conduit.

With these economical tools, you can pull large cable . . . small-diameter wire . . . or any cable and wire combination thru 2" and larger conduit.

Three standard sizes handle all conductors thru 1000 mcm—replace a variety of sizes of braided wire "baskets" formerly required.

Pat. No. 3,166,810

Control No.	Cat. No.	Description
	674	Wire Grip for 2" and 2-1/2" Conduit
905 1199.9	5-1199	3/8"—16 x 5/8" Socket cone point set screw
905 1206.5	5-1206	Long-arm Allen wrench, 3/16"
	675	Wire Grip for 3" and 3-1/2" Conduit
905 1200.6	5-1200	1/2"—13 x 3/4" Socket cone point set screw
905 1207.3	5-1207	Long-arm Allen wrench, 1/4"
	676	Wire Grip for 4" and 5" Conduit
905 1211.1	5-1211	3/4"—10 x 3/4" Socket cone point set screw
905 1208.1	5-1208	Long-arm Allen wrench, 3/8"

Here is the secret of the positive slipproof grip.*

Cone point setscrews force the conductor wires into countersunk holes in the tool. Result: a grip so powerful that cable cannot pull out of the tool.

*Holes in wire grip should be filled between 50 and 75% with wire to assure a positive, slipproof grip.



Pat. No. 3,166,810

No. 677 Positive Wire Grip "Package"

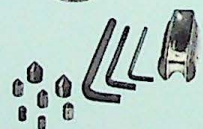
Save time joining cable to pulling rope

Speed setup and be ready to pull sooner on your next pulling job with this tool "package". It includes the three standard Greenlee wire grips (for 2" thru 5" conduit) *plus* the new Greenlee No. 678 rope clevis. Savings in make-ready time alone can pay for this tool package on the first job.

Catalog No. 677

Description

Wire Grip Package, including one each Nos. 674, 675, 676 wire grips; extra cone point set screws and wrenches; and one No. 678 rope clevis. Packed in metal box.



Greenlee Lube Spreader—Conduit Swabs

Clean and lubricate conduit at the same time

These applicators clean conduit of all water and debris *ahead* of the cable and spread a uniform coating of pulling compound inside the conduit for easier pulls.

Cat. No.	Description
	Lube Spreader—Conduit Swab
692	For 2" conduit
693	For 2-1/2" conduit
694	For 3" conduit
695	For 3-1/2" conduit
696	For 4" conduit
697	For 5" conduit
698	For 6" conduit

No. 678 Rope Clevis

Forged steel construction for complete dependability

Capacity 8000 lb. Use it to connect pulling rope to wire grip. Also, tool can be used as a sheave to increase mechanical advantage on tough pulls. For use in 2" and larger conduit. Slides easily through 90° bends and offsets.

Control No.	Cat. No.	Description
501 8868.2	678	Rope Clevis Complete
501 9026.1		Rope clevis body
501 8869.0		Sheave pin 1/2" x 1-1/2"
		Sheave 1-1/2" dia x 7/8"



No. 750 Hydraulic-Powered Cable Cutter cuts up to 1000 MCM cable in 7 seconds

NOTE: Not for use on ACSR cable.

- **Cuts FAST**—The new Greenlee No. 750 Cable Cutter cuts up to 1000 MCM standard copper or aluminum power cable in *seconds*. Cutting jaws slide open quickly when hydraulic pressure is released to save time between cuts.
- **Powerful**—11-ton ram powers cutting jaws smoothly and easily through heavy insulation and conductors. Cutting jaws are specially hardened and ground to hold their sharpness.
- **Foolproof**—The cutting head on the new Greenlee No. 750 Cable Cutter is specially designed to prevent lock-up due to misuse. Jaws cannot over-travel and lock-up. This important safety feature saves valuable time for you.
- **Lightweight, easy to use**—Aluminum body and yoke make this the lightest cable cutter on the market—weighs only 19 lb complete with pump and hose. Compact, 14 x 13 x 4" steel box needs minimum of storage space.
- **Ideal for hand or power pump operation**—The No. 750 cable cutter can be powered with the Greenlee No. 915-PS Lightweight Power Pump (weighs 22 lb). For hand operation, the Greenlee No. 767 Hand Pump is recommended.

Comes complete with hydraulic hand pump and hose in all-welded steel storage box.

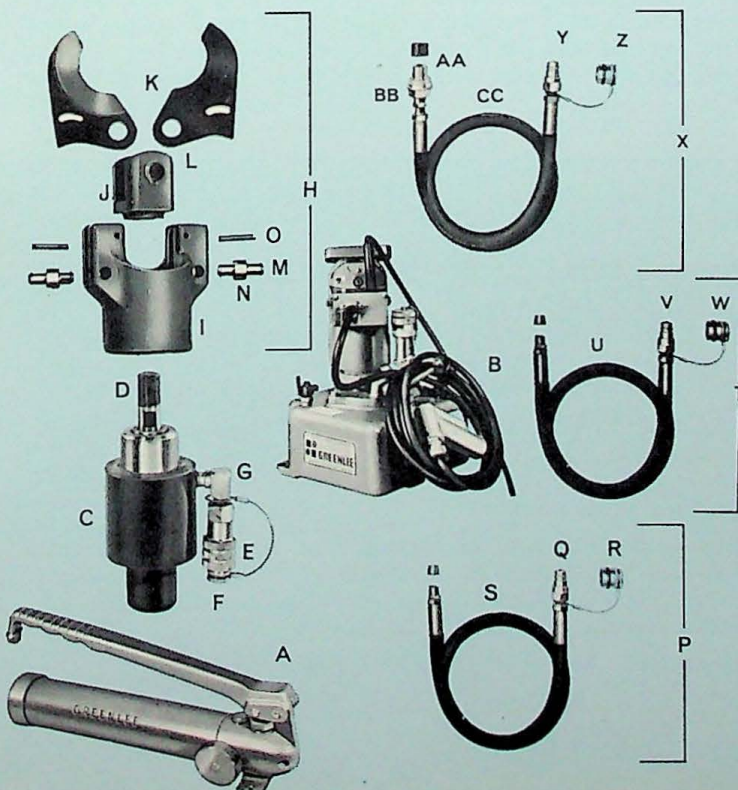


Convert your Greenlee No. 7646 Knockout Driver to a cable cutter.

If you already own a Greenlee No. 7646 Hydraulic Knockout Driver, you can adapt it to cut up to 1000 MCM cable. Purchase only the Greenlee No. 751 cutter head unit and No. 1-7453 piston shaft that attach directly to ram without special tools or modifications. Complete changeover takes only minutes.

Cat. No.	Description
751	Cutter head unit
1-7453	3/4" piston shaft

Key	Control No.	Cat. No.	Description
		750-H-767	Hydraulic Cable Cutter, complete with No. 767 hand pump and hose packed in metal carrying case.
		750-E-915	Hydraulic Cable Cutter, complete with No. 915-PS electric power pump and hose (cable cutter packed in metal case—power pump shipped separately).
		767	Hand pump
		915-PS	Power pump
		746C	Ram unit, includes Keys D thru G
A	501 7453.3	1-7453	3/4" piston shaft
B	905 0259.0	5-0259	1/4" female coupler
C	905 0314.7	5-0314	Dust plug
D	905 1385.1	5-1385	1/4" 90° elbow
E		751	Cutter head unit, includes Keys I thru O
F	501 7456.8	1-7456	Body
G	501 7458.4	1-7458	Yoke
H	501 7459.2	1-7459	Cutter jaw (2 required)
I	501 7460.6	1-7460	Yoke pin
J	501 7461.4	1-7461	Roller pin (2 required)
K	501 7462.2	1-7462	Roller (2 required)
L	905 1381.9	5-1381	1/4" x 1-1/2" pin (2 required)
M			HOSE UNITS FOR No. 767 HAND PUMP
N	501 5627.6	1-5627	1/4" x 3 ft High-Pressure Hose Unit, includes Keys Q thru S
O	905 0280.9	5-0280	1/4" male coupler
P	905 0315.5	5-0315	Dust cap
Q	905 0386.4	921GB	1/4" x 3 ft high-pressure hose
R	502 0483.1		1/4" x 6 ft High-Pressure Hose Unit, includes Keys U thru W
S	905 1688.5	5-1688	1/4" x 6 ft high-pressure hose
T	905 0280.9	5-0280	1/4" male coupler
U	905 0315.5	5-0315	Dust cap
V			HOSE UNITS FOR No. 915-PS POWER PUMP
W	501 7707.9	1-7707	1/4" x 3 ft High-Pressure Hose Unit, includes Keys U thru Z
X	905 0280.9	5-0280	1/4" male coupler
Y	905 0315.5	5-0315	Dust cap
Z	905 0823.8	4033-GB	3/8" male coupler with dust cap
AA	905 0426.7	1133-GB	Reducer
BB	905 0386.4	921-GB	1/4" x 3 ft high-pressure hose
CC			

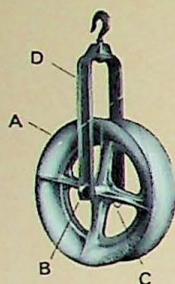


Nos. 650, 651, 652, 653 Hook-Type Cable Sheaves

Heavy-duty construction plus light weight for easy portability

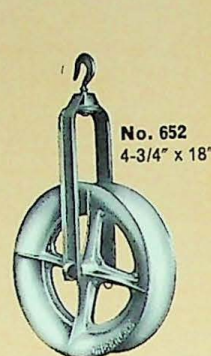
Use these versatile, lightweight sheaves as snatch blocks to change direction of cable under pull . . . to suspend cable on long spans . . . to keep cables bunched together for overhead pulls.

All-welded steel frame. High-strength aluminum alloy sheave is easily removable. 3/4" spindle. Self-lubricating bearings. Cast steel hook.

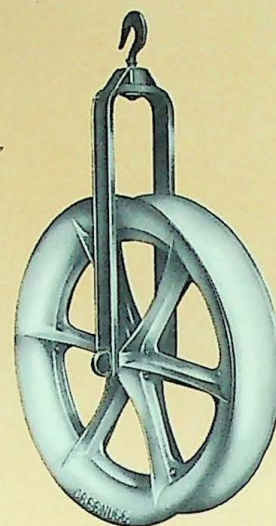


Cat. No.	Description
650	6" Hook-Type Cable Sheave, 1-1/4" Radius
651	12" Hook-Type Cable Sheave, 3-1/4" Radius
652	18" Hook-Type Cable Sheave, 6-3/4" Radius
653	24" Hook-Type Cable Sheave, 9-3/4" Radius

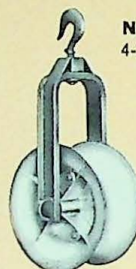
Key	Description	No. 650 Control No.	No. 651 Control No.	No. 652 Control No.	No. 653 Control No.
A	Sheave	501 5362.5	501 5358.7	501 5363.3	501 5364.1
B	Sheave pin	501 6797.9	501 6797.9	501 6797.9	501 6797.9
C	Spring clip	905 0302.3	905 0302.3	905 0302.3	905 0302.3
D	Yoke frame	501 6799.5	501 6800.2	501 6801.0	501 6802.9



No. 652
4-3/4" x 18"



No. 653
4-3/4" x 24"



No. 651
4-3/4" x 10-3/4"

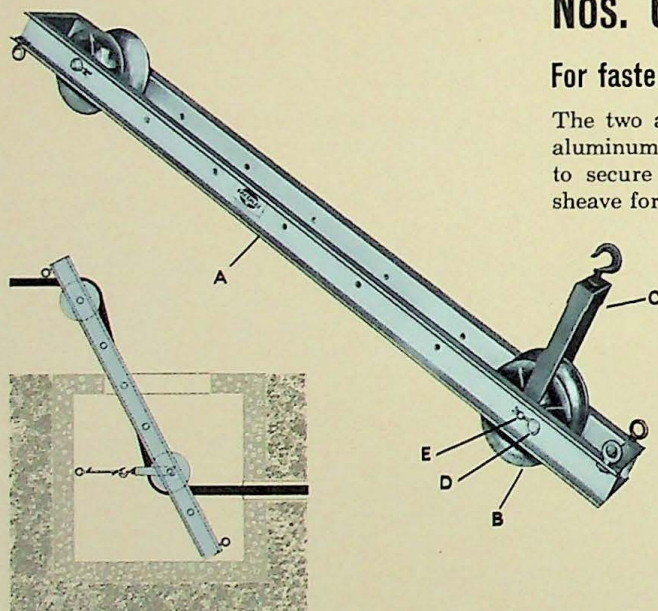


No. 650
4-3/4" x 6"

Nos. 648, 671, 672 Manhole Sheaves

For faster, easier feeding of underground cable through manholes

The two aluminum sheaves can be placed anywhere on the high-tensile aluminum alloy frame. Eyebolts at each end of the channels can be used to secure the unit in proper position. Hook-type yoke is provided on sheave for connecting to pulling eye in manhole. Self-lubricating bearings.



Key	Control No.	Cat. No.	Description	Qty
		648	Manhole Sheave, 8 ft	
A	501 7294.8		Frame, 8 ft	1
B	501 5358.7		12" Sheave	2
C	501 7257.3		Hook-type yoke	1
D	905 0302.3		Spring clip	2
E	501 5360.9		Sheave pin	2
		671	Manhole Sheave, 10 ft	
A	501 7300.6		Frame, 10 ft	1
B	501 5363.3		18" Sheave	2
C	501 7257.3		Hook-type yoke	1
D	905 0302.3		Spring clip	2
E	501 5360.9		Sheave pin	2
		672	Manhole Sheave, 12 ft	
A	501 7298.0		Frame, 12 ft	1
B	501 5363.3		18" Sheave	2
C	501 7299.9		Hook-type yoke	1
D	905 0302.3		Spring clip	2
E	501 5360.9		Sheave pin	2

No. 681 Overhead Drill Stand

Now you can take the backbreaking work out of overhead drilling jobs

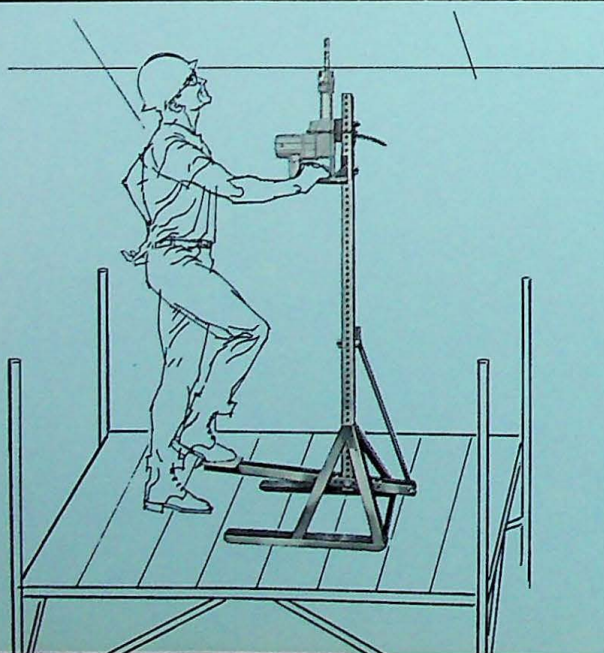
This laborsaving drill stand makes every overhead drilling job easier, safer. Maximum extended height is approximately 6 ft.

Completely supports weight of power tool. Right-angle bracket and universal chain clamp lock any size or brand of power tool rigidly in place on the stand. Entire weight of the tool is fully supported at all times.

Three-to-one leverage for easy drilling. Simple foot-powered lever raises drill bit 2" to 10". Three-to-one advantage enables workman to develop 300 lb upward thrust on the drill with 100 lb of thrust on the foot lever.

Lightweight—Weighs only 50 lb (less power tool).

Cat. No.	Description
681	Overhead Drill Stand

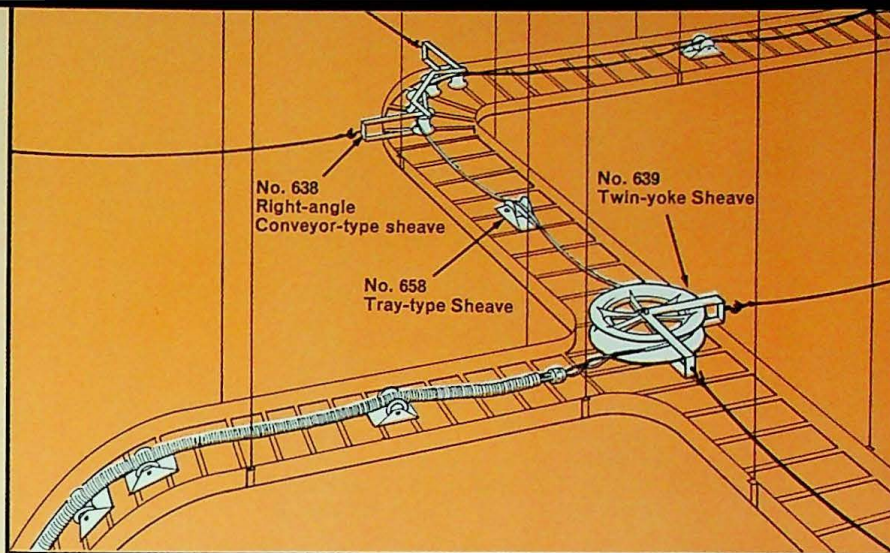


New Greenlee Tray-type Cable Handling System

Here's everything you need for faster, more efficient tray work . . . a complete system designed by electricians, for electricians.

Now, you can handle any tray job in less time and with fewer men. This new cable handling system eliminates the danger of overstressing trays or pulling out hangers. It also protects sheathing and prevents damage to insulation.

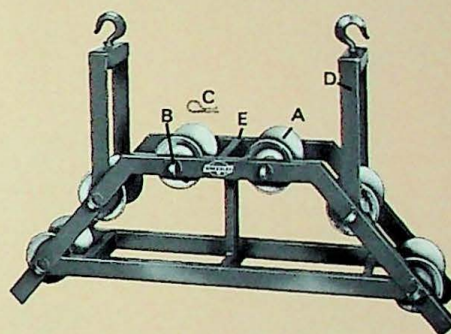
Lightweight, aluminum alloy construction of sheaves makes handling easier . . . speeds setup on every job.



Nos. 636, 637, 638 Conveyor-type Cable Sheaves

Make easy work of feeding cable and wire through overhead trays. Also ideal for guiding cable into underground runs.

Greenlee conveyor sheaves replace larger, hard-to-manage single sheaves —are lighter, easier to handle. Multiple sheaves are arranged on correct radius to prevent stressing of sheathing in bends and turns. All-welded steel frame with 4, 6, or 8 high-strength aluminum alloy sheaves depending on radius of conveyor.



Cat. No.	Description
636	16" Radius Right Angle Conveyor Sheave
637	24" Radius Right Angle Conveyor Sheave
638	36" Radius Right Angle Conveyor Sheave

Key	Description	No. 636 Control No.	Qty	No. 637 Control No.	Qty	No. 638 Control No.	Qty
A	Sheave	501 5362.5	4	501 5362.5	6	501 5362.5	8
B	Sheave pin	501 7256.5	4	501 7256.5	6	501 7256.5	8
C	Spring clip	905 0302.3	4	905 0302.3	6	905 0302.3	8
D	Yoke frame	501 7257.3	2	501 7257.3	2	501 7257.3	2
E	Frame	501 7258.1	1	501 7261.1	1	501 7264.6	1

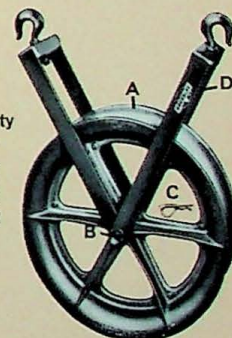
No. 639 Right-angle Twin-yoke Sheave

The fast, safe way to guide cable around bends in trays

This Greenlee sheave is designed to protect trays and hangers from the heavy pulling forces needed to guide sheathed cable around angles and bends in tray runs. Ropes from the right angle yokes anchor the sheave to nearby pillars or beams. Steel frame, cast steel hooks, lightweight aluminum alloy sheave.

Cat. No.	Description
639	9-3/4" Radius Right Angle Twin Yoke Sheave

Key	Description	No. 639 Control No.	Qty
A	Sheave	501 5364.1	1
B	Sheave pin	501 5360.9	1
C	Spring clip	905 0302.3	1
D	Yoke frame	501 7299.9	2

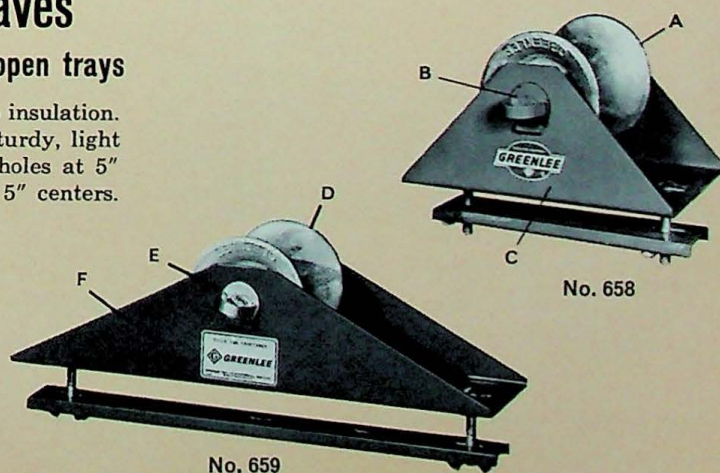


Nos. 658 and 659 Tray-Type Sheaves

Protect cable against damage from sharp edges of open trays

These handy sheaves support cables . . . prevent damage to insulation. Base mounting bracket on each attaches quickly, easily. Sturdy, light cast aluminum. No. 658 base length is 9" with mounting holes at 5" centers. No. 659 base length is 19" with mounting holes at 5" centers.

Key	Control No.	Cat. No.	Description
A	501 5362.5	658	Tray-Type Sheave (4-3/4" x 6")
B	501 7323.5		6" Sheave, 1-1/4" radius
C	501 6698.0		Sheave pin
D	501 5362.5	659	Tray-Type Sheave (4-3/4" x 6")
E	501 7323.5		6" Sheave, 1-1/4" radius
F	501 9627.8		Sheave pin



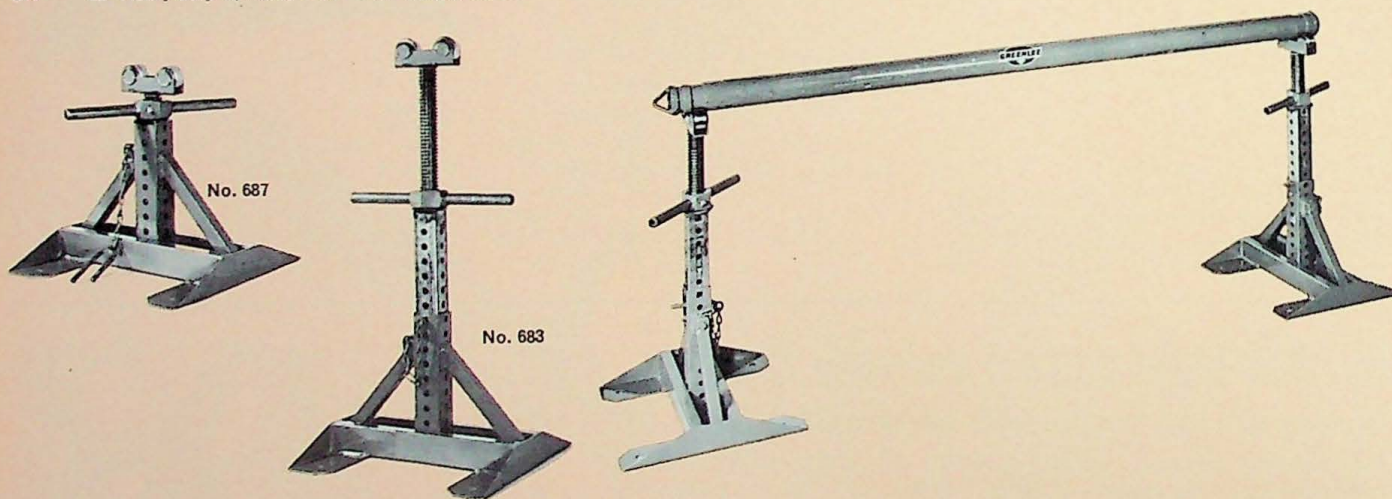
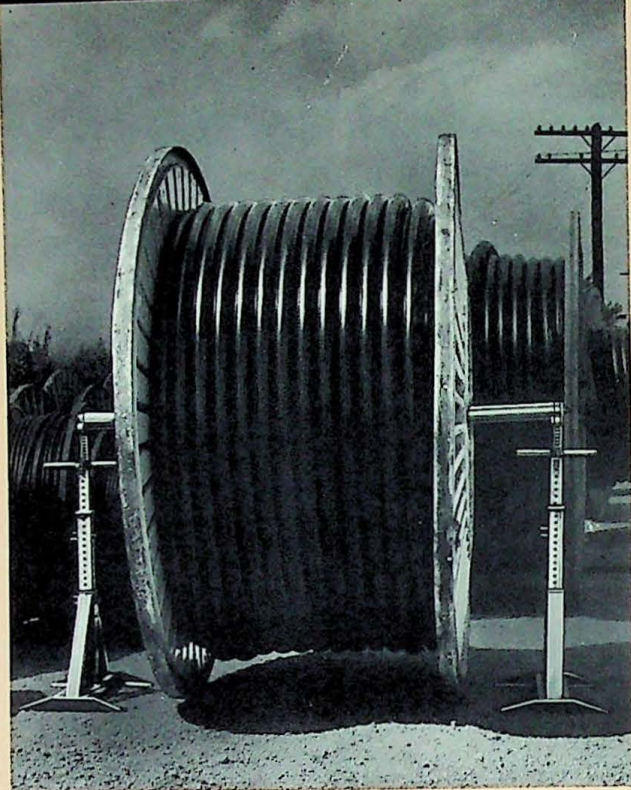
Nos. 683, 687 Screw-type Telescoping Reel Stands

One man easily lifts 5,000-lb cable reels into position
in minutes using this equipment

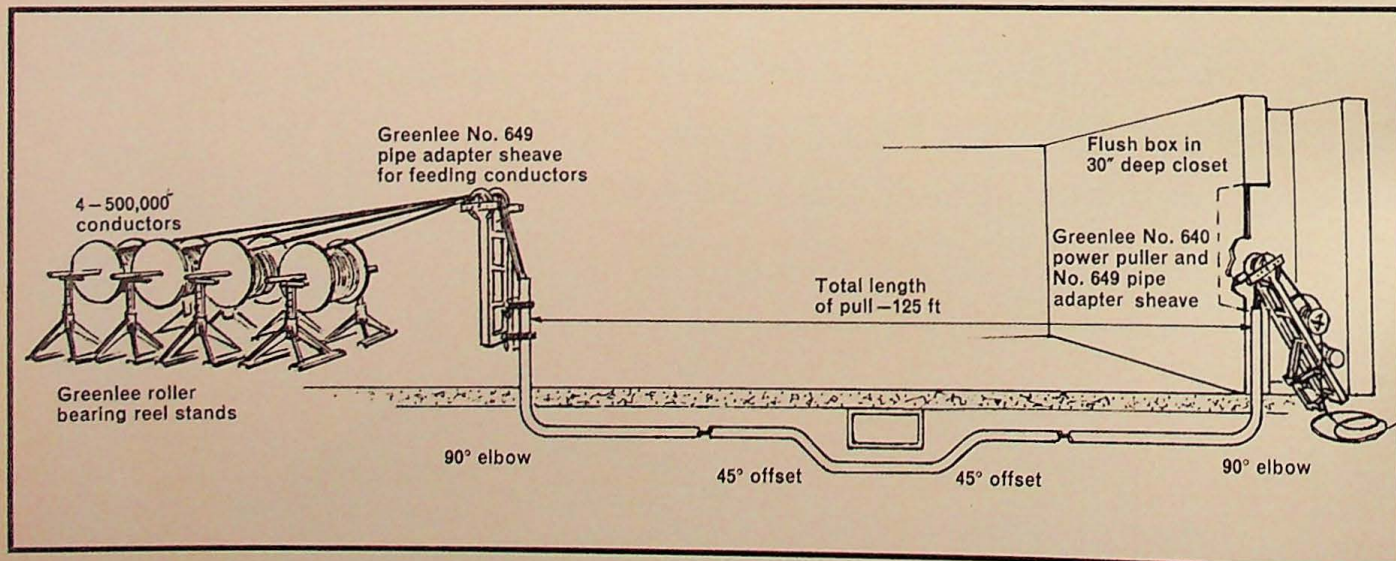
Here is the safe, sensible way to lift reels into position for paying out cable. Reels are raised by heavy-duty Acme thread lift screws on each stand. Telescoping stands have tough roller bearings to cradle spindle for easy pay-out of cable. Tempered steel spindle is grooved to prevent "creeping" as reel turns. Telescoping reel stands are adjustable for height.

Two models: No. 683—22" minimum spindle height, 54" maximum spindle height; handles 46" through 96" dia reels. No. 687—13" minimum spindle height; 28" maximum spindle height; handles 28" through 56" dia reels.

Cat. No.	Description
683	Screw-type Telescoping Reel Stand (2 req). Weight 37 lb each. Capacity per reel stand, 2500 lb.
684	76" Heavy-duty spindle, 2-1/2" dia. Weight 49 lb.
687	Screw-type Telescoping Reel Stand (2 req). Weight 25 lb each. Capacity per reel stand, 2500 lb.
647	62" Heavy-duty spindle, 2-1/2" dia. Weight 39 lb.



A typical setup using Greenlee telescoping reel stands.



No. 1820 Cable Stripper

Strips polyethylene, PVC, and similar insulation from 1/0, 2/0, 3/0, 4/0, 250 MCM, 350 MCM, and 500 MCM cable . . . ideal for TW, THW, THWN optional bushings available for 600 MCM and 750 MCM—simply insert cable in Greenlee stripper and twist . . . blade quickly strips away all insulation in one simple operation.

Clean Cuts—stripper automatically makes straight, clean cuts . . . and will not score the conductors.

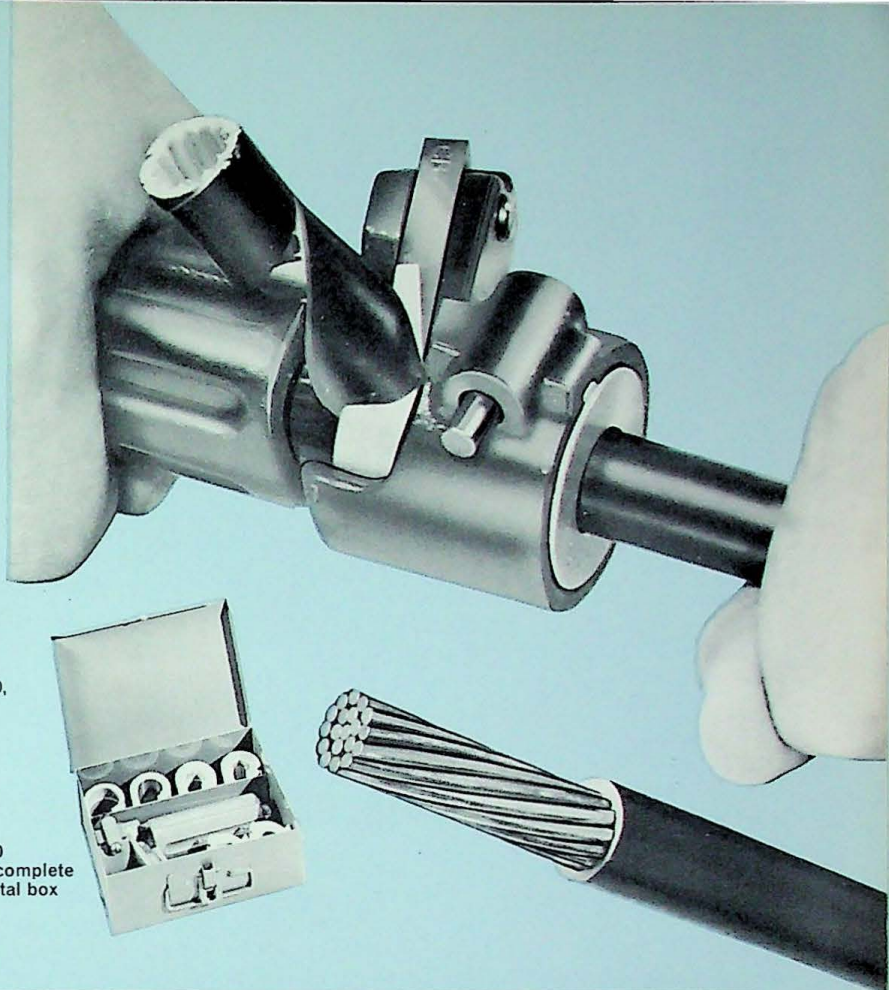
Safe—concealed blade positively prevents injury—far safer than old-fashioned handknife stripping.

Adjustable—adjusts in seconds for any thickness of insulation. Bushings for other sizes available upon request.

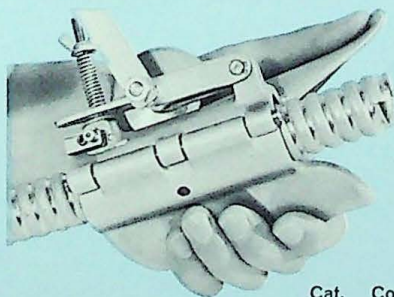
Ideal for repeat work—built-in adjustable stop lets you set length of insulation to be stripped.

Cat. No.	Description
1820	Cable Stripper, complete with bushings for 1/0, 2/0, 3/0, 4/0, 250 MCM, 350 MCM, and 500 MCM
1821	Stripper Tool without bushings and metal box
1826	Bushing for 1/0
1827	Bushing for 2/0
1828	Bushing for 3/0
1822	Bushing for 4/0
1823	Bushing for 250 MCM
1824	Bushing for 350 MCM
1825	Bushing for 500 MCM
2-0509	Knife
2-0511	Depth Stop Rod
OPTIONAL	
1829	Bushing for 600 MCM
1830	Bushing for 750 MCM

No. 1820 comes complete with metal box



No. 1815 Flexcutter



Comes complete in handy metal storage and carrying box.

Cat. No.	Control No.	Description
1815		Flexcutter complete for 3/8, 1/2, and 3/4" flexible conduit and BX
502 0215.4		High-speed steel saws

The easiest, quickest tool you can use to cut 3/8, 1/2, and 3/4" flex conduit including Sealtite, plus 3/8 and 12-2 BX—without damaging the insulation or the wire. Cuts conduit in 30 seconds.

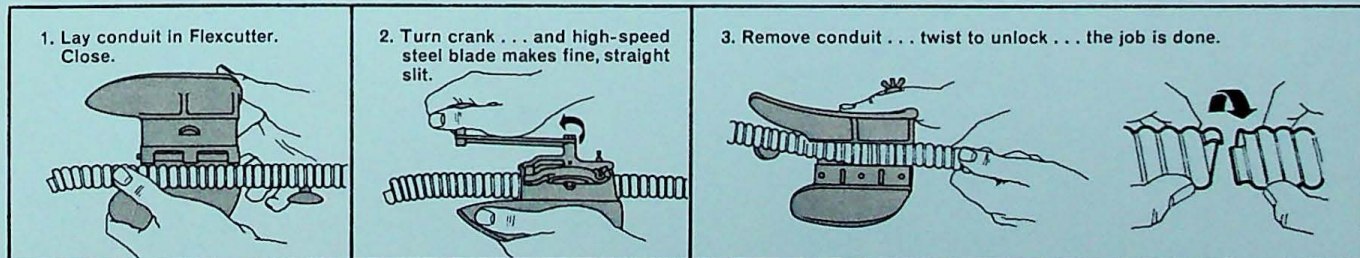
Takes only seconds—simply lay conduit in flexcutter, turn crank . . . and high-speed blade makes fine slit in conduit. Remove conduit, twist slightly—and you have a clean separation.

Eliminates bulky tools—gives clean, perfect cut without damage to conduit, wire, or insulation. No ragged edges.

Safe—entirely enclosed . . . no exposed blades.

Efficient—replaces old-fashioned hacksaw method. Saves time and money. Lightweight . . . only 18 oz.

Includes insert for 3/8 and 1/2" flex or BX wire inside. Built-in blade depth stop prevents cutting insulation on cables and wire inside BX.



Screw Anchor Expanders—Quickly, securely set expansive screw anchor in masonry, regardless of thickness, with these handy tools. Simply screw the anchor into the expander, insert into drilled hole and strike expander head with a hammer. Hardened alloy steel.

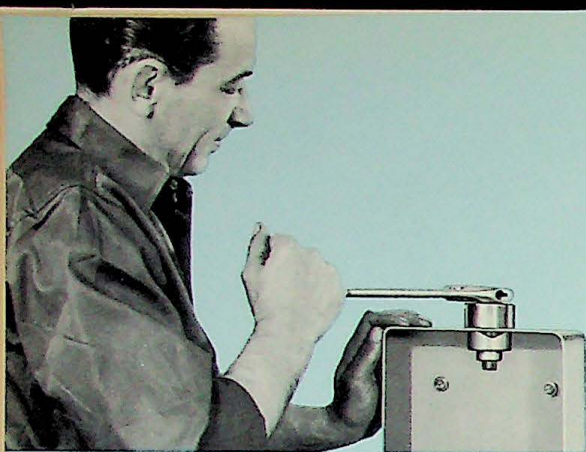
No. 727 Angle Screwdriver—For quick, easy installation of telephone angle screws (standard 5/16" size) without pre-boring. Driver automatically lines up screw with center of drive . . . a few turns with regular brace does the job.



Cat. No.	Expansive Bolt Size	Cat. No.	Expansive Bolt Size
865	8-32	868	1/4"-20
866	10-24	869	5/16"-18
867	12-24	870	3/8"-16



Cat. No.	Description
727	Angle Screwdriver



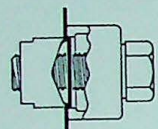
KNOCKOUT PUNCHES

The **FAST** way to make clean, accurate openings for 1/2" thru 5" conduit right on the job

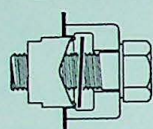
EASY to operate with an ordinary wrench or Greenlee ratchet and hydraulic drivers. Punches cut up to 10-gauge metal

Use Greenlee knockout punches to enlarge knockouts and punch holes for conduit in metal boxes, cabinets, and panels. No time wasted reaming or filing. Just insert the punch drive screw in 7/16" drilled hole, give the nut a few turns with a wrench, and the hole is made. Standard ball bearing drives make hand operation easier, faster. For more efficient operation where a greater number of holes is required, use ratchet or hydraulic drivers described on pages 53, 54, and 55.

Metal is rigidly supported by the die to prevent distortion during punching. Inside of die is recessed for clearance, so slug falls free.



every cut quick and clean



slug falls free in die



... just tip it out

No. 735 and 735BB Knockout Punch Sets for 1/2 thru 1-1/4" conduit

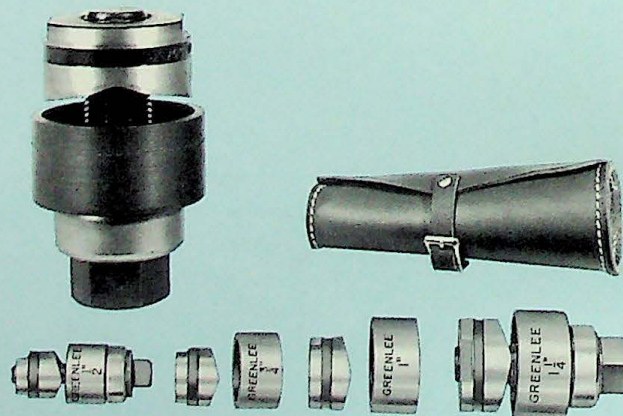
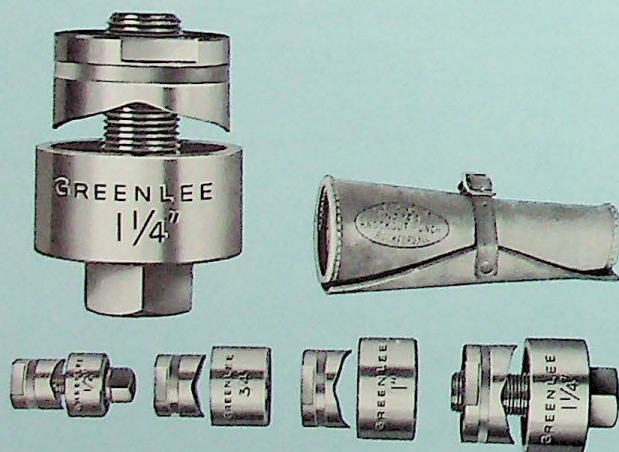
Four punches in set, cut hole diameters of 7/8, 1-3/32, 1-11/32", and 1-11/16" for 1/2, 3/4, 1, and 1-1/4" conduit. Packed in leather case. No. 735BB includes ball bearing drive for easier, faster hand operation. Also can be used with Greenlee ratchet action and hydraulic knockout punch drivers described on pages 53, 54, and 55.

No. 735 Knockout Punch Set complete for 1/2—1-1/4" conduit

Control No.	Cat. No.	Description	Hole Size
500 4006.5	AV-121	1/2" Punch	7/8"
501 4722.6	1-4722	1/2" Die	
500 6976.4	AV-322	3/8" Screw	
500 4008.1	AV-123	3/4" Punch	1-3/32"
500 6972.1	AV-124	3/4" Die	
500 4010.3	AV-125	1" Punch	1-11/32"
500 4011.1	AV-126	1" Die	
500 6974.8	AV-127	1-1/4" Punch	1-11/16"
500 4013.8	AV-128	1-1/4" Die	
500 4039.1	AV-249	3/4" Screw	

No. 735 BB(ball bearing) Knockout Punch Set complete for 1/2—1-1/4" conduit

Control No.	Cat. No.	Description	Hole Size
500 4006.5	AV-121	1/2" Punch	7/8"
501 4722.6	1-4722	1/2" Die	
500 4045.6	AV-322BB	1/2" Ball Bearing Screw	
500 4008.1	AV-123	3/4" Punch	1-3/32"
500 6972.1	AV-124	3/4" Die	
500 4010.3	AV-125	1" Punch	1-11/32"
500 4011.1	AV-126	1" Die	
500 6974.8	AV-127	1-1/4" Punch	1-11/16"
500 4013.8	AV-128	1-1/4" Die	
500 4040.5	AV-249BB	3/4" Ball Bearing Screw	



Heavy-duty drive for 1/2" Knockout Punch

Recommended when 1/2" punch in No. 735 set is used in 10-gauge metals. Drive screw has 1/2" diameter threaded section under the head for drive nut; 3/8" threaded section at the end for the punch.



Control No.	Cat. No.
500 4166.5	AV-1388
500 4165.7	AV-1387

Description
Drive Nut
Drive Screw

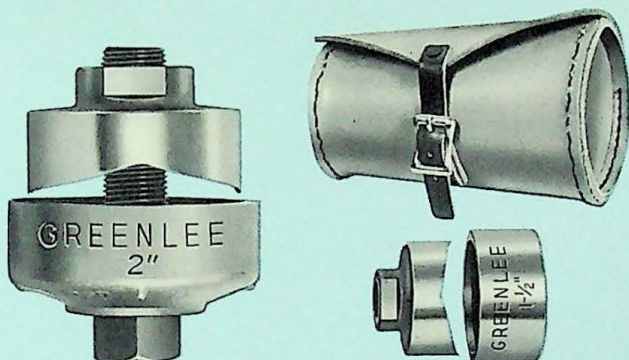
No. 737 and 737BB Knockout Punch Sets for 1-1/2" and 2" conduit

Similar to No. 735 set. Consists of two punches for cutting hole diameters 1-15/16" and 2-3/8" for 1-1/2" and 2" conduit. Packaged in leather case.

No. 737BB includes ball bearing drive for faster, easier hand operation. Also can be used with Greenlee ratchet-action and hydraulic knockout punch drivers described on pages 53, 54, and 55.

No. 737 Knockout Punch Set Complete for 1-1/2" - 2" Conduit

Control No.	Cat. No.	Description	Hole Size
500 6978.0	AV-439	1-1/2" Punch	1-15/16"
500 4061.8	AV-440	1-1/2" Die	
500 4062.6	AV-441	2" Punch	2-3/8"
500 4063.4	AV-442	2" Die	
500 4041.3	AV-304	3/4" Screw	



No. 737BB (ball bearing) Knockout Punch Set Complete for 1-1/2" - 2" Conduit

Control No.	Cat. No.	Description	Hole Size
500 6978.0	AV-439	1-1/2" Punch	1-15/16"
500 4061.8	AV-440	1-1/2" Die	
500 4062.6	AV-441	2" Punch	2-3/8"
500 4063.4	AV-442	2" Die	
500 4042.1	AV-304BB	3/4" Ball Bearing Screw	



Nos. 738-739 and 738BB-739BB Knockout Punches for 2-1/2" and 3" conduit

Packaged and sold individually for cutting holes to accommodate 2-1/2" and 3" conduit. Nos. 738BB and 739BB include ball bearing drive for faster, easier hand operation. Can be operated by ordinary wrench, or by ratchet-action or hydraulic knockout drivers described on pages 53, 54, and 55.

NOTE: When operating, hold screw stationary and turn nut.

No. 738 Knockout Punch Complete for 2-1/2" Conduit

Control No.	Cat. No.	Description	Hole Size
500 4175.4	AV-1429	Punch	2-7/8"
500 4177.0	AV-1430	Die	
500 6992.6	AV-1433	Nut	
500 4188.6	AV-1434	3/4" Screw	

No. 739 Knockout Punch Complete for 3" Conduit

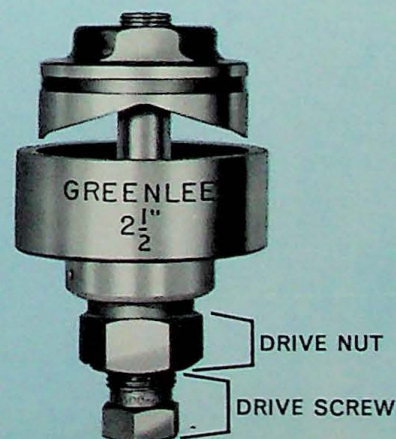
Control No.	Cat. No.	Description	Hole Size
500 4180.0	AV-1431	Punch	3-1/2"
500 4183.5	AV-1432	Die	
500 6992.6	AV-1433	Nut	
500 4188.6	AV-1434	3/4" Screw	

No. 738BB (ball bearing) Knockout Punch Complete for 2-1/2" Conduit

Control No.	Cat. No.	Description	Hole Size
500 4175.4	AV-1429	Punch	2-7/8"
500 4177.0	AV-1430	Die	
500 4187.8	AV-1433BB	Ball Bearing Nut	
500 4188.6	AV-1434	3/4" Screw	

No. 739BB (ball bearing) Knockout Punch Complete for 3" Conduit

Control No.	Cat. No.	Description	Hole Size
500 4180.0	AV-1431	Punch	3-1/2"
500 4183.5	AV-1432	Die	
500 4187.8	AV-1433BB	Ball Bearing Nut	
500 4188.6	AV-1434	3/4" Screw	



Nos. 741-742-743 and 741BB-742BB-743BB Knockout Punches for 3-1/2, 4, and 5" Conduit

Cut clean, burr-free holes (4, 4-1/2, and 5-5/8" dia) for 3-1/2, 4, and 5" conduit with these easy-to-use tools. Nos. 741BB-742BB-743BB include ball bearing drives for faster, easier hand operation. Can be operated by ordinary wrench, or by hydraulic knockout drivers described on pages 54 and 55. Punches are packaged and sold individually.

NOTE: When operating, hold screw stationary and turn nut.



Nos. 741-742-743



Nos. 741BB-742BB-743BB

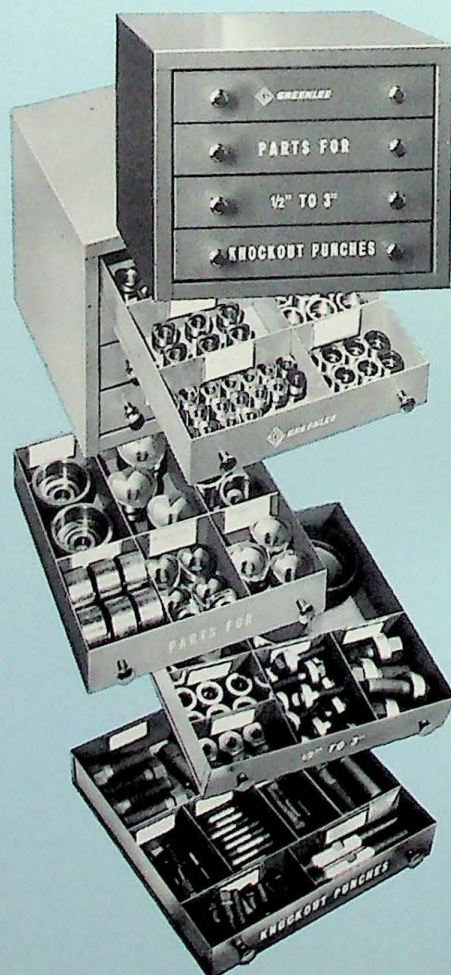
Control No.	Cat. No.	Description	Hole Size
No. 741 Knockout Punch Complete for 3-1/2" Conduit			
500 4653.5	AV-2982	Punch	4"
500 4652.7	AV-2981	Die	
500 4684.5	AV-3036	Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	
No. 742 Knockout Punch Complete for 4" Conduit			
500 4655.1	AV-2984	Punch	4-1/2"
500 4654.3	AV-2983	Die	
500 4684.5	AV-3036	Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	
No. 743 Knockout Punch Complete for 5" Conduit			
500 5447.3	AV-5135	Punch	5-5/8"
500 5448.1	AV-5136	Die	
500 4684.5	AV-3036	Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	

Control No.	Cat. No.	Description	Hole Size
No. 741BB (ball bearing) Knockout Punch Complete for 3-1/2" Conduit			
500 4653.5	AV-2982	Punch	4"
500 4652.7	AV-2981	Die	
500 4685.3	AV-3036BB	Ball Bearing Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	
No. 742BB (ball bearing) Knockout Punch Complete for 4" Conduit			
500 4655.1	AV-2984	Punch	4-1/2"
500 4654.3	AV-2983	Die	
500 4685.3	AV-3036BB	Ball Bearing Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	
No. 743BB (ball bearing) Knockout Punch Complete for 5" Conduit			
500 5447.3	AV-5135	Punch	5-5/8"
500 5448.1	AV-5136	Die	
500 4685.3	AV-3036BB	Ball Bearing Nut	
500 4679.9	AV-3026	1-1/8" Screw	
500 4686.1	AV-3037	Bushing	

No. 7359 Knockout Punch Assortment

Includes carefully balanced stock of replacement parts . . . saves time by having parts on hand when needed. Assortment includes 1/2 to 3" knockout tools. Also includes drive screws for No. 7646 hydraulic knockout driver and No. 1804 ratchet knockout driver. Comes in four-drawer, all-steel storage cabinet with labeled compartments. Size: 12-1/2" wide, 10-11/16" high, 11-3/8" deep.

Qty	Control No.	Cat. No.	Description
		7359	Knockout Punch Assortment complete, with free parts cabinet
18	500 4006.5	AV121	1/2" Conduit Punch
12	501 4722.6	1-4722	1/2" Conduit Die
6	500 4008.1	AV123	3/4" Conduit Punch
6	500 6972.1	AV124	3/4" Conduit Die
6	500 4010.3	AV125	1" Conduit Punch
6	500 4011.1	AV126	1" Conduit Die
6	500 6974.8	AV127	1-1/4" Conduit Punch
6	500 4013.8	AV128	1-1/4" Conduit Die
3	500 6978.0	AV439	1-1/2" Conduit Punch
3	500 4061.8	AV440	1-1/2" Conduit Die
3	500 4062.6	AV441	2" Conduit Punch
2	500 4063.4	AV442	2" Conduit Die
1	500 4175.4	AV1429	2-1/2" Conduit Punch
1	500 4177.0	AV1430	2-1/2" Conduit Die
1	500 4180.0	AV1431	3" Conduit Punch
1	500 4183.5	AV1432	3" Conduit Die
4	500 4040.5	AV249BB	3/4" Ball Bearing Drive Screw
12	500 4045.6	AV322BB	3/8" Ball Bearing Drive Screw
6	500 4167.3	AV1388BB	Ball Bearing Drive Nut
6	500 4166.5	AV1388	Heavy-Duty Drive Nut
4	500 4042.1	AV304BB	3/4" Ball Bearing Drive Screw
12	500 4039.1	AV249	3/4" Drive Screw
4	500 4041.3	AV304	3/4" Drive Screw
24	500 6976.4	AV322	3/8" Drive Screw
6	500 4165.7	AV1387	Heavy-Duty Drive Screw
24	500 3194.5	AA1614	3/8" Threaded Adapter for No. 7646 Hydraulic Knockout Punch Driver
3	500 3294.1	AA2113	3/4" Shaft for No. 7646 Hydraulic Knockout Punch Driver
6	501 2097.2	1-2097	3/8" Screw Adapter for No. 1804 Ratchet-Action Punch Driver

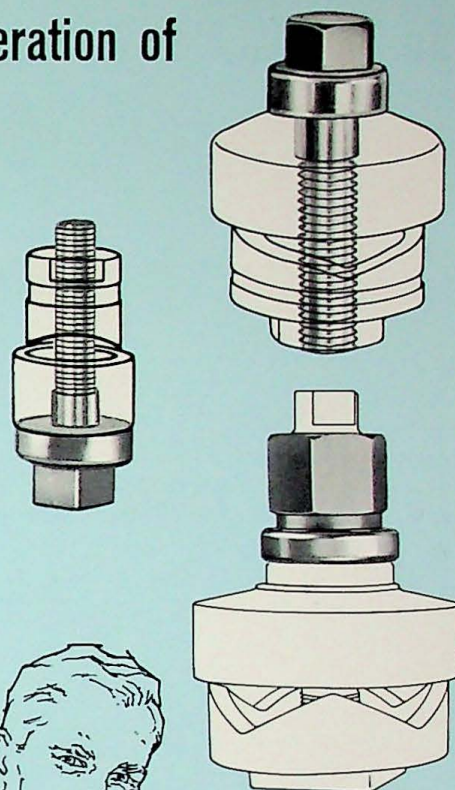


Ball Bearing Drives for faster, easier hand operation of Greenlee knockout punches

Minimize time and effort needed to operate Greenlee knockout punches with an ordinary wrench. Ball bearings fight friction . . . make knockout jobs easier.

Greenlee ball bearing drives are available for use with all Greenlee knockout and chassis punches having a 3/8" or larger drive screw.

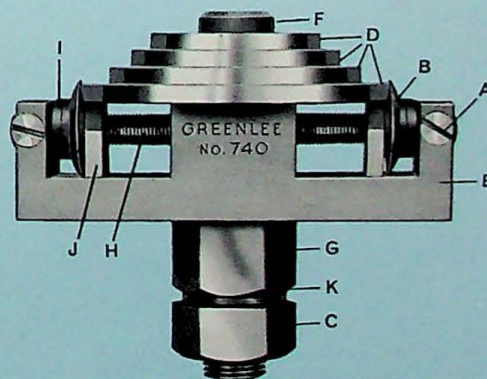
Knockout Punch Cat. No.	Knockout Punch Sizes	Ball Bearing Drive Cat. No. (Control No.)	Description
735 (Heavy-duty drive)	1/2"	AV-1388BB (500 4167.3)	Drive Nut
735	1/2"	AV-322BB (500 4045.6)	Drive Screw
735	3/4", 1", 1-1/4"	AV-249BB (500 4040.5)	Drive Screw
737	1-1/2", 2"	AV-304BB (500 4042.1)	Drive Screw
738, 739	2-1/2", 3"	AV-1433BB (500 4187.8)	Drive Nut
741, 742, 743	3-1/2", 4", 5"	AV-3036BB (500 4685.3)	Drive Nut
Punch Size			
730	11/16", 3/4", 13/16", 7/8", 15/16"	AV-322BB (500 4045.6)	Drive Screw
730	1", 1-1/16", 1-1/8", 1-5/32", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-1/2"	AV-112BB (500 3997.0)	Drive Screw
730	1-5/8", 1-3/4"	AV-249BB (500 4040.5)	Drive Screw
730	1-7/8", 2", 2-1/8", 2-1/4", 2-1/2"	AV-304BB (500 4042.1)	Drive Screw
730	2-3/4", 3"	AV-1433BB (500 4187.8)	Drive Nut
730-E	18.6, 20.4, 22.5 mm	AV-322BB (500 4045.6)	Drive Screw
730-E	30.5 mm	AV-112BB (500 3997.0)	Drive Screw
730-E	28.3, 37 mm	AV-112BB (500 3997.0)	Drive Screw
730-E	47, 60 mm	AV-304BB (500 4042.1)	Drive Screw
730-E	82 mm	AV-1433BB (500 4187.8)	Drive Nut
730-X	1-1/8", 1-3/16", 1-1/4", 1-3/8", 1-1/2"	AV-249BB (500 4040.5)	Drive Screw
730-S	1-7/32"	AV-249BB (500 4040.5)	Drive Screw
730-M	2-25/32"	AV-304BB (500 4042.1)	Drive Screw
730-T	3-1/8"	AV-1433BB (500 4187.8)	Drive Nut



No. 740 Knockout Cutter for 1-1/2"-3" conduit

Enlarges knockouts to take 1-1/2", 2", 2-1/2" and 3" conduit. Simply turn with ordinary hand wrench. Packaged in oil-tanned leather pouch.

Key	Control No.	Cat. No.	Description
		740	Knockout Cutter Complete
A	500 4046.4	AV-323	Lock screw (2)
B	500 4047.2	AV-324	Wheel cutter (2)
C	500 4048.0	AV-325	Feed nut
D	500 4049.9	AV-326	1-15/16" dia disc
	500 7003.7	AV-2021	2-3/8" dia disc
	500 4321.8	AV-2022	2-7/8" dia disc
	500 4325.0	AV-2023	3-1/2" dia disc
E	500 4051.0	AV-327	Body
F	500 4052.9	AV-328	Center shaft
G	500 4053.7	AV-329	Drive nut
H	500 4054.5	AV-330	Retainer screw (2)
I	500 4055.3	AV-331	Cutter bushing (2)
J	500 4056.1	AV-332	Cutter support (2)
K	500 6977.2	AV-333	Key washer
	905 0358.9	669-GB	Woodruff key (not shown)



No. 734 Double "D" Punch



Makes quick knockouts for electrical receptacles

Make on-the-job knockouts for electrical receptacles in less than two minutes with this timesaving punch. Cuts standard hole 1-1/8" diameter across parallel sides, 1-3/8" diameter across rounded ends. Eliminates tedious hand filing. Operated by ordinary wrench.

Control No.	Cat. No.	Description
	734	1-3/8" x 1-1/8" Double "D" Punch Complete for electrical receptacles
500 5571.2	AV-5489	Punch
500 5572.0	AV-5490	Die
500 5573.9	AV-5491	Screw
500 4166.5	AV-1388	Nut

Nos. 730-S, 730-M, 730-T Punches



No. 730-S cuts 1-7/32" hole for oil-tight control units.

No. 730-M cuts 2-25/32" hole for meter units.

No. 730-T cuts 3-1/8" hole for timer units and instruments for aircraft panels.

For faster punching, use Greenlee ratchet driver or hydraulic knockout punch drivers described on pages 53, 54, and 55. For ball bearing screws, see page 51.

Control No.	Cat. No.	Description
	730-S	1-7/32" Punch Complete for oil-tight control units
500 5179.2	AV-4400	Punch
500 5180.6	AV-4401	Die
500 4039.1	AV-249	3/4" Screw
	730-M	2-25/32" Punch Complete
500 2445.0	730-101	Punch
500 2443.4	730-100	Die
500 4041.3	AV-304	3/4" Screw
	730-T	3-1/8" Punch Complete
500 6363.4	AV-1798	Punch
500 6362.6	AV-1797	Die
500 6992.6	AV-1433	Nut
500 4188.6	AV-1434	3/4" Screw

No. 731-M 2-inch Square Punch



This punch takes the hard work out of making openings for Micro-Switch® manual control units. Does the job in a fraction of the time previously needed for old-fashioned "drilling, sawing, and filing" methods. Recommended for up to 10-gauge sheet steel, hot-rolled, low carbon. Must be used in conjunction with a Greenlee No. 7646 hydraulic punch driver (page 54).

Hole Size	Control No.	Cat. No.	Description
2" x 2"		731-M	2" Square Punch Complete
	501 8585.3	1-8585	2" square punch
	501 6410.4	1-6410	2" square die
	501 8586.1	1-8586	Die support
	501 8436.9	1-8436	Splined shaft
	500 4048.0	AV-325	Feed nut

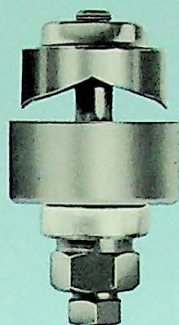
No. 731-S 2-5/8 and 4-1/8" Square Punches



These durable punches make perfect openings for 2-1/2 and 4" square wire troughs. Holes are always clean, accurate, and to the exact size required. Must be used with Greenlee No. 7646 hydraulic punch driver (page 54).

Hole Size	Control No.	Cat. No.	Description
2-5/8 x 2-5/8"		731-S	2-5/8" Square Punch Complete
	501 8433.4		2-5/8" square punch
	501 8434.2		2-5/8" square punch
	501 8435.0		Die support
	501 8436.9		3/4" splined shaft
	500 4048.0		Nut
4-1/8" x 4-1/8"		731-S	4-1/8" Square Punch Complete
	501 8566.7		4-1/8" square punch
	501 8567.5		4-1/8" square die
	501 8570.5		1-1/8" splined shaft
	501 8571.3		Nut

No. 730-P Punch



No. 730-P punch has ball bearing drive for easier, faster hand operation to punch holes 2-5/8" and 3-3/4" for pneumatic panel mounted gauges.

Hole Size	Control No.	Cat. No.	Description
2-5/8"	502 1214.1	730-P	2-5/8" Punch Complete
	500 4252.1		Punch
	500 6997.7		Die
	500 4187.8		Ball Bearing Nut
	500 4188.6		Drive Screw
3-3/4"	502 1216.8	730-P	3-3/4" Punch Complete
	500 5265.9		Punch
	500 5266.7		Die
	500 4187.8		Ball Bearing Nut
	500 4188.6		Drive Screw

No. 730-K Punch

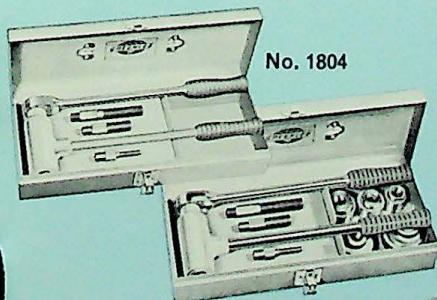
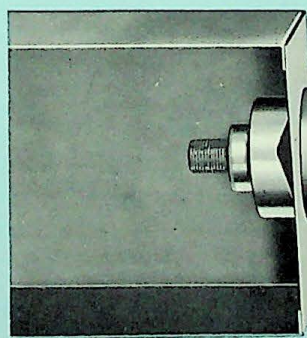


The 730-K punch takes the guesswork out of making a perfect keyway opening for all standard oil tight push button switches. Cuts up to 16 gauge stainless steel and up to 10 gauge carbon steel sheets. Keyways are 3/16" wide and 11/16" from center of a 1-7/32" dia. hole. Keyways are always identical and switches fit perfectly every time.

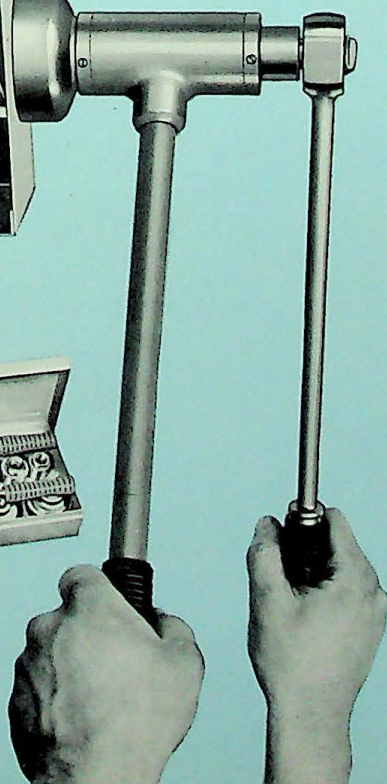
Control No.	Cat. No.	Description
502 0828.4	730-K	3/16" Keyway Punch Complete
502 1140.4		Cutter
502 0829.2		Drive Unit
502 0830.6		Keyway Die
500 4048.0		Thrust Collar Nut

KNOCKOUT PUNCH DRIVERS

Nos. 1804, 1806 Ratchet-Action Punch Drivers For 1/2 Thru 3" Conduit



No. 1806

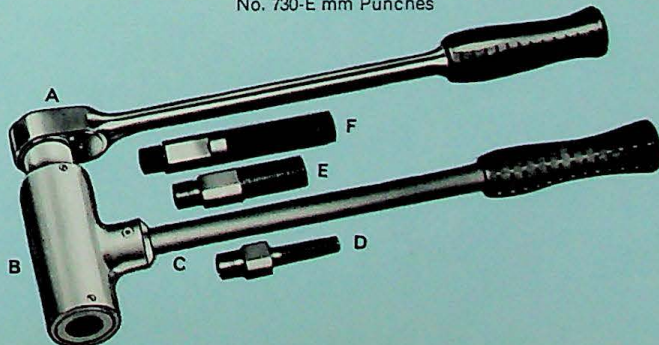


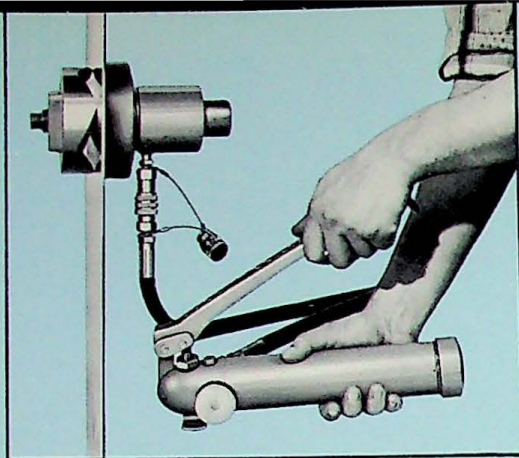
These tools punch holes 8 times faster than wrench method. Driver weighs only 6.5 lb. Fast lead thread in ball bearing head assembly gives easier cutting action with every turn. Handy ratchet handle lets you work in confined areas.

Three easy steps to operate: (1) Screw correct adapter screw into driver body, place required knockout die on adapter screw and insert adapter screw through hole in material being punched. (2) Turn knockout punch onto adapter screw until it contacts the material. (3) Insert ratchet handle into socket on driver body and turn counterclockwise. Hold leverage handle stationary. Driver unit can be operated easily in any position.

Shipped in sturdy steel carrying case for easy transportation. Case includes compartment for storing 2" and smaller knockout punches. Ratchet-action driver is available with or without punches. Uses standard Greenlee punches and dies.

Key	Control No.	Cat. No.	Description
		1804	Ratchet Knockout Punch Driver, without punches and dies. Packed in metal carrying case
		1806	Ratchet Knockout Punch Driver, complete with punches and dies 1/2" thru 2". Packed in metal carrying case
A	502 0495.5		Ratchet Wrench
B	501 2146.6		Ball Bearing Sleeve Unit
C	502 0494.7		Handle
D	501 2097.2	1-2097	3/8" x 2-15/16" Adapter screw for 1/2"
E	501 2098.0	1-2098	3/4" x 3-3/16" Adapter screw for 3/4" thru 1-1/4"
F	501 2099.9	1-2099	3/4" x 4-3/4" Adapter screw for 1-1/2" thru 3"
OPTIONAL			
	501 8276.5	1-8276	1/4" x 2-3/4" Adapter Screw for 1/2", 9/16", 5/8"
			No. 730 Radio Chassis Punches and 15.2 mm
			No. 730-E mm Punches
	501 7828.8	1-7828	3/8" x 3-1/2" Adapter Screw for 15/16" thru 1-1/2"
			No. 730 Radio Chassis Punches and 18.6, 20.4, 22.5
			No. 730-E mm Punches





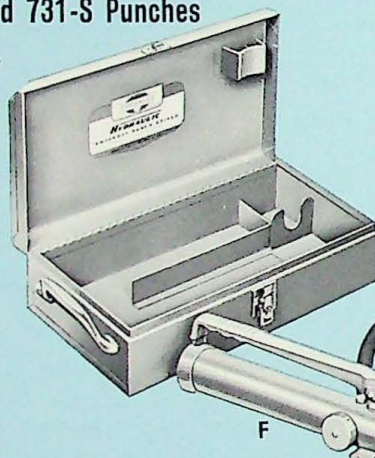
No. 7646 Hydraulic Punch Driver

For all sizes of knockout punches 1/2" thru 5", No. 730 Radio Chassis Punches 1/2" thru 3", and Nos. 730-M, 730-S, 730-T, 731-M and 731-S Punches

One of the greatest time- and work-savers you can put on your jobs. 11-ton ram takes the hard work out of hole punching. Operation is simple, fast, easy. Hydraulic pressure does all the work for you. Simply pump the handle to punch cleanly through metal up to 10-gauge. Quick couplers on pump, hose and ram speed setup.

Cuts holes in tight, cramped corners. Equally efficient with all sizes of Greenlee knockout punches. Weight 20 lb.

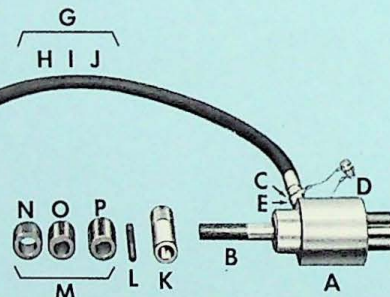
Uses standard Greenlee punches and dies.



Key	Control No.	Catalog No.	Description
		7646	Hydraulic Knockout Punch Driver without punches and dies. Packed in metal carrying case.
A		746	Ram
B	500 3294.1	AA-2113	3/4" Piston shaft
C	905 0259.0	5-0259	1/4" Female coupler
D	905 0314.7	5-0314	Dust plug
E	905 0326.0	5-0326	1/4" Hex nipple
F		767	Hand hydraulic pump
G	501 5627.6	1-5627	1/4" x 3' High pressure hose unit
H	905 0280.9	5-0280	1/4" Male coupler
I	905 0315.5	5-0315	Dust cap
J	905 0386.4	921-GB	1/4" x 3' High pressure hose
K	500 3170.8	AA-1557	Screw sleeve
L	500 3194.5	AA-1614	3/8" Adapter screw
M	501 5908.9	1-5908	Spacer group
N	500 3248.8	AA-1924	Short spacer
O	500 3249.6	AA-1925	Medium spacer
P	500 6904.7	AA-1926	Long spacer

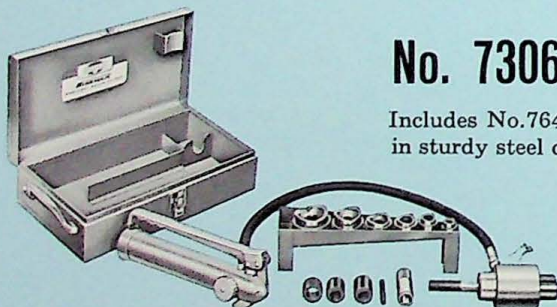
OPTIONAL (not shown)

501 8275.7	1-8275	1/4" x 2-1/4" Adapter Screw for 1/2", 9/16", 5/8" No. 730 Radio Chassis Punches, and 15.2 mm No. 730-E mm Punches
501 8289.7	1-8289	3/8" x 3" Adapter Screw for 15/16" thru 1-1/2" No. 730 Radio Chassis Punches, and 18.6, 20.4, 22.5 No. 730-E mm Punches
502 0483.1		1/4" x 6 ft High-Pressure Hose Unit
905 1688.5	5-1688	1/4" x 6 ft High-pressure hose
905 0280.9	5-0280	1/4" Male coupler
905 0315.5	5-0315	Dust cap



No. 7306 Knockout Punch Driver Set

Includes No. 7646 punch driver and set of six punches for 1/2" thru 2" conduit. Packaged in sturdy steel carrying case. Weight 25 lb.



Catalog No.	Description
7306	Hydraulic Knockout Punch Driver Set with set of six punches for 1/2" thru 2" conduit. Packed in metal carrying case.

No. 7310 Knockout Punch Driver Set

Includes No. 7646 punch driver and set of 10 punches for 1/2" thru 4" conduit. Packaged in sturdy steel carrying case. Weight 50 lb.



Catalog No.	Description
7310	Hydraulic Knockout Punch Driver Set with set of ten punches for 1/2" thru 4" conduit. Packed in metal carrying case.

No. 7304 Set of Four Knockout Punches

Four punches for 2-1/2" thru 4" conduit. Packaged in steel carrying case. Weight 25 lb.



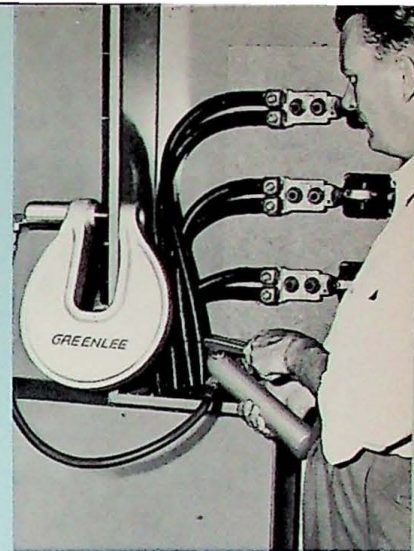
Catalog No.	Description
7304	Set of Four Knockout Punches for 2-1/2", 3", 3-1/2" and 4" conduit. Packed in metal carrying case.

No. 1731 Knockout Punch Driver For 1/2", 3/4", 1" Conduit

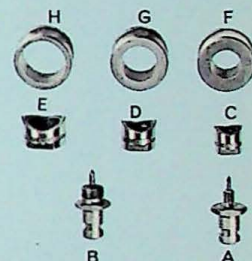
Eliminates predrilling or step-up punching...easy to handle, weighs only 15 lb

Now . . . quickly punch holes for 1/2", 3/4", 1" conduit in a single setup. C-frame, holding die and punch fits around edge of junction box . . . 8" throat lets you position punch exactly where needed. Punch can be used with ram inside or outside of junction box.

Driver uses special Greenlee dies with standard punches which can be changed quickly, easily. Cuts thru 10-gauge metal with a few strokes of hydraulic pump. Spring-return ram permits fast, successive cuts.



Key	Control No.	Cat. No.	Description
		1731	One-Shot Knockout Punch Driver with 1/2", 3/4" and 1" punches and dies. Packed in metal carrying case.
		1731-H-767	Same as 1731 above except with Greenlee No. 767 hydraulic hand pump and hose
		1731-E-915	Same as 1731 above but with Greenlee No. 915-PS hydraulic power pump and hose
	501 5631.4	1-3576	Ram unit
	905 0259.0	5-0259	1/4" Female quick coupler
	905 0314.7	5-0314	Dust plug
	905 0326.0	5-0326	1/4" Hex nipple
A	501 3276.8	1-3276	1/2" Pinch adapter unit
B	501 3277.6	1-3277	3/4" and 1" Punch adapter unit
C	500 4006.5	AV-121	1/2" Punch
D	500 4008.1	AV-123	3/4" Punch
E	500 4010.3	AV-125	1" Punch
F	501 2087.5	1-2087	1/2" Die
G	501 2086.7	1-2086	3/4" Die
H	501 2085.9	1-2085	1" Die
	502 0483.1		OPTIONAL (not shown)
			1/4" x 6 ft High-Pressure Hose Unit
	905 1688.5	5-1688	1/4" x 6 ft High-pressure hose
	905 0280.9	5-0280	1/4" Male coupler
	905 0315.5	5-0315	Dust cap



Greenlee hydraulic hand and power pump groups for use with No. 1731 knockout punch drivers.

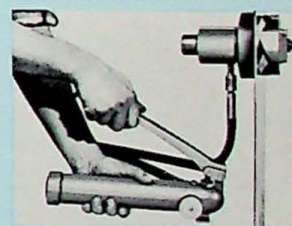
Catalog No.	Description
1731-G2	No. 767 Hand Pump with 501 5627.6 hose unit
1731-G5	No. 915-PS Electric Power Pump with 501 1289.9 hose unit and 905 0807.6 female quick coupler

(Note: Remove 1/4" female quick coupler and reducer bushing in No. 1731 and replace with 3/8" female quick coupler 905 0807.6.)

Here's ideal combination for fast punching of holes up to 5"—Greenlee No. 1731 One-Shot Driver teamed with No. 7646 Hydraulic Knockout Punch Driver



No predrilling. Make first hole in one shot with No. 1731 equipped with 1/2", 3/4", 1" punch and die. Place final size knockout punch on No. 7646 driver. Cut is smooth, accurate. Saves two operations.



Can be powered by same hydraulic hand or power pumps used with Greenlee benders. Ram includes quick coupler for fast connection to pump. High-strength aluminum and steel construction.

No. 1732 Knockout Punch Driver For 1/2" Thru 4" Conduit

Key	Control No.	Cat. No.	Description
		1732	One-Shot Knockout Punch Driver without punches or dies
		1732-H-755	Same as 1732 above except with Greenlee No. 755 hydraulic hand pump and hose
		1732-E-915	Same as 1732 above but with Greenlee No. 915-PS hydraulic power pump and hose
	501 3577.5	1-3577	Ram unit
	905 0807.6	4018-GB	3/8" Female coupler
	501 1791.2	1-1791	1/2" Die adapter with 905 0518.2 screw
	501 1790.4	1-1790	3/4" to 3" Die adapter
	501 1789.0	1-1789	3-1/2" and 4" Die adapter
A	501 3266.0	1-3266	1/2" Punch adapter
B	501 3267.9	1-3267	3/4" to 3" Punch adapter
C	501 3268.7	1-3268	3-1/2" and 4" Punch adapter
D	905 0642.1	2316GB	3/4"-10 Nut

Greenlee hydraulic hand and power pump groups for use with No. 1732 knockout punch drivers.

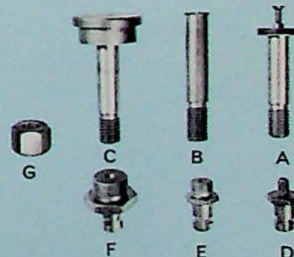
Catalog No.	Description
1732-G1	No. 755 Hand Pump with 501 1289.9 hose unit
1732-G3	No. 915-PS Electric Power Pump with 501 1289.9 hose unit

Save valuable time on your BIG hole-punching jobs

Easily punches large holes for 1/2" thru 4" conduit through metal up to 10 gauge. 8" deep throat. Features high-strength aluminum alloy frame with reinforced cross section for extra rigidity without weight.

1/2" thru 4" punches and dies can be changed quickly, easily. Ram features quick-change coupler for fast connection of standard Greenlee hand or power pumps.

Uses standard Greenlee punches and dies.



CHASSIS PUNCHES FOR RADIO, TV AND ELECTRONIC WORK

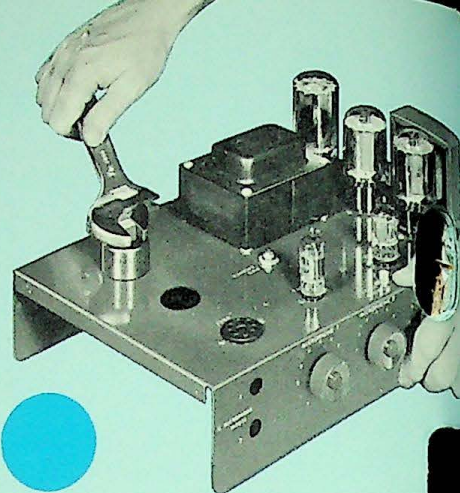
Greenlee chassis punches save hours of tedious drilling, sawing, filing and hand fitting . . . produce clean, true holes in seconds for sockets, controls, meters and other components.

Easy to operate. Simply insert the punch in small drilled hole . . . a few quick turns with a hand wrench does the job. Cuts through up to 16-gauge metal. For faster hand operation, use ball bearing drive described on page 51.

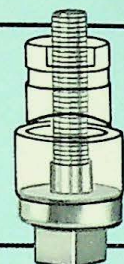
For faster punching with punches 11/16" and larger, use Greenlee No. 7646 Hydraulic Knockout Punch Driver or No. 1804 Ratchet Knockout Punch Driver shown on pages 53 and 54.

No. 730 Round Chassis Punches

Swiftly cut clean, accurate holes in chassis, cabinets, and panels for sockets, plugs, electronic controls, meters, panel lights, etc. Punches cut up to 16-gauge metal with ease. For even faster punching, use Greenlee ratchet-action or hydraulic-powered punch drives—see pages 53 and 54.



For easier hand operation on No. 730 Round Chassis Punches use ball bearing drive screw and nut. Ball bearings soak up friction . . . enable workmen to punch holes faster, with less effort. See page 51 for description.



Hole Size	Control No.	Cat. No.	Description
1/2"	500 6996.9	730	Complete
	500 4235.1	AV-1760	Punch
	500 4218.1	AV-1759	Die
9/16"	500 4230.0	730	Complete
	500 4229.7	AV-1754	Punch
	500 4218.1	AV-1753	Die
5/8"	500 4223.8	730	Complete
	500 4224.6	AV-1742	Punch
	500 4218.1	AV-1743	Die
11/16"	500 4228.9	730	Complete
	500 4227.0	AV-1752	Punch
	500 6976.4	AV-1751	Die
3/4"	500 3998.9	730	Complete
	500 3999.7	AV-113	Punch
	500 6976.4	AV-114	Die
13/16"	500 4226.2	730	Complete
	500 4225.4	AV-1745	Punch
	500 6976.4	AV-1744	Die
7/8"	500 4006.5	730	Complete
	500 4007.3	AV-121	Punch
	500 6976.4	AV-122	Die
15/16"	500 4238.6	730	Complete
	500 4237.8	AV-1762	Punch
	500 3996.2	AV-1761	Die
1"	500 3986.5	730	Complete
	500 3987.3	AV-87	Punch
	500 3996.2	AV-88	Die
1-1/16"	500 4240.8	730	Complete
	500 4242.4	AV-1763	Punch
	500 3996.2	AV-1764	Die
1-1/8"	500 3990.3	730	Complete
	500 3991.1	AV-91	Punch
	500 3996.2	AV-92	Die
1-5/32"	500 3984.9	730	Complete
	500 3985.7	AV-83	Punch
	500 3996.2	AV-84	Die
1-3/16"	500 4000.6	730	Complete
	500 4001.4	AV-115	Punch
	500 3996.2	AV-116	Die
1-1/4"	500 4002.2	730	Complete
	500 4003.0	AV-117	Punch
	500 3996.2	AV-118	Die
1-5/16"	500 6587.4	730	Complete
	500 6586.6	AV-1747	Punch
	500 3996.2	AV-1746	Die

Hole Size	Control No.	Cat. No.	Description
1-3/8"	500 4004.9	730	Complete
	500 4005.7	AV-119	Punch
	500 3996.2	AV-120	Die
1-1/2"	500 3988.1	730	Complete
	500 6970.5	AV-89	Punch
	500 3996.2	AV-90	Die
1-5/8"	500 4251.3	730	Complete
	500 4250.5	AV-1794	Punch
	500 4039.1	AV-1793	Die
1-3/4"	500 4257.2	730	Complete
	500 4256.4	AV-1816	Punch
	500 4039.1	AV-1815	Die
1-7/8"	500 4248.3	730	Complete
	500 4249.1	AV-1791	Punch
	500 4041.3	AV-1792	Die
2"	500 4232.7	730	Complete
	500 4231.9	AV-1756	Punch
	500 4041.3	AV-1755	Die
2-1/8"	500 4245.9	730	Complete
	500 4244.0	AV-1783	Punch
	500 4041.3	AV-1782	Die
2-1/4"	500 4058.8	730	Complete
	500 4059.6	AV-437	Punch
	500 4041.3	AV-438	Die
2-1/2"	500 4234.3	730	Complete
	500 4233.5	AV-1758	Punch
	500 4041.3	AV-1757	Die
2-3/4"	500 4247.5	730	Complete
	500 4246.7	AV-1790	Punch
	500 6992.6	AV-1789	Die
3"	500 4188.6	730	Complete
	500 4259.9	AV-1433	Nut
	500 4188.6	AV-1434	3/4" Screw

No. 730-X Radio Chassis Punch with 3/4" heavy-duty drive screw.

Hole Size	Control No.	Cat. No.	Description
1-1/8"	500 4728.0	730-X	Complete
	500 4729.9	AV-3197	Punch
	500 4039.1	AV-3198	Die
1-3/16"	500 4730.2	730-X	Complete
	500 4731.0	AV-3201	Punch
	500 4039.1	AV-3202	Die

Hole Size	Control No.	Cat. No.	Description
1-1/4"	500 4732.9	730-X	Complete
	500 4733.7	AV-3203	Punch
	500 4039.1	AV-3204	Die
1-3/8"	500 4734.5	730-X	Complete
	500 4735.3	AV-3205	Punch
	500 4039.1	AV-3206	Die
1-1/2"	500 4736.1	730-X	Complete
	500 7044.4	AV-3207	Punch
	500 4039.1	AV-3208	Die
15.2 mm	501 7704.4	730-E	Complete
	501 7706.0	1-7704	Punch
	500 4218.1	1-7706	Die
18.6 mm	501 7700.1	730-E	Complete
	501 7703.6	1-7700	Punch
	500 6976.4	1-7703	Die
20.4 mm	501 7697.8	730-E	Complete
	501 7699.4	1-7697	Punch
	500 6976.4	1-7699	Die
22.5 mm	501 7680.3	730-E	Complete
	501 7683.8	1-7680	Punch
	500 6976.4	1-7683	Die
28.3 mm	501 8327.3	730-E	Complete
	501 8326.5	1-8327	Punch
	500 4039.1	1-8326	Die
30.5 mm	501 8982.0	730-E	Complete
	501 8983.9	1-8982	Punch
	500 3996.3	1-8983	Die
37 mm	501 8331.1	730-E	Complete
	501 8330.3	1-8331	Punch
	500 4039.1	1-8330	Die
47 mm	501 7687.0	730-E	Complete
	501 7689.7	1-7687	Punch
	500 4041.3	1-7689	Die
60 mm	501 7690.0	730-E	Complete
	501 7692.7	1-7690	Punch
	500 4041.3	1-7692	Die
82 mm	501 8905.0	730-E	Complete
	501 8906.9	1-8905	Punch
	500 6992.6	1-8906	Die

No. 730-E-BB Millimeter Punches with ball bearing drive screws

18.6 mm	730E-BB Complete 1-7700 Punch 1-7703 Die 500 4045.6 AV-322BB 3/8" Screw	28.3 mm	730E-BB Complete 1-8327 Punch 1-8326 Die 500 4040.5 AV-249BB 3/4" Screw	47 mm	730E-BB Complete 1-7687 Punch 1-7689 Die 500 4042.1 AV-304BB 3/4" Screw
20.4 mm	730E-BB Complete 1-7697 Punch 1-7699 Die 500 4045.6 AV-322BB 3/8" Screw	30.5 mm	730E-BB Complete 1-9892 Punch 1-9893 Die 500 3997.0 AV-112BB 3/8" Screw	60 mm	730E-BB Complete 1-7690 Punch 1-7692 Die 500 4042.1 AV-304BB 3/4" Screw
22.5 mm	730E-BB Complete 1-7680 Punch 1-7683 Die 500 4045.6 AV-322BB 3/8" Screw	37 mm	730E-BB Complete 1-8331 Punch 1-8330 Die 500 4040.5 AV-249BB 3/4" Screw	82 mm	730E-BB Complete 1-8905 Punch 1-8906 Die 500 4187.8 AV-1433BB Ball Bearing Nut 500 4188.6 AV-1434 3/4" Screw

No. 731 Square Chassis Punch

For cutting square openings in chassis, cabinets, panels. Oblong or rectangular larger openings easily made by overlapping cuts. Operates with ordinary wrench. Five sizes. Cuts through up to 16-gauge metal.

No. 731 Square Chassis Punches



Hole Size	Control No.	Cat. No.	Description
1/2"	500 5246.2 500 5247.0 500 5248.9 500 5244.6	731 AV-4595 AV-4596 AV-4597 AV-4594	Complete Punch Die Screw Nut
5/8"	501 3037.4 501 3036.6 501 3038.2 500 4638.1	731 1-3037 1-3036 1-3038 AV-2929	Complete Punch Die Screw Nut
3/4"	501 3040.4 501 3039.0 501 3031.5 500 4638.1	731 1-3040 1-3039 1-3031 AV-2929	Complete Punch Die Screw Nut
7/8"	500 5557.7 500 5558.5 500 5559.3 500 4638.1	731 AV-5452 AV-5453 AV-5454 AV-2929	Complete Punch Die Screw Nut
1"	501 3042.0 501 3041.2 501 3043.9 500 4638.1	731 1-3042 1-3041 1-3043 AV-2929	Complete Punch Die Screw Nut

No. 731R P & B Relay Socket Punch—Makes clean, accurate, finished holes for Potter & Brumfield relay sockets. Punches neat, identical holes for perfect fit . . . in far less time than required for old methods. Cuts through up to 16-gauge metal.

Two sizes—1.018 x .861" for P&B KHP miniature relay sockets; 1-1/4 x 1-3/8" for P&B KU and KUP relay sockets.

No. 731R Relay Punch



Hole Size	Control No.	Cat. No.	Description
1.018" x .861"	501 5116.9 501 5117.7 501 5118.5 500 4638.1	731-R 1-5116 1-5117 1-5118 AV-2929	Complete Punch Die Screw Nut
1-1/4" x 1-3/8"	501 8856.9 501 8857.7 501 8858.5 500 4638.1	731-R 1-8856 1-8857 1-8858 AV-2929	Complete Punch Die Drive screw Nut

No. 732 "Key" Chassis Punch

Quickly cuts holes for key sockets and other components through up to 16-gauge metal. Ordinary hand wrench supplies the power. Five sizes.



Hole Size	Control No.	Cat. No.	Description
15/32"	500 2458.2 500 2457.4 500 2456.6 500 5244.6	732 732-53 732-52 732-51 AV-4594	Complete Punch Die Screw Nut
15/16"	500 4647.0 500 4646.2 500 4648.9 500 4638.1	732 AV-2973 AV-2972 AV-2974 AV-2929	Complete Punch Die Screw Nut
1-11/64"	500 4761.2 500 4760.4 500 4762.0 500 4638.1	732 AV-3257 AV-3256 AV-3258 AV-2929	Complete Punch Die Screw Nut
1-17/64"	500 4650.0 500 4649.7 500 4651.9 500 4638.1	732 AV-2976 AV-2975 AV-2977 AV-2929	Complete Punch Die Screw Nut
1-21/64"	500 4764.7 500 4763.9 500 4765.5 500 4638.1	732 AV-3263 AV-3262 AV-3264 AV-2929	Complete Punch Die Screw Nut

No. 733 "D" Chassis Punch

For fast easy cutting of "D"-shaped openings for high-frequency miniature tube sockets and equipment. Operates with ordinary hand wrench. Two sizes. Cuts through up to 16-gauge metal.



Hole Size	Control No.	Cat. No.	Description
1/2"	500 4681.0 500 4680.2 500 4682.9 500 4683.7	733 AV-3033 AV-3032 AV-3034 AV-3035	Complete Punch Die Screw Nut
5/8"	500 5136.9 500 5135.0 500 5137.7 500 4683.7	733 AV-4240 AV-4239 AV-4241 AV-3035	Complete Punch Die Screw Nut

Protect your valuable tools against damage, loss, weather, and theft!

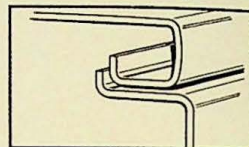
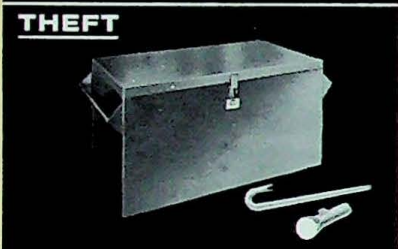
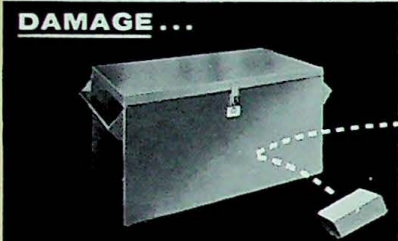
Nos. 663, 664, 665, 667 All-Steel Storage Boxes

Recent surveys show tool losses by contractors of up to 68% annually! Greenlee all-steel storage boxes reduce tool losses . . . and give you a strong, convenient way to transport and keep tools safe and ready for use at jobsites.

Exclusive "rain-shed" lid design seals out the elements, prevents tampering. Interlocking edges on lid and top of storage boxes give positive protection against rain and snow. Turned edges give added rigidity and strength—help prevent injury.

Sturdy lids are attached with heavy-duty hinges and one-piece catches—provide extra protection against tampering or damage in hard use. All storage boxes made of heavy 16-gauge steel—top, bottom, and sides. Painted with heavy rustproof primer coat and durable green enamel finish.

Full-length steel carrying handles allow two men to lift heavy loads . . . make transportation easy. Optional rubber-tired casters add mobility.



No. 665 Toolbox—Our most popular model. Fits perfectly in back of 3/4-ton pickup. Features built-in storage tray for easier access to small tools, blueprints, etc. Big 16 cu ft storage capacity holds plenty of tools. Ideal for storing Greenlee benders Nos. 883, 883-4, 884, 885, and 885-TE. Height 24", depth 24", length 48". Available with rubber-tired casters. Weighs 121 lb without casters.



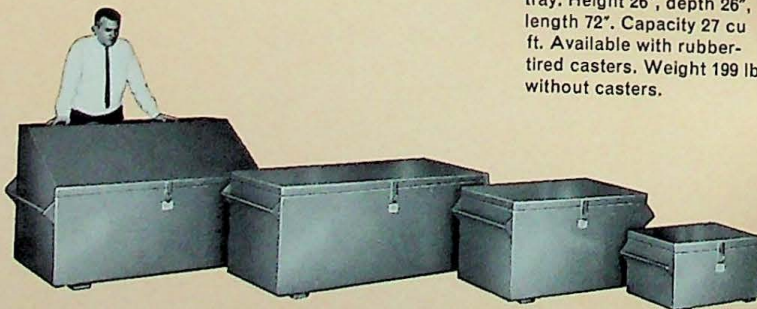
No. 663 Toolbox—Biggest capacity—34 cu ft—in the Greenlee box line. Sturdy lid doubles as handy worktable for studying blueprints, etc. 60-in. wide built-in storage tray. Height: back 36", front 22"; depth 32"; length 60". Available with rubber-tired casters. Weighs 224 lb without casters.



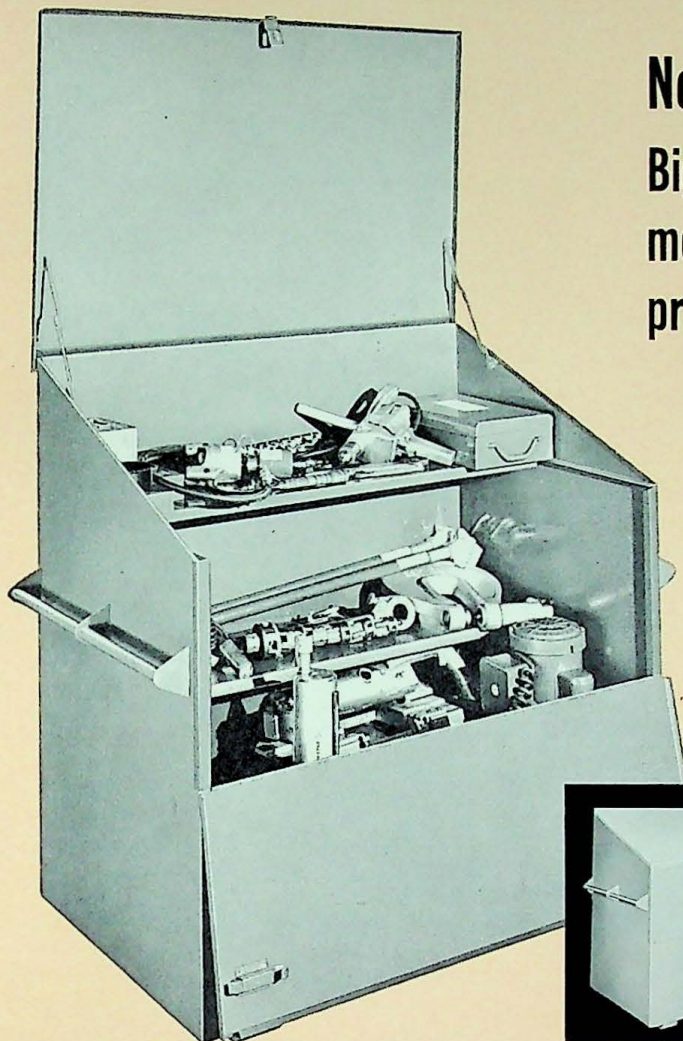
No. 664 Toolbox—Extra length for storage of long tools and equipment. Convenient built-in storage tray. Height 26", depth 26", length 72". Capacity 27 cu ft. Available with rubber-tired casters. Weight 199 lb without casters.



No. 667 Toolbox—Sized for easy portability, ideal "personal" storage box for individual workmen. Will hold small Greenlee benders, impact wrenches, etc. Height 14", depth 18", length 31". Capacity 4-1/2 cu ft. Available with rubber-tired casters. Weight 62 lb without casters.



No. 666 Casters (not shown)—Set of four rubber-tired casters fits all toolboxes shown. Two rigid and two swivel.

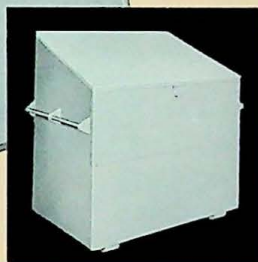


No. 679 "Piano" Box

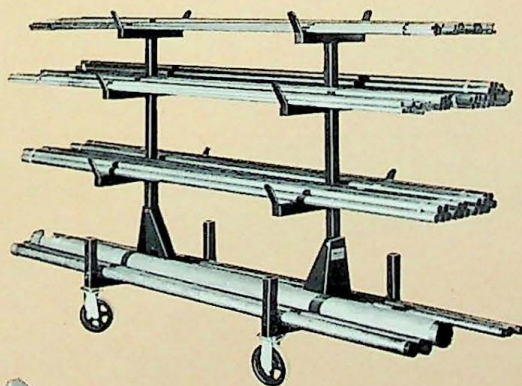
Big 35 cubic foot capacity with the most-wanted features . . . Provides top protection for your valuable equipment.

The No. 679 all-steel storage box features piano-hinged top and front access panels. It has the exclusive Greenlee "over-lap" edge design for maximum protection against weather. Two concealed, heavy-duty latches for locking the front lid, plus a rugged lock hasp that protects your tools against theft.

Heavy, 16-gauge steel construction and full length steel carrying handles for easy transportation. Two shelves are provided for smaller tools. Bottom shelf drops down to permit storing large tools. Ideal for storing Greenlee benders, power pumps, portable band saws, knockout-punches, threaders and many other tools. Height: back 51", front 39", depth 30", length 46.5". Available with rubber-tired casters. Weight 242 lb. without casters.



No. 801 Casters (not shown)—Set of four rubber-tired casters fits Greenlee tool boxes No. 679, 884, and 885. Two rigid and two swivel.

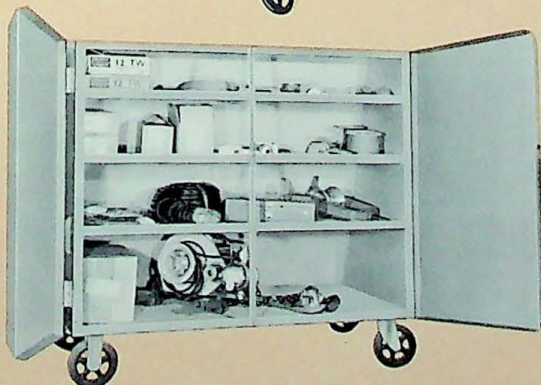


No. 668 Portable Conduit and Pipe Rack

This timesaving movable rack practically eliminates running back and forth to the stockpile for conduit. Load it in shop . . . wheel it onto your truck . . . wheel it off at the jobsite. Or use it for permanent conduit storage in your shop. Or transport it to the jobsite empty . . . then set it up and load it in seconds.

It keeps up to 1000 lb of conduit neatly arranged for easy selection. Tree-type pipe and conduit holders fold down out of the way for easy storage when rack is not in use. Rubber-tired casters. Height 66", width 34", length 56". Weight 171 lb, including casters.

Cat. No.	Description
668	Pipe and Conduit Rack with casters
632	Pipe and Conduit Rack without casters



No. 669 Utility Cabinet

Save steps with this traveling tool crib

Tools and supplies are always close at hand in this portable utility cabinet. Four shelves provide 50 cu ft of storage space. Full-length, solid-steel double doors swing wide for easy access. Heavy-gauge metal sides discourage pilferage. Hinges and clasps are tamperproof.

King-size steel handles and rubber-tired casters provide easy portability even when cabinet is fully loaded. Durable green enamel finish resists rust. Height 56", depth 33", length 66". Weight 178 lb, including casters.

No. 634 Casters (not shown)—Set of four rubber-tired casters (two rigid and two swivel) fits No. 668 portable conduit and pipe rack and No. 669 utility cabinet.

Cat. No.	Description
669	Utility Cabinet with casters
633	Utility Cabinet without casters

HYDRAULIC PIPE PUSHERS

Install pipe under streets, sidewalks, railroad beds, in half the time with these timesaving Greenlee tools

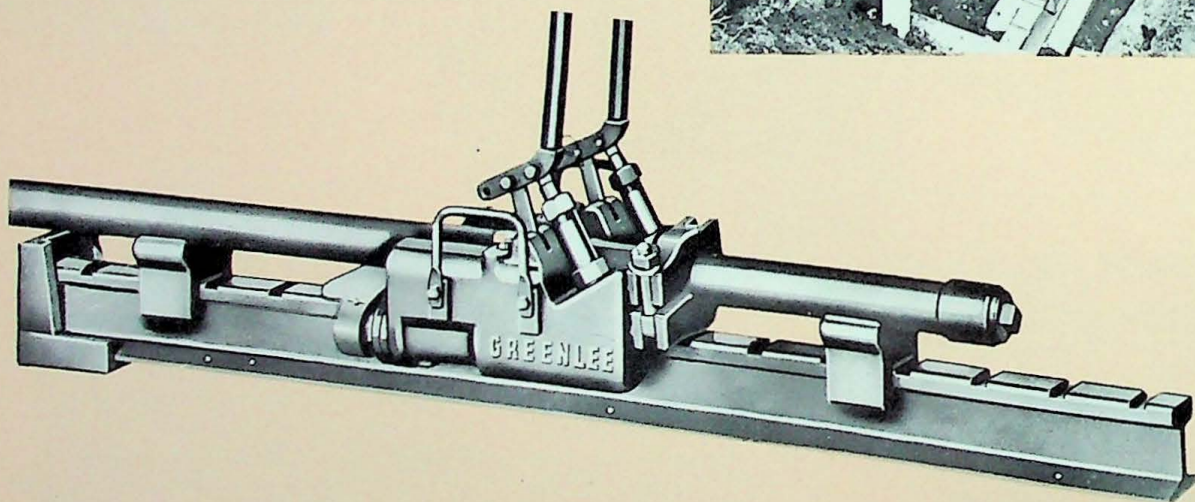
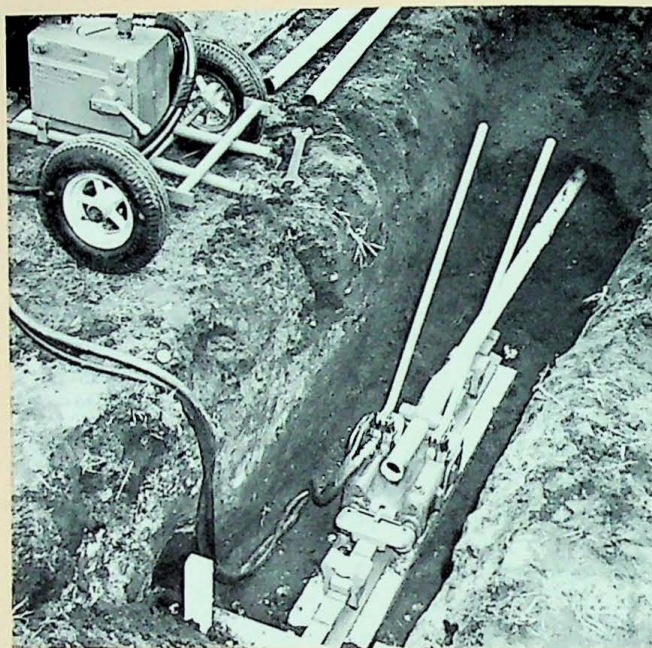
No. 790 Pipe Pusher

20 tons of power for pushing up to 4" diameter pipe

Saves time. Eliminates long ditches, tearing up lawns, breaking through concrete . . . pays for itself in the first few jobs. For use with pipe for gas, water supply and other purposes. Can also be used to pull pipe.

Driven by a Greenlee No. 797 Hydraulic Power Pump,* pusher averages up to 2 ft/min. Six pushing speeds meet all soil conditions. Notched steel base permits 4-ft to 7-ft pushes between clamp changes. Compact design. All working parts fully enclosed. Weighs 140 lb (exclusive of base).

*All accessories for connecting Greenlee pipe pushers to Greenlee power pumps are listed on page 29.



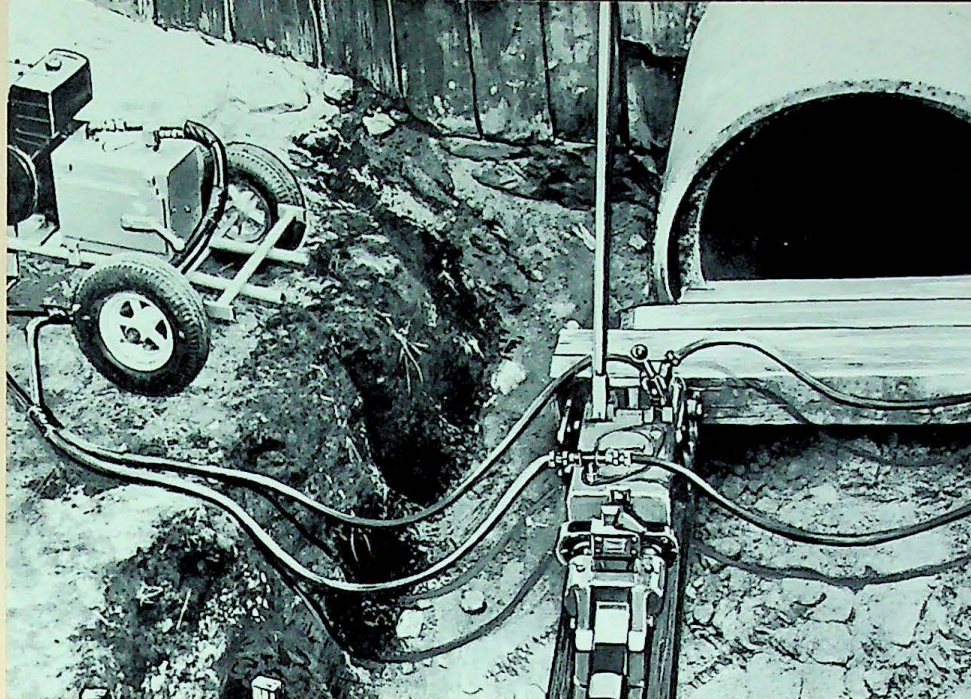
Control No.	Cat. No.	Description
	790	20 Ton Hydraulic Pipe Pusher range 3/4" to 4"—Power Unit only for manual operation. (Select desired base and clamps from list below.)
500 3690.4	ABA-498U	5-1/2 ft. Base Group includes the following three items:
500 3529.0		Backing Plate
500 3530.4		Pipe Supports (2 req.)
500 6323.5		5-1/2 ft. Machined Base only
500 3691.2	ABA-499U	6-1/2 ft. Base Group includes the following three items:
500 3529.0		Backing Plate
500 3530.4		Pipe Supports (2 req.)
500 6324.3		6-1/2 ft. Machined Base only
500 3692.0	ABA-500U	7-1/2 ft. Base Group includes the following three items:
500 3529.0		Backing Plate
500 3530.4		Pipe Supports (2 req.)
500 6325.1		7-1/2 ft. Machined Base only
500 3693.9	ABA-501U	8-1/2 ft. Base Group includes the following three items:
500 3529.0		Backing Plate
500 3530.4		Pipe Supports (2 req.)
500 7201.3		8-1/2 ft. Machined Base only

Pipe Pusher Clamps for No. 790

Control No.	Catalog No.	Pipe Size
501 0086.6	ABA-488U	3/4"
501 0087.4	ABA-489U	1"
501 0088.2	ABA-490U	1-1/4"
501 0089.0	ABA-491U	1-1/2"
501 0090.4	ABA-492U	2"
501 0091.2	ABA-493U	2-1/2"
501 0092.0	ABA-494U	3"
501 0093.9	ABA-495U	3-1/2"
501 0094.7	ABA-496U	4"

OPTIONAL EQUIPMENT

500 3595.9	ABA-302	Base Splice Plate
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Faster Pushing With Portable Power Pump

Speed operation of Nos. 790 and 795 Pipe Pushers with No. 797 G-SA Power Pump with gasoline engine for use at any location. Available with pump mounted on angle iron base (No. 797 G-SA) or with rubber-wheeled undercarriage as shown at left. (See page 27.) Hose accessories for connecting power pump to pushers listed on page 29.

No. 795 Pipe Pusher

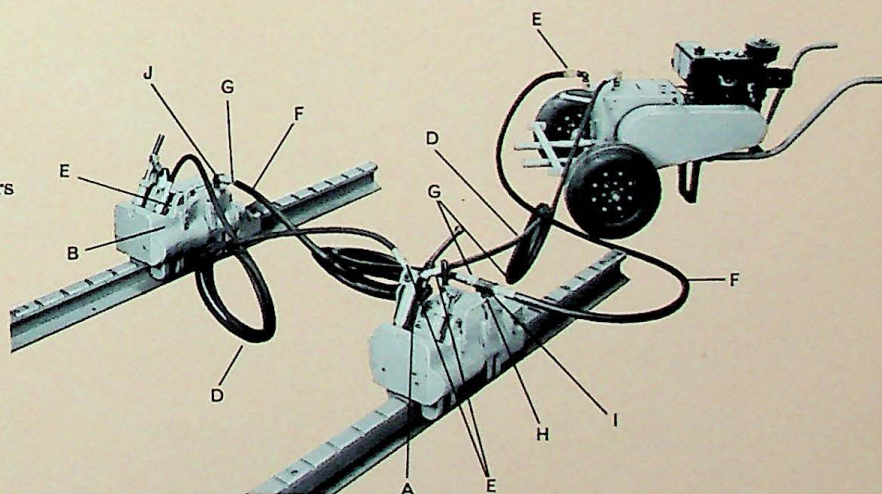
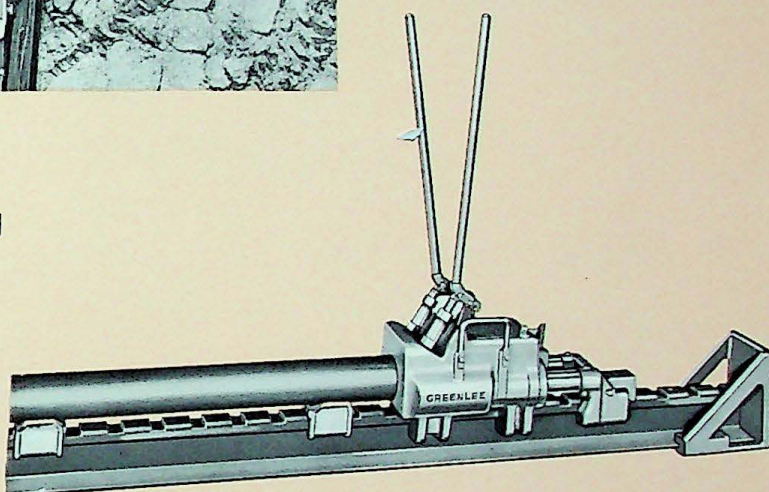
Develops 75 tons of ram pressure for handling large-diameter pipe

Use one of these powerful pushers for pipe and duct up to 18" in diameter . . . or use two as shown for large concrete or corrugated steel ducts. Two units used side by side develop 150 tons of pressure for heavy work.

Operation of No. 790 and No. 795 Pipe Pushers can be speeded with Greenlee No. 797 Power Pump* which is available mounted on angle iron base or with rubber-wheeled undercarriage as shown for easy portability.

Notched steel base furnished in 13-ft length. Splice plates available to make longer lengths.

*All the accessories for connecting Greenlee pipe pushers to power pumps are listed on page 29.



Control No.	Cat. No.	Description
	795	75-Ton Capacity Hydraulic Pipe Pusher, power unit only with handles
501 6928.9	1-6928	13-Ft Base includes following 3 items.
500 3560.6		Backing plate
500 6317.0		13-Ft machined base only
500 3668.8		Pipe support (2 req.)
500 3590.8	ABA-257	Base splice plate

Owners of a Greenlee 795 Pipe Pusher and 797G-SA Power Pump who wish to purchase an additional 795 Power Unit so that they can operate two 795 Units side by side, need to order only the following fittings:

Key	Control No.	Cat. No.	Description
A	501 4591.6	ABA-526	High-pressure 2-way valve for controlling forward movement of the pushers
B	500 6940.3	ABA-457	Cylinder connector
C	500 3671.8	ABA-472	Copper washer (2 req.) (not illustrated)
D	905 0374.0	712-GB	3/8" x 15 ft High-pressure hose
E	502 0573.0	3548-GB	3/8" High-pressure quick coupler (2 req.)
F	905 0348.1	608-GB	3/4" x 15 ft Low-pressure hose
G	905 0732.0	3647-GB	3/4" Low-pressure quick coupler (2 req.)
H	905 0490.9	1626-GB	3/4" Nipple (3 req.)
I	905 0499.2	1698-GB	3/4" Pipe tee

When ordering two 795 Pipe Pushers and one 797G-SA Power Pump for side-by-side operation, the following fittings must also be purchased:

Key	Control No.	Cat. No.	Description
A	501 4591.6	ABA-526	High-pressure 2-way valve for controlling forward movement of the pushers
B	500 6940.3	ABA-457	Cylinder connector
C	500 3671.8	ABA-472	Copper washer (2 req.) (not illustrated)
D	905 0374.0	712-GB	3/8" x 15 ft High-pressure hose (2 req.)
E	502 0573.0	3548-GB	3/8" High-pressure quick coupler (4 req.)
F	905 0348.1	608-GB	3/4" x 15 ft Low-pressure hose (2 req.)
G	905 0732.0	3647-GB	3/4" Low-pressure quick coupler (4 req.)
H	905 0490.9	1626-GB	3/4" Nipple (5 req.)
I	905 0499.2	1698-GB	3/4" Pipe tee
J	905 0473.9	1547-GB	3/4" Street ell (2 req.)

Power Bits, Pipe Bits, Auger Bits, Chisels, Carbide Masonry Drills...

No. 18 Unispur Electricians' Power Bit



A double-twist, smooth-boring power bit used by electricians, plumbers, pipe fitters. Specifically designed for use in electric drills. Single screw point feeds 16 turns to the inch. The heat-treated shank is 1-1/4" long with milled flats 120° apart. One flat has two setscrew holes for use with the Greenlee No. 902 (23/64" socket) and the No. 904 (1/2" socket) Power Bit Extensions and the 902-1 Brace Adapter.

Twist length: 5-1/2" Overall length: 8-1/2"
Shank sizes: 23/64" on sizes 5/8 thru 1";
larger sizes have 1/2" shank
Stock sizes: 5/8, 11/16, 3/4, 13/16, 7/8, 1,
1-1/8, 1-1/4"



No. 28PT Single Twist Power Bit



A smooth, easy-boring bit designed for electric drills. Excellent chip clearance. Medium-feed screw point. One outlining spur and cutting edge. Completely heat-treated, accurately machined shanks. Choice of seven stock sizes for general woodworking.

Twist lengths: 3-3/8 to 4-3/4" Overall lengths: 5 to 7"
Shank size: 23/64". Can be used with Greenlee No.
902 Power Bit Extensions and
No. 902-1 Brace Adapter
Stock sizes: 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



No. 29 Unispur Single Twist Electrician's Bit



New dual-purpose shank fits both electric drills and hand braces. Fast screw point and unispur head design give quick, smooth boring action. Ship auger twist prevents clogging, gives fast chip elevation.

Twist length: 5-1/2" Overall length: 9-1/4"
Stock sizes: 11/16, 3/4, 13/16, 7/8, 1"



No. 33A Zip Bit

A flat wood-boring power bit for use in electric drills. Fits 1/4" and larger three-jaw power chucks. Bores in any wood, any angle, any speed. Features exclusive nonslip hex shank that chucks quickly, accurately. Entire bit heat-treated, tempered for long life. Easily resharpened by filing or grinding.

Available in individual packaging, shown at right; in 6- and 11-piece sets in metal workbench racks; or 6-piece set in plastic roll.

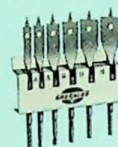
Overall length: 6-1/4"
Stock sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8,
11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/4, 1-3/8, 1-1/2"



No. 33AM-6 ZIP BIT SET

Set of 6 zip bits in metal workbench rack. Sizes clearly marked. Packed in colorful display carton with clear acetate cover.

Bits included: one each 3/8, 1/2, 5/8, 3/4, 7/8, 1"



No. 33AM-11 ZIP BIT SET

Set of 11 zip bits in metal workbench rack. Sizes clearly marked. Packed in colorful display carton with clear acetate cover.

Bits included: One each 3/8, 7/16, 1/2, 9/16, 5/8,
11/16, 3/4, 13/16, 7/8, 15/16, 1"



No. 33AR-6 ZIP BIT SET

Set of 6 zip bits in durable plastic roll with individual transparent pockets.

Bits included: One each 3/8, 1/2, 5/8, 3/4, 7/8, 1"



No. 901 Power Bit Extension for use with Greenlee No. 33 Zip Bits

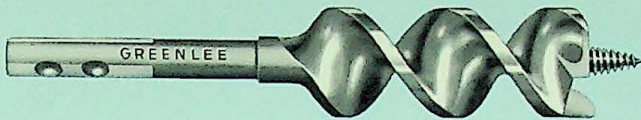


Greenlee 1/4" hex drive power bit extension with nonslip socket for all 1/4" shank electric drill bits. Bit can't slip in extension . . . extension can't slip in drill chuck. Especially suited for Greenlee No. 33 zip bit with hex shank, but can be used with all electric drill bits having 1/4" shank.

Shank size: 1/4" hexagon Head dia: 5/8"
Overall length: 12" Hole size: 1/4" hexagon

and other Greenlee Timesaving Tools

No. 45 Short Unispur Power Bit



Specifically designed for use in electric drills. A fast, smooth, easy-boring power tool needed by pipe fitters, plumbers, and electricians for boring in tight spots in construction and repair work. Heat-treated shank has three milled flats 120° apart. One flat has two setscrew holes for use with the No. 902 (23/64" socket) and the No. 904 (1/2" socket) Power Bit Extensions and the 902-1 Brace Adapter.

Twist length: approximately 3" Overall length: 6"
Shank sizes: 23/64" on sizes 5/8 thru 1";
1/2" on sizes 1-1/8 thru 2-1/2"
Lead: 16-pitch single-thread on sizes 5/8 thru 1-1/2"
20-pitch single-thread on sizes 1-3/4 thru 2-1/2"
Stock sizes: 5/8, 11/16, 3/4, 13/16, 7/8, 1, 1-1/8,
1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/2"



No. 48PT Power Bellhanger Drill



Used for telephone and other wiring installations. High-grade alloy steel heat-treated overall for additional strength—resists damage if metal is encountered during drilling. 3/32" hole about 1/2" from point for convenience in pulling wire. For use in three-jaw chucks 3/8" and larger.

Twist length: 3-3/4"
Overall lengths: 12" in sizes 3/16 thru 1/2"
18" in sizes 3/16 thru 3/4"
24" in sizes 3/16 thru 1/2"
Shank sizes: 11/64" in 3/16" size
15/64" in 1/4" size
17/64" in sizes 5/16, 3/8"
21/64" in sizes 7/16 - 9/16"
3/8" in sizes 5/8 - 3/4"
Stock sizes: 3/16, 1/4, 5/16, 3/8, 7/16, 1/2,
9/16, 5/8, 11/16, 3/4"



No. 53PT Solid-Center Power Car Bit



Solid-center, 8" twist power tool for use in 3/8" and larger three-jaw chucks. Has medium-feed screw point. All shanks have three milled flats. Two outlining spurs and two cutting edges for smooth boring. Completely heat-treated for extra strength. Sizes 11/16 to 1" can be used in Greenlee No. 902 Bit Extensions and No. 902-1 Brace Adapter.

Twist length: 8" Overall lengths: 10 to 10-1/2"
Shank sizes: 1/4" in sizes 3/8 thru 1/2"; 9/32" in
size 9/16"; 5/16" in size 5/8"; 23/64"
in sizes 11/16 thru 1"
Stock sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4,
13/16, 7/8, 15/16, 1"



No. 56PT Solid-Center Power Car Bit



Genuine solid-center construction gives added stiffness and single-spiral twist provides excellent chip elevation. Has two outlining spurs for smooth, easy boring. Medium-pitch screw point. Heat-treated for extra strength. For use in three-jaw chucks 3/8" and larger. Can be used in Greenlee No. 902 Bit Extension.

Twist length: 12" Overall length: Approx 16"
Shank size: 23/64"
Stock sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4,
13/16, 7/8, 15/16, 1"



No. 62PT 8" Twist Ship Auger Power Bit



Suitable for boring in wood for loom, Romex, cable, conduit, tubing, and pipe in construction work. Fast-feed screw point. Single cutter with side lip for rugged use. Nonslip hexagon can be used in power tools having adjustable chucks 1/2" and larger, or 1/2" round socket. Greenlee No. 904 Power Bit Extension. For 12" twist, use Greenlee No. 66PT.

Twist length: 8" Overall length: Approx 18"
Shank size: 7/16" x 3" hexagon
Stock sizes: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



No. 64PT Ship Auger Power Bit



A ship auger car bit with shank for use in 3/8" and larger electric drills. Used by electricians, plumbers, and other craftsmen for deep holes or where extra reach is needed. Medium-feed screw point. Ship auger cutting head with side lip to withstand rough usage. Can be used with Greenlee No. 902 Power Bit Extensions.

Twist length: 12" Overall length: Approx 17"
Shank size: 23/64"
Stock sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16,
7/8, 15/16, 1"



Power Bits

No. 65PT Single-Spur Power Ship Auger



Has an outlining spur for smooth, deep-hole boring. Also features a coarse screw point, one spur, one side lip to give long life. Nonslip hexagon shank fits any three-jaw chuck 1/2" or larger; also fits 1/2" round holes with setscrews. Can be used in No. 904 Bit Extension.

Twist lengths: 12, 18, 24"
Overall length: about 5" longer than twist length
Shank size: 7/16" x 3" hexagon
Stock sizes: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16"



No. 66PT Power Ship Auger, with screw



Standard ship auger with nonslip hexagonal shank for use in 1/2" electric and pneumatic boring units. Positive drive, no slippage, fast-boring screw point. One cutting edge and side lip to withstand rough boring in wood construction. Popular with electricians, pipe fitters, plumbers, and other craftsmen in construction work. Can be used with Greenlee No. 904 Bit Extension.

Twist length: 12"
Overall length: about 4" longer than twist length
Shank sizes: 7/16" x 3" hexagon
Stock sizes: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/4"



No. 87 Power Pipe Bit



Ideal for boring holes in wood for pipe, conduit, and tubing, and for other uses requiring large-size holes. Single fast-feed screw, two cutting edges, two side lips for rough, rugged boring. Hexagon shank for use in power boring with 1/2" chucks. Also can be used in Greenlee No. 904 Bit Extension.

Twist lengths: 7 to 8"
Overall lengths: 14 to 17"
Shank size: 7/16" x 3" hexagon
Stock sizes:
1-1/4" diameter for 3/4" pipe
1-1/2" diameter for 1" pipe
1-3/4" diameter for 1-1/4" pipe
2" diameter for 1-1/2" pipe
2-1/2" diameter for 2" pipe



No. 95M Soil-Fertilizing Auger



Ideal for feeding trees, testing subsoil, planting flower bulbs, etc. Has black japanned finish.

Twist length: 18"
Overall length: 30"
Twist diameter: 2"
Shank diameter: 7/16" hex



No. 97PT Rafting Auger



Sometimes referred to as "boom auger." Double-twist type with flat-cut pattern head. Fitted with large medium-pitch screw. Twist is japanned, edges and half of shaft polished on all sizes. Heat-treated shank has three milled flats.

Twist lengths: 6 to 9-1/2" Overall lengths: 14 to 20"
Shank sizes: 1/2" in sizes 1-1/4 thru 2-1/2";
3/4" in sizes 2-3/4 thru 4"
Stock sizes: 1-1/4, 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4, 3, 3-1/2, 4"



No. 149P Multi-Spur Pipe Bit and No. 1440 Pipe Bit Set

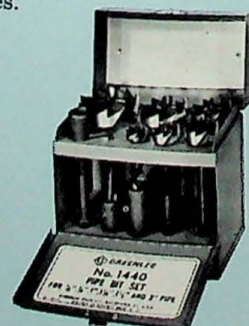
Bits have three milled flats for use in portable electric or pneumatic drills and in stationary boring machines. Medium screw point gives faster, easier boring—feeds bit into wood, reduces boring effort.

No. 1440 set consists of six Greenlee No. 149P smooth-boring multi-spur bits designed especially for boring holes in wood for pipe and conduit. Furnished in sturdy, attractive metal carrying case.

Adapters furnished for using a piece of standard 3/8" pipe as an extension for deeper boring and longer reach. Bits can also be used in No. 904 Extension. Bits also available in individual packages.



Overall length: approx. 5" Shank size: 1/2"
No. 1440 PIPE BIT SET:
149P 7/8" Bit—for 1/2" pipe
149P 1-1/8" Bit—for 3/4" pipe
149P 1-3/8" Bit—for 1" pipe
149P 1-3/4" Bit—for 1-1/4" pipe
149P 2-1/16" Bit—for 1-1/2" pipe
149P 2-9/16" Bit—for 2" pipe
1440C Coupling
1440E Electric Drill Adapter



Power Bits, Power Bit Extensions

No. 159W Single-Spur Impact Wrench Bits



Bore 3/8 to 1-1/16" holes in telephone or power line poles quickly, easily, and safely using impact wrench equipped with Greenlee No. 159W bit. Two sizes fit all impact wrenches with standard 7/16 or 5/8" hex adapters—reduce tool requirements, get jobs done faster, more economically.

NO. 159-W7

Twist Length: 8"
Hexagon Shank: 7/16"
Overall Length: 12"
Size: 3/8", 7/16", 1/2", 9/16", 11/16", 13/16"
Twist Length: 12"
Hexagon Shank: 7/16"
Overall Length: 16"
Size: 9/16", 11/16", 13/16", 15/16", 1-1/16"
Twist Length: 18"
Hexagon Shank: 7/16"
Overall Length: 22"
Size: 9/16", 11/16", 13/16", 15/16", 1-1/16"



NO. 159-W10

Twist Length: 8"
Hexagon Shank: 5/8"
Overall Length: 12"
Size: 3/8", 7/16", 1/2", 9/16", 11/16", 13/16"
Twist Length: 12"
Hexagon Shank: 5/8"
Overall Length: 16"
Size: 9/16", 11/16", 13/16", 15/16", 1-1/16"
Twist Length: 18"
Hexagon Shank: 5/8"
Overall Length: 22"
Size: 9/16", 11/16", 13/16", 15/16", 1-1/16"

No. 930 Masonry Drill



Improved carbide tip, double-flute design for faster, easier drilling in concrete, cinder block, brick, tile. Reduces friction, prevents clogging—drills run cooler with less power.

DRILL SIZE	SHANK DIA	LENGTH OVERALL
3/16"	3/16"	4"
1/4"	1/4"	4"
1/4"	1/4"	6"
5/16"	1/4"	4"
5/16"	1/4"	6"
3/8"	1/4"	4"
3/8"	1/4"	6"
7/16"	1/4"	6"
1/2"	1/4"	6"
1/2"	3/8"	6"
9/16"	1/2"	6"
5/8"	1/2"	6"
11/16"	1/2"	6"
3/4"	1/2"	6"
7/8"	1/2"	6"
1"	1/2"	6"



Nos. 900 and 925 Brace Bit Extensions



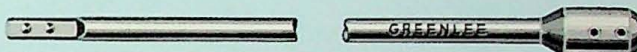
No. 900—Made to follow 5/8" bit and larger. Positive lock insures absolute grip on shank while boring or withdrawing. Use for longer reach on all brace shank bits.

No. 925—Similar to the No. 900, but made extra heavy to follow 13/16" bit and larger.

NOTE: These extensions are for use in a hand brace only and fit all bits with brace shank. For power use, refer to Greenlee Nos. 902 and 904.

Overall lengths: No. 900—18, 24". No. 925—18, 24".

Nos. 902 and 904 Power Bit Extensions



Feature three flats, 120° apart, milled on the shank for positive, nonslip fit in standard three-jaw chucks. One flat has two setscrew holes permitting two or more extensions to be locked together for longer reach. No. 902 holds Greenlee Nos. 18, 28PT, 45, 53PT, 64PT, and other bits with 23/64" shanks. No. 904 holds power bits with 1/2" shanks or 7/16" hexagon shanks.

No. 902

Shank size: 23/64"
Head dia: 21/32"
Overall lengths: 18, 24"
Hole size: 23/64"

No. 904

Shank size: 1/2"
Head dia: 1-1/16"
Overall lengths: 18, 24"
Hole size: 1/2"

No. 515 Nail Puller



For quick, easy removal of nails from wooden boxes and crates. Also saves boxes and lumber for re-use. Impact handle slides on upright claw bar for quick hammer action, which drives claw under nailhead. Claw hook is extended to form leverage foot and guide handle, for fast, safe positioning of claws and maximum pull on the nail. No danger of injury to the hand. Impact handle of high-grade cast iron with steel for added strength. All other parts forged from high-grade carbon steel, carefully heat-treated for long service. Finished in attractive green enamel.

Length closed: 18"

Maximum claw opening: For 16-penny nail

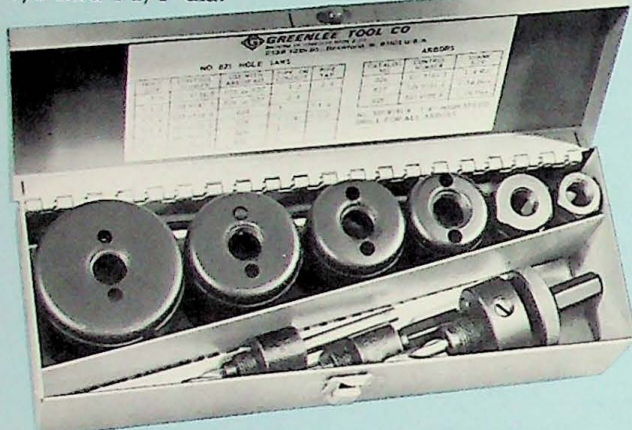
Nos. 825 and 838 Hole Saws with high-speed steel teeth



Cut holes fast in *all* machineable materials. Shatterproof teeth welded to rigid steel body. Extend working range of portable drills, drill presses, and lathes.

No. 825 Hole Saws cut to 1-1/8" depth. Available in 50 sizes, 9/16 thru 6" dia.

No. 838 Deep Cut Hole Saws cut to 1-3/4" depth. 13 sizes, 7/8 thru 4-1/4" dia.



No. 830 Hole Saw Kit—contains the six most popular pipe and conduit sizes—7/8, 1-1/8, 1-3/8, 1-3/4, 2, and 2-1/2" No. 825 hole saws, plus Nos. 826, 827, and 828 arbors. Packed in metal box for convenient storage.



No. 834 Hole Saw Kit—includes 3, 3-5/8, 4-1/8, and 4-1/2" No. 825 hole saws and No. 828 arbor. Packed in metal box.

Hole Saw Arbors (all include 1/4" pilot drill)

No. 826—(Control No. 501 9185.3) 1/4" round shank for 9/16 - 1-3/16" dia hole saws

No. 827—(Control No. 501 9186.1) 7/16" hex shank for 9/16 - 1-3/16" dia hole saws

No. 828—(Control No. 501 9188.8) 7/16" hex shank for 1-1/4 - 6" dia hole saws

No. 829—(Control No. 501 9189.6) 5/8" hex shank for 1-1/4 - 6" dia hole saws

Extra Pilot Drills—(Control No. 501 9191.8) 1/4" high-speed pilot drills for use with hole saw arbors

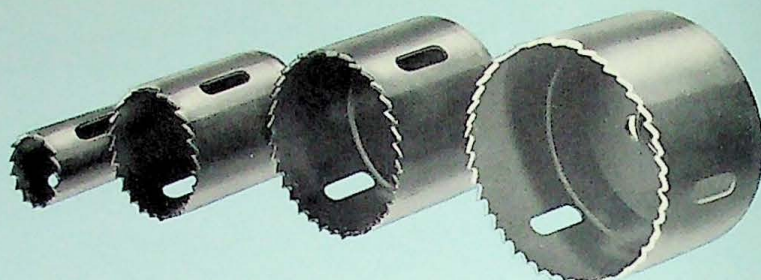
No. 826



No. 827



No. 828



No. 825 Standard Hole Saws

Size	Millimeter Equivalent	Control No.	Use with Arbor No.	Pipe Sizes Pipe Tap Pipe Entrance	For Copper Pipe Size (I.D.)
9/16"	14.3	501-9131.4	Use with Arbor No. 826 or 827		1/8"
5/8"	15.9	501-9132.2			1/4"
11/16"	17.5	501-9133.0			3/8"
3/4"	19.0	501-9134.9	Use with Arbor No. 826 or 827	3/4"	1/2"
13/16"	20.6	501-9135.7		1/2"	5/8"
7/8"	22.2	501-9136.5			
15/16"	23.8	501-9137.3	Use with Arbor No. 826 or 827	1"	3/4"
1"	25.4	501-9138.1		3/4"	3/4"
1-1/16"	27.0	501-9140.3			
1-1/8"	28.6	501-9141.1	Use with Arbor No. 826 or 827		1"
1-3/16"	30.2	501-9143.8		1"	
1-1/4"	31.7	501-9144.6			
1-5/16"	33.3	501-9145.4	Use with Arbor No. 826 or 827		1-1/4"
1-3/8"	34.9	501-9146.2			
1-7/16"	36.5	501-9147.0		1-1/4"	1-1/4"
1-1/2"	38.1	501-9148.9	Use with Arbor No. 826 or 827		
1-9/16"	39.7	501-9149.7		1-1/2"	1-1/2"
1-5/8"	41.3	501-9150.0			
1-11/16"	42.9	501-9151.9	Use with Arbor No. 826 or 827		1-1/2"
1-3/4"	44.4	501-9152.7		2"	2"
1-13/16"	46.0	501-9153.5			
1-7/8"	47.6	501-9154.3	Use with Arbor No. 826 or 827		2"
2"	50.8	501-9155.1		2"	2"
2-1/16"	52.4	501-9157.8			
2-1/8"	54.0	501-9158.6	Use with Arbor No. 826 or 827		
2-1/4"	57.2	501-9159.4		2-1/2"	2-1/2"
2-5/16"	58.7	501-9160.8			
2-3/8"	60.3	501-9161.6	Use with Arbor No. 826 or 827		
2-1/2"	63.5	501-9162.4		3"	
2-9/16"	65.0	501-9163.2			
2-5/8"	66.7	501-9164.0	Use with Arbor No. 826 or 827		3-1/2"
2-3/4"	69.8	501-9165.9		3-1/2"	3-1/2"
2-7/8"	73.0	501-9166.7			
3"	76.2	501-9167.5	Use with Arbor No. 826 or 827		
3-1/8"	79.4	501-9168.3		4"	4"
3-1/4"	82.5	501-9169.1			
3-3/8"	85.7	501-9170.5	Use with Arbor No. 826 or 827		
3-1/2"	88.9	501-9171.3		4"	4"
3-5/8"	92.1	501-9172.1			
3-3/4"	95.2	501-9174.8	Use with Arbor No. 826 or 827		
3-7/8"	98.4	501-9175.6		5"	5"
4"	101.6	501-9176.4			
4-1/8"	104.8	501-9177.2	Use with Arbor No. 826 or 827		
4-1/4"	108.0	501-9178.0			
4-3/8"	111.1	501-9179.9			
4-1/2"	114.3	501-9180.2	Use with Arbor No. 826 or 827		
4-3/4"	120.6	501-9181.0			
5"	127.0	501-9182.9			
5-1/2"	139.7	501-9183.7	Use with Arbor No. 826 or 827		
6"	152.4	501-9184.5			

No. 838 Deep Cut Hole Saws

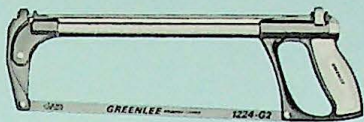
Size	Millimeter Equivalent	Control No.	Use with Arbor No.	Pipe Sizes Pipe Tap Pipe Entrance	For Copper Pipe Size (I.D.)
7/8"	22.2	501-9915.3	Use with Arbor No. 826 or 827	3/4"	5/8"
1"	25.4	501-9916.1		1"	3/4"
1-1/8"	28.6	501-9918.8			
1-1/4"	31.7	501-9919.6	Use with Arbor No. 826 or 827	1-1/4"	1"
1-3/8"	34.9	501-9921.8		1-1/2"	1-1/2"
1-1/2"	38.1	501-9922.6			
1-3/4"	44.4	501-9923.4	Use with Arbor No. 826 or 827	2"	2"
2"	50.8	501-9924.2		2-1/2"	2-1/2"
2-1/4"	57.2	501-9925.0			
2-1/2"	63.5	501-9926.9	Use with Arbor No. 826 or 827		
3"	76.2	501-9927.7		3-1/2"	3-1/2"
3-3/8"	85.7	501-9928.5			
4-1/4"	108.0	501-9929.3	Use with Arbor No. 826 or 827		

Hack Saws and Blades

No. 300 Hack Saw

Non-adjustable—for 12" blades only.

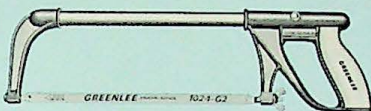
This hack saw gives you positive blade holding and high-tension control. Frame is die-cast with strong hand grip. . . . Cuts sideways, flush with surface. Removable pin permits quick change of blade. 6 extra blades can be stored in backbone for on-the-spot changes. **Supplied with blade.**



No. 305 Hack Saw

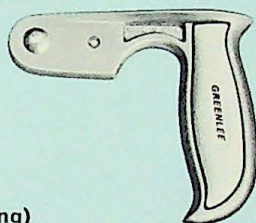
Adjustable—for 10" and 12" blades

Both front grip and handle are die-cast aluminum, provides comfortable two-hand sawing. Tubular top brace gives 2-1/2" engagement in handle, for maximum rigidity . . . minimum blade "twist". **Supplied with blade.**



No. 306 Compass Saw Handle

A comfortable, oversized handle permits two-hand operation to accommodate blade with hook-slot. Saw handle is die-cast aluminum, green oxidized finish. **Supplied without blade.**



Compass Saw Blades (Wood cutting)

Highest quality carbon steel blades designed with hook-slot for use with Greenlee No. 306 Compass Saw Handle.



Cat. No.	Description
310	10", 10 Teeth/Inch
312	12", 8 Teeth/Inch

No. 307 Flex Saw

A compact saw for close-quarter jobs . . . unique clamping feature holds blade firmly at best cutting length. Blade flexes to cut flush to surface . . . Use standard hack saw blades. **Flex Saw comes complete with Greenlee No. 1024-G2 Saw Blade.**



HACK SAW BLADES			
Cat. No.	Description	Cat. No.	Description
STANDARD FLEXIBLE		HIGH SPEED FLEXIBLE	
1018-G2	10", 18 Teeth/Inch	1018-G1	10", 18 Teeth/Inch
1024-G2	10", 24 Teeth/Inch	1024-G1	10", 24 Teeth/Inch
1032-G2	10", 32 Teeth/Inch	1032-G1	10", 32 Teeth/Inch
1218-G2	12", 18 Teeth/Inch	1218-G1	12", 18 Teeth/Inch
1224-G2	12", 24 Teeth/Inch	1224-G1	12", 24 Teeth/Inch
1232-G2	12", 32 Teeth/Inch	1232-G1	12", 32 Teeth/Inch

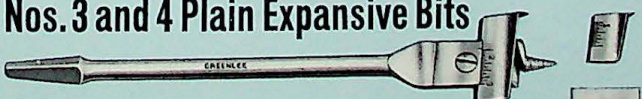
Auger Bits

Nos. 3 and 4 Plain Expansive Bits

Plain type expansive bits for use in brace. Have clamp and screw for locking cutter in place. Wide-open throats for easy clearance of chips. Fully polished. Extra cutter No. 4C available for No. 4 to bore 2-1/2 to 4". Individually packaged. Extra clamps and screws available separately for both No. 3 and No. 4 bits.

Stock sizes:

- No. 3 complete—1/2 to 1-1/2" includes 3A cutter—1/2 to 7/8" and 3B cutter—7/8 to 1-1/2"
- No. 4 complete—7/8 to 3" includes 4A cutter—7/8 to 1-3/4" and 4B cutter—1-3/4 to 3"



Nos. 5 and 6 Setfast Expansive Bits



Have quick-adjusting locking feature, cutter cannot creep. Cutter No. 6C available for No. 6 to bore 2-1/2 to 4". Eight-pitch square thread on cutter and adjusting screw permits rapid setting to size. Fully polished. Packaged individually.

Stock sizes:

- No. 5 complete—5/8 to 1-3/4" includes 5A cutter—5/8 to 1-1/8" and 5B cutter—1-1/8 to 1-3/4"
- No. 6 complete—7/8 to 3" includes 6A cutter—7/8 to 1-3/4" and 6B cutter—1-3/4 to 3"



No. 16 Unispur Electricians' Auger Bit



Fast, smooth-boring, double-twist auger bit for use in a brace. Bores 1" in ten turns. Has long twist, single-cutter head. Ideal for electricians when boring for loom, Romex, cable, and conduit.

Twist length: 5-1/2"

Overall length: Approx 9-1/2"

Stock sizes: 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4"



No. 20 Solid-Center Utility Bit



A quality bit priced for fast turnover. Has double-cutter head with extension lips, medium-pitch screw point. Genuine solid-center pattern, highest quality bit steel, hardened throughout. Suitable for most boring requirements.

Twist lengths: 3-5/8 to 5"

Overall lengths: 7-1/2 to 9-1/2"

Stock sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



5-PIECE UTILITY BIT SET IN PLASTIC ROLL

No. 20R-0 Set of 5 bits: in durable plastic roll with transparent pockets and protective flap.

Bits included: one each 1/4, 3/8, 1/2, 5/8, 3/4".



No. 21 Solid-Center Electricians' Auger Bit



For the electrician who desires a solid-center twist for fast, smooth boring with a brace. Solid center provides full strength for heavy use and positive chip clearance.

Twist length: 5-1/2"

Overall length: Approx 10"

Stock sizes: 11/16, 3/4"



Auger Bits

No. 22 Solid-Center Auger Bit



Highest-quality, solid-center auger bit for general woodworking requirements. Has double-cutter head with extension lips. Medium-pitch screw point. Solid-center pattern adds stiffness and single spiral easily, cleanly elevates chips. Fully polished and rust protected. Finest hardened bit steel . . . precision-machined for smooth boring. Sizes 1/4 thru 1" individually packaged.



Twist lengths: 3-3/8 to 5"

Overall lengths: 7-1/2 to 9-1/2"

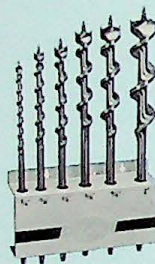
Stock sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-3/8, 1-1/2"

Also in sets shown below.

METAL RACK SET

No. 22M-6 Set of 6 solid-center bits in metal workbench rack. Sizes clearly marked. Packed in colorful display carton with clear acetate cover.

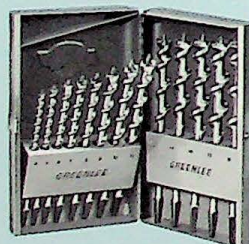
Bits included: 1/4, 3/8, 1/2, 5/8, 3/4, 1"



METAL BOX SET

No. 22M-5 Set of 13 solid-center bits in metal box—mount on bench or hang up. Bit rack swings forward for easy access.

Bits included: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



PLASTIC ROLL SETS

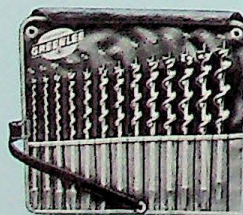
Solid-center bits in durable plastic rolls with individual transparent pockets and protective flannel flaps. Grommets for hanging at workbench.

Set 22R-2: Includes 6 bits—

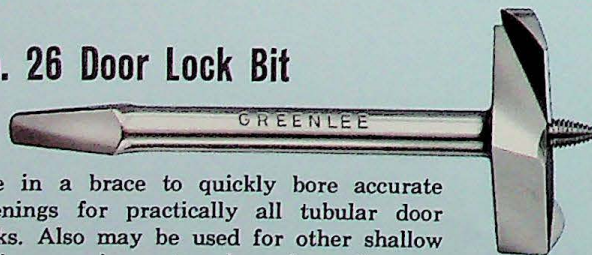
1/4, 3/8, 1/2, 5/8, 3/4, 1"

Set 22R-5: Includes 13 bits—

1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



No. 26 Door Lock Bit



Use in a brace to quickly bore accurate openings for practically all tubular door locks. Also may be used for other shallow boring requirements where large-diameter holes are needed. Single-cutting head, fine lead screw, one outlying spur for smooth boring.

Overall length: 5-1/2"

Stock sizes: 1-7/8, 2, 2-1/8"

No. 42 Solid-Center Dowel Auger Bit



Short solid-center auger bit for use in a brace. Very popular in manual training school work. Has screw point, two outlying spurs for smooth boring in cabinetwork . . . fully polished.

Twist length: 2-1/4"

Overall length: Approx 5"

Stock sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1"



No. 48 Bellhangers' Drill



Used for telephone and other wiring installations. High-grade alloy steel heat-treated overall for additional strength—resists damage if metal is encountered during drilling. 3/32" hole about 1-1/2" from point for convenience in pulling wire.

Twist length: 3-3/4"

Overall lengths:

12" in sizes 3/16 thru 1/2"

18" in sizes 3/16 thru 3/4"

24" in sizes 3/16 thru 1/2"

Stock sizes: 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"



No. 53 Solid-Center Car Bit



Bores smoothly, cuts freely, and bores with a minimum amount of pressure. Two outlying spurs, two extended cutting lips, medium-coarse screw for general-purpose boring. Solid-center design adds greater rigidity and single spiral elevates the chips easily. Fully polished.

Twist length: 8"

Overall length: Approx 12"

Stock sizes (in sixteenths):

1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8,

11/16, 3/4, 13/16, 7/8, 15/16, 1"



No. 56 Solid-Center Car Bit



Provides greater range than an ordinary-length auger bit. Has screw point, two outlying spurs, extension-lip cutting edges for smooth, deep boring. Clears chips easily full length of bit. Fitted with medium-coarse screw. Fully polished. Excellent for general wood work.

Twist length: 12"

Overall lengths: 17 to 18"

Stock sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4"



Auger Bits, Chisels

No. 57 Single-Spur Car Bit



Ideal for boring poles and piling for bridge and dock work, and other heavy construction. Bore a smooth hole and clears the chips very well. Has single screw and medium-feed screw point. Shank for use in a brace. Has outlying spur and side lip for longer service.

Twist length:	Overall length:	Stock sizes:
12"	17"	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16"
18"	23"	9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16"
24"	29"	9/16, 11/16, 13/16, 15/16, 1-1/16"



No. 64 Ship Auger Car Bit



Used by electricians, plumbers, pipe fitters, shipbuilders, and construction workers. Highly recommended for strength, rigidity, easy cutting and free clearance. Single twist, single-cutter head, and side lip, no outlying spurs. Fully polished. For use in hand brace only.

Twist length: 12"	
Overall lengths: 17 to 18". For longer lengths refer to No. 57.	
Stock sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-1/2"	



No. 88 Nut Auger



Double-twist pattern, flat-cut head, medium-coarse screw point. All sizes have japanned twist. Threaded shank end furnished with semifinished hexagon nut.

Twist lengths: 6 to 9-1/2"	
Overall lengths: 14 to 20"	
Stock sizes: 1-1/4, 1-1/2, 1-3/4, 2"	



Nos. 95 Soil-Fertilizing Augers



No. 95 is excellent for boring in soil to feed trees, test subsoil, etc. Supplied with hardwood handle. Ideal for planting tulip, gladiola, and other flower bulbs. Has black japanned finish.

Twist length:	6"
Overall length:	40"
Twist diameter:	2"
Shank diameter:	3/4"



No. 723 Screwdriver Bit



Made of finest grade steel . . . heat-treated to insure long life under severe conditions. Use with brace to drive or remove larger size screws.

Overall lengths: 4-1/2 to 5-1/2"
Blade widths: 1/4, 5/16, 3/8, 1/2"

GREENLEE PREMIUM QUALITY CHISELS AND CHISEL SETS

No. 200 Socket Butt Chisel



Bevel-edged, thin blade of high-carbon tool steel provides tough, long-lasting, fine-cutting edges. Short handle gives perfect balance. Blade and socket one piece for maximum strength, smooth fit with tenon. Three-ply leather-tipped hickory handle. Sold individually or in sets below.

Blade length: 2-3/4" Overall lengths: 9 to 10"
Stock sizes: 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 2"

Greenlee No. 200 chisels are available in these handy sets:

PLASTIC ROLLS

Set No.	Chisels Included
200R-6	6 No. 200: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2"



SET OF 4 IN FIBER BOX

Set No.	Chisels Included
200H-4	4 No. 200: 1/4, 1/2, 3/4, 1"



No. 230 Socket Firmer Chisel



Thin bevel-edged blade of selected high-carbon tool steel guarantees long, dependable service. Blade and socket made in one piece for maximum strength, smooth fit with tenon. Three-ply, leather-tipped hickory handle. Sold individually.

Blade length: 6-1/4" Overall lengths: 13 to 14-1/2"
Stock sizes: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2"

Chisels

No. 265 Socket Framing Chisel



Plain-edged blade with extra-heavy cross section. Long hickory handle fitted with steel ring. Blade, socket, and handle fully polished. Used for heavy framing or as a wrecking tool.

Blade length: 8" Overall lengths: 16 to 17-1/2"
Stock sizes: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2"

No. 290 Socket Slick



Toughened for heavy timber construction. Oval back blade forged from solid high-carbon tool steel. Socket of heavy-gauge seamless tubing, invisibly welded to blade. Blade has polished face, black back. Sturdy maple handle.

Blade length: 10" Handle: 14" Overall length: 30"
Stock size: 3"

Nos. 330 Socket Firmer Gouge



Outside bevel. No. 330 with leather-tipped wood handle.

Sturdy, well-balanced gouge with fine-cutting edges for all types of woodworking. Medium sweep blade of high-grade alloy steel. All metal surfaces fully polished. Handle of selected hickory.

Blade length: 6-1/4" Overall lengths: 13 to 14-1/2"
Stock sizes: 1/4, 3/8, 1/2, 3/4, 1, 1-1/2"

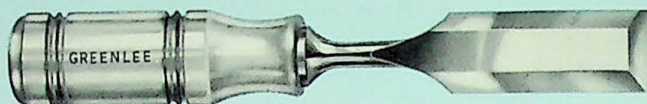
No. 390 Glaziers' Chisel



Features a 5/8" cutting bevel for removing putty, cleaning out sash. Heavy edge used for driving glazing points. Ideal for setting and adjusting plate glass. Made of one solid piece of steel with face, back, and cutting bevel fully polished.

Blade length: 2-3/4"
Overall length: 8"
Stock size: 2"

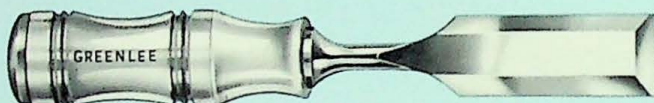
No. 403 Tang Butt Chisel



A correctly balanced chisel with a thin bevel-edged blade of high-carbon tool steel that retains a keen edge over long periods. Blade is carefully tempered for hard usage and polished overall. Attractive handle is shatterproof green Tenite plastic with contrasting yellow band at tang end. Available singly or in sets shown below.

Blade lengths: 2-1/4 to 2-3/4" Overall lengths: 7-5/8 to 8-3/4"
Stock sizes: 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 2"

No. 407 Tang Butt Chisel



Combines the good looks and balance of a shatterproof tough Tenite plastic handle with the extra ruggedness of a solid metal cap over the striking surface. Lightweight, well balanced, with thin bevel-edged blade of high-carbon steel. Carefully heat-treated from cutting edge to handle. Also in sets below.

Blade lengths: 2-1/4 to 2-3/4" Overall lengths: 7-5/8 to 8-3/4"
Stock sizes: 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 2"

Chisel Sets

Greenlee Nos. 403 and 407 Chisels are available in handy, attractive sets: six chisels of assorted sizes in a durable green plastic roll, with transparent pockets and protective flannel flaps . . . four chisels in fancy hardwood case.

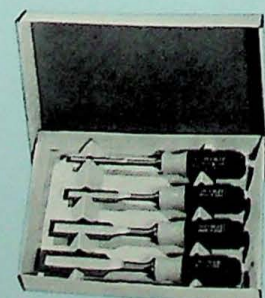
PLASTIC ROLLS

Set No.	Chisels Included
403R-6	6 No. 403: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2"
407R-6	6 No. 407: 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2"



SET OF 4 IN FIBER BOX

Set No.	Chisels Included
403H-4	4 No. 403: 1/4, 1/2, 3/4, 1"
407H-4	4 No. 407: 1/4, 1/2, 3/4, 1"



Chisels, Turning Tools, Drawknives

No. 437 Utility Chisel



A special-purpose Greenlee chisel for use by utility and telephone line workers to cut daps in poles for crossarms. Blade is 2" wide and heat-treated the full length for maximum service. Handle cannot loosen or come off. Tough plastic handle, steel capped, extra long for firm, nonslip grip.

Blade length: 5"
Overall length: 12"
Stock size: 2"

Wood Chisel and Gouge Handles

WOOD HANDLES

Greenlee wood handles are made from selected hardwood carefully turned to special pattern. The caps are three layers of well-tanned leather. Wood and leather are turned to finished size at one time, both thoroughly polished. All wood handles for framing chisels are fitted with polished steel rings.



Chisel Catalog Number	Chisel Size									
	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2	3
200	E	E	E	E	E	F	F	F	F	—
230-330-336	A	A	A	B	B	C	C	C	C	—
265	N	—	N	—	O	P	P	P	Q	—
290	—	—	—	—	—	—	—	—	—	U
403	J	J	J	K	K	K	L	L	L	—
407	JM	JM	JM	KM	KM	KM	LM	LM	LM	—
476	R	—	R	—	R	R	—	R	—	—
576	R	—	R	—	R	R	—	R	—	—
596	—	—	R	—	—	—	—	—	—	—

Explanation of code letters on above chart:
A, B, C, E, F: Leather-Tipped Hardwood Handles.
N, O, P, Q, R, U: All-Wood Handles.
J, K, L: Hard-Wear Green Plastic Handles.
JM, KM, LM: Hard-Wear Green Plastic Handles with metal cap.

Turning Tool Matched Sets

Greenlee professional-type turning tools are available in matched sets of six and eight, packaged in beautiful full-color gift boxes.

Set No. 470-6 contains one each of the following tools:

1/4" Skew Chisel; 1/4" Gouge; 1/2" Round Nose Chisel; 1/2" Skew Chisel; 1/2" Gouge; 1/2" Parting Tool.

Set No. 470-8 contains one each of the following tools:

1/4" Skew Chisel; 1/4" Gouge; 1/2" Round Nose Chisel; 1/2" Skew Chisel; 1/2" Gouge; 3/4" Skew Chisel; 3/4" Gouge; 1/2" Parting Tool.

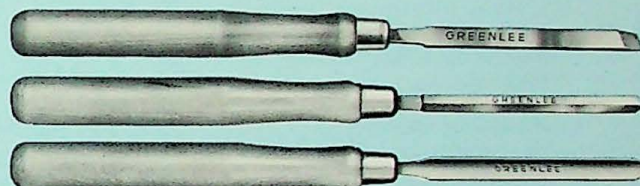


Nos. 476, 576, 596 Turning Tools

Perfectly balanced, professional-type turning tools with 6" blades and 10" handles for wood lathe turning by home craftsmen. Blades made of the finest high-carbon steel, heat-treated to retain sharp abrasion-resistant edges, and finished entire length. Easily resharpened. Polished maple handles reinforced with nickel-plated steel ferrules. Complete selection of styles and sizes to meet wide range of turning requirements from heavy removal to delicate, fine line work.

STOCK SIZES

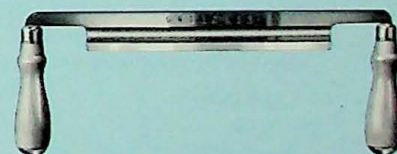
No. 476 Regular Skew Chisel:	No. 476 Square Nose Chisel:	No. 476 Spear Point Chisel:	No. 476 Round Nose Chisel:	No. 576 Turning Gouge:	No. 596 Parting Tool:
1/4, 1/2, 3/4, 1, 1-1/2"	1/4, 1/2, 3/4, 1"	1/4, 1/2"	1/4, 1/2, 3/4, 1"	1/4, 1/2, 3/4, 1, 1-1/2"	1/2"



Nos. 600 and 600J Razor-Blade Drawknife

Conveniently light blade, yet substantially stiff to guarantee years of service. Blade constructed from single solid piece of steel. Hardwood handles. Highly finished, sharpened. No. 600J same as No. 600 except not fully polished.

Blade width: 1-3/8"
Blade length: 8", 10"



No. 625X Extra-Heavy Stripping Knife

Built for severe work. Solid steel blade. Large, full-formed hardwood handles with enlarged ends. Sandblasted with face and cutting bevel polished. Ideal for peeling bark from trees and poles.

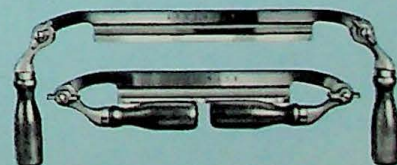
Blade width: 2-1/2"
Blade length: 14"



No. 635 Folding-Handle Drawknife

Lightweight razor-blade pattern. Mahogany-stained handles slotted to fold over blade. Joints locked with wing nuts. Folded size: 3-1/2" wide, 1-1/2" high, 10" long.

Blade width: 1-3/8"
Blade length: 10"



Greenlee Authorized Repair Parts Service Stations

ALABAMA

BIRMINGHAM
Southern Jack Co.
615 N. 9th Street 35203

ARIZONA

PHOENIX
Jack's Incorporated
1909 E. Washington 85034

TUCSON
Kisco, Inc.
3730 S. Dodge Blvd. 85713

ARKANSAS

LITTLE ROCK
Bob Clark Hydraulic Service
2901 Confederate Boulevard 72206

CALIFORNIA

FRESNO
Kimmerle Bros.
2230 Inyo Street 93721

LOS ANGELES
Kimmerle Bros.
2300 S. Hill Street 90007

NATIONAL CITY
A-1 Hydraulic Service
1918 Cleveland Avenue 92050

RUBIDOUX
Custom Hydraulic Service
4190 Riverview Drive 92509

SAN FRANCISCO
Kimmerle Bros.
226 11th Street 94103

SAN JOSE
Precision Mechanical
1075 N. 10th Street 95112

WEST SACRAMENTO
L & G Specialties
524 Houston Street 95691

COLORADO

DENVER
Merrill Hydraulic Specialists
Div. of Merrill Eng. Laboratories
12th and Acoma Streets 80204

CONNECTICUT

MILFORD
J. & S. Hydraulic, Inc.
45 Old Gate Lane 06460

NEW BRITAIN
*Portable Power Tool Repair Co.
471 Arch St. 06051

STAFFORD SPRINGS
John the Jack Man Co.
Route #190 06076

FLORIDA

FT. LAUDERDALE
Broward Hydraulic Jack Service
3811 Davie Blvd. 33312

JACKSONVILLE
Tingen Hydraulic Service
514 South Edgewood Avenue 32205

MIAMI
Miami Equipment Repair Co., Inc.
1927 N. W. 36th Street 33142

PENSACOLA
Hydraulic Services, Inc.
200 E. Main Street 32502

TAMPA
Southern Hydraulic Service, Inc.
15th & Columbus Drive 33605

GEORGIA

ATLANTA
Atlanta Hydraulic Repair Service
1206 Sylvan, S.W. 30310
Turner & Cole
353 W. Peachtree Street N. E. 30308

HAWAII

HONOLULU
Island Machining Service
687 Auahi Street 96813

ILLINOIS

CHICAGO
Chicago Jack Service
7848 S. Hermitage 60620
Servall Engineering Co.
3937 N. Kedzie Avenue 60618

INDIANA

EVANSVILLE
Hydraulic Jack Service
601 N. Fulton Avenue 47710

FORT WAYNE
ABC Specialty Company
1075 Kenwood Avenue 46805

INDIANAPOLIS
Anderson Bros. Tool Repair
809 Earnhart Street 46203

IOWA

DES MOINES
Turner's Hydraulic Service
3011 6th Avenue 50313

KANSAS

TOPEKA
Sutton's Hydraulic Service & Supplies
503 W. Lyman Road 66608

WICHITA
Hydraulic Equipment Co.
148 N. Water Street 67202

KENTUCKY

LOUISVILLE
Queen Products Co.
1226 Rowan Street 40203

LOUISIANA

NEW ORLEANS
Beerman Precision Machine Works
2021 Thalia Street 70150

MARYLAND

BALTIMORE
Holdridge Engineering Co.
1726 Lamont Avenue 21202

MASSACHUSETTS

CAMBRIDGE
New England Hydraulic Service Co.
12 Hurley Street 02141

SPRINGFIELD
Block Hydraulic Jack Service
2570 Main Street 01107

MICHIGAN

BAY CITY
Garwell Hydraulics, Inc.
2663 Bullock Road 48706

DETROIT
Hydraulic Service
2715 5th Street 48201

GRAND RAPIDS
Hydraulic Service Co.
1401 Alpine Ave., N.W. 49504

MINNESOTA

MINNEAPOLIS
Hydraulic Jack & Equipment Service
2601 Aldrich Avenue, South 55408

MISSISSIPPI

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Dixie Hydraulic Service, Inc.
1640 South Gallatin Street 39204

MISSOURI

KANSAS CITY
Hydraulic Service Co.
3739 Woodland Avenue 64116

NORTH KANSAS CITY
Harry L. Nolte Company
1221 Clay Avenue 64116

ST. LOUIS
Arrow Hydraulic Co.
710 S. Newstead Ave. 63110
Equipment Service Co.
3216 Delmar Blvd. 63103

MONTANA

GREAT FALLS
Falls Hydraulic Jack Service
307 Third Avenue South 59401

NEBRASKA

OMAHA
Midwest Hydraulic Tool & Gun Co.
4401 South 87th Street 68127

NEVADA

LAS VEGAS
Dependable Scale & Equip., Inc.
1218 Western Ave. 89102

NEW JERSEY

NEWARK
Metro Hydraulic Jack Co.
52 Elm Street 07105

NEW MEXICO

FARMINGTON
Pierce Hydraulic Service
820 East Main Street 87401

NEW YORK

BUFFALO
Buffalo Hydraulic Jack Service
488 Walden Avenue 14211

JAMAICA
Gemco Garage Equipment Corp.
153-75 Rockaway Blvd. 11434

LONG ISLAND CITY
Beverly Electric Corp.
34-36 31st Street 11106

LYNBROOK
Dependable Repair, Inc.
13 Hendrickson Ave. 11561

N. LINDENHURST
Atlas Hydraulic Co., Inc.
41 Hicks Street 11757

RENSSELAER
Albany Hydr. & Lube Service
Columbia Turnpike, P.O. Box 14 12144

NORTH CAROLINA

GREENSBORO
Carolina Jack Service
2211 South Holden Road 27406

*Electrical and mechanical units only

OHIO**CINCINNATI**

Eureka Tool & Hydraulic Service, Inc.
3818 N. Bend Road (Rear) 45211

CLEVELAND

Ohio Hydraulic Jack Service
3826 Payne Avenue 44114

COLUMBUS

Ohio Hydraulic Service of Columbus
24 North Grubb Street 43215

DAYTON

Fluid Power Systems, Inc.
2075 Springboro Road 45439

TOLEDO

A & I Hydraulic Pneumatic Service
1401 W. Delaware 43606
(Near Monroe & Auburn)

OKLAHOMA**OKLAHOMA CITY**

Hydraulic Equipment Co.
515 S. Broadway 73125

TULSA

Hydraulic Equipment Co.
2423 E. Admiral Blvd. 74110

OREGON**PORTLAND**

Karn Repair Service, Inc.
1215 S. W. 16th Avenue

PENNSYLVANIA**PHILADELPHIA**

Auto Wheel & Rim Co.
2731 E. Castor Avenue 19134

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J & M Hydraulic Service
4063 Liberty Avenue 15224
Tri-State Hydraulic Service
5007 Lytle Street 15207

PUERTO RICO**RIO PIEDRAS**

Coots Hydraulic Service
De Diego St., No. 476 00923

TENNESSEE**CHATTANOOGA**

Hydraulic Jack Service Co., Inc.
1710 Market Street South 37408

KNOXVILLE

Lubrication Equipment Service
315 Dale Avenue, N. W. 37921

MEMPHIS

Alcott Lub. Sales & Service
682 Walnut at Crump 38126

NASHVILLE

Johnson & White Equipment Service
1004 Gallatin Road 37206

TEXAS**DALLAS**

Southwestern Jack Service Co.
3309 Commerce 75226

HOUSTON

Hydraulic Equipment Service Co.
1021 N. San Jacinto Street 77002

LUBBOCK

Hydraulic Equipment Service Co.
408 Avenue H 79402

SAN ANTONIO

Instrument Service Company
905 Ave. B. 78215

UTAH**SALT LAKE CITY**

Gustin Hydraulic Specialists
151 W. Commonwealth 84111

VIRGINIA**ALEXANDRIA**

D & S Repair Service, Inc.
20 So. Dove Street 22314

PORTSMOUTH

Hydraulic Service Company
3104 Victory Blvd. 23702

RICHMOND

Moore Jack & Equipment Service
2406 N. Lombardy Street 23220

WASHINGTON**SEATTLE**

Universal Repair Shop
1611 Boylston Avenue 98122

WEST VIRGINIA**CHARLESTON**

CCC Hydraulic Service
1009 Central Avenue 25302

WISCONSIN**GREEN BAY**

Mac's Hydraulic Parts & Service
525 South Broadway 54303

MILWAUKEE

Hader Industries, Inc.
2100 South Calhoun Road
New Berlin, Wisconsin 53151

WYOMING**CHEYENNE**

Wyoming Hydraulics
R. R. No. 1 Box 239 82001

CANADA**CALGARY 27, ALBERTA**

Northland Air Hydraulics, Ltd.
1322 Hastings Crescent, S. E.

EDMONTON, ALBERTA

Northland Air Hydraulics, Ltd.
6210 88th Street

HAMILTON, ONTARIO

Hydraulic Service Centre
495 Rennie

MONTREAL, QUEBEC

Godfrey Engineering Co., Ltd.
480 Montreal—Toronto Blvd., Lachine
Leger Hoist Equipment
9590 Berri

QUEBEC 2, P. Q.

Talbot, Hunter Engr. & Boiler Works
170, Rue St. Paul Street, P. O. Box 1632

SCARBOROUGH 731, ONT.

Thexton Hydraulic Co.
60 Crockford Blvd.

VANCOUVER, B. C.

Hydraulic Service & Equipment Co., Ltd.
102 E. 2nd Avenue

WINDSOR, ONTARIO

Portable Power Service
3609 Seminole

WINNEPEG, MANITOBA

Applied Hydraulics Company
805 Wall Street

Guarantee

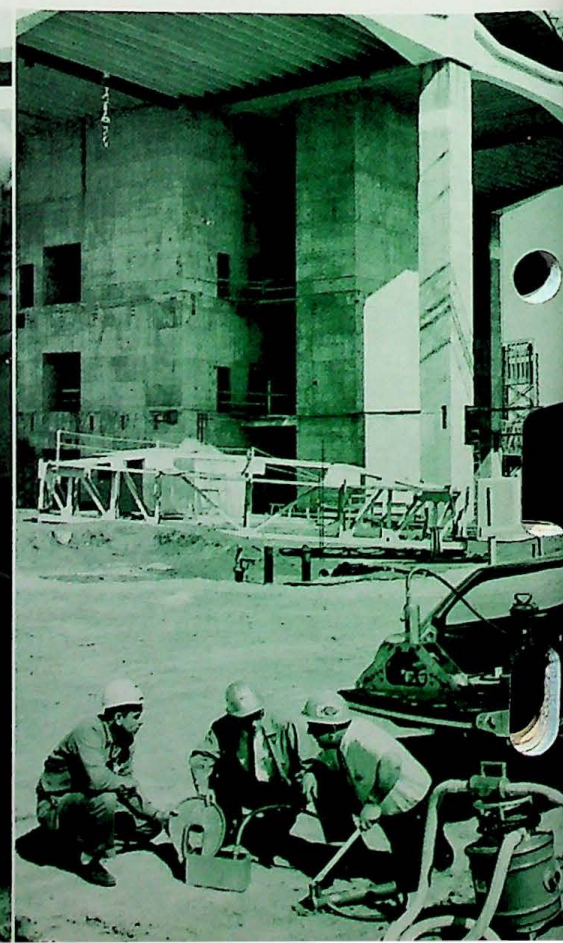
We guarantee every tool bearing the GREENLEE name to be free from imperfections of material or workmanship. Any tools found defective must be returned to the factory for inspection.

Areas served by individual Greenlee factory representatives.

Use key numbers to refer to names and addresses on page 75

UNITED STATES	KEY		KEY		KEY
Alabama.....	14	Massachusetts.....	84	Tennessee.....	
Alaska.....	27	Michigan.....		Chattanooga Area.....	15
Arizona.....	22	Menominee Area.....	6	Knoxville Area.....	16
Arkansas.....	14	Balance of Michigan.....	2	Memphis Area.....	14
Fort Smith Area.....	13	Minnesota.....	1	Balance of Tennessee.....	3
California.....		Missouri.....	12	Texas.....	
Greater L.A. Area.....	21	Mississippi.....	14	Dallas, Ft. Worth Area & Northern Tex.	13
Northern Calif.....	24	Montana.....	26	El Paso Area.....	12
Southern Calif.....	22	Nebraska.....	1	Balance of Texas.....	18
Colorado.....	12	Nevada.....		Utah.....	26
Connecticut.....	84	Las Vegas Area.....	22	Vermont.....	84
Delaware.....	82	Balance of Nevada.....	24	Virginia.....	
Florida.....		New Hampshire.....	84	Arlington Area.....	86
Pensacola and Panama City Area.....	14	New Jersey.....		Balance of Virginia.....	16
Balance of Florida.....	17	Camden Area.....	82	Washington.....	
Georgia.....	15	Balance of New Jersey.....	81	Vancouver and Walla Walla Area.....	26
Hawaii.....	20	New Mexico.....	12	Balance of Washington.....	27
Idaho.....	26	New York State.....		West Virginia.....	5
Illinois.....		Eastern N. Y. State.....	83	Wisconsin.....	
Chicago & Suburbs.....	4	Western N. Y.....	85	Western Wisconsin.....	1
Northern Illinois.....	6	New York City.....	80	Balance of Wisconsin.....	6
Central Illinois.....	6	North Carolina.....	16	Wyoming.....	12
Southern Illinois.....	3	North Dakota.....	1	Washington, D. C.....	86
East St. Louis Area.....	12	Ohio.....		CANADA.....	
Indiana.....		Cincinnati & Dayton Area.....	3	Alberta.....	27
Gary & South Bend Area.....	4	Balance of Ohio.....	5	British Columbia.....	27
Balance of Indiana.....	3	Oklahoma.....	13	Manitoba.....	51
Iowa.....		Oregon.....	26	Ontario.....	
Dubuque & Davenport Area.....	6	Pennsylvania.....		Ottawa & East.....	50
Balance of Iowa.....	1	Philadelphia Area.....	82	Balance of Ontario.....	51
Kansas.....	12	Eastern Penna.....	81	Quebec.....	50
Kentucky.....	3	Central & Western Penna.....	85	Saskatchewan.....	27
Louisiana.....	14	Rhode Island.....	84	The Maritimes.....	50
Maine.....	84	South Carolina.....	16	FOREIGN SALES.....	
Maryland.....	86	South Dakota.....	1	EXPORT MANAGER.....	Gene Seymour

Long Island City Office



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Greenlee makes the world's most complete line of timesaving tools...and shows you how to use them most profitably.

Your Greenlee factory representative, working with the Greenlee distributor, will give you the up-to-date and costsaving ideas you need to streamline your operations and do the right job of tool buying. The Greenlee tool team will show you how to control costs and increase net profits . . . through carefully planned modernization of your tooling. This tool team will bring any Greenlee tool right to your job for a demonstration and instruct your men in the most efficient use of the tools. Greenlee

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Timesaving tools have been our business for more than 60 years.



GREENLEE TOOL CO

2136 12th St., Rockford, Ill. 61101 U.S.A.

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