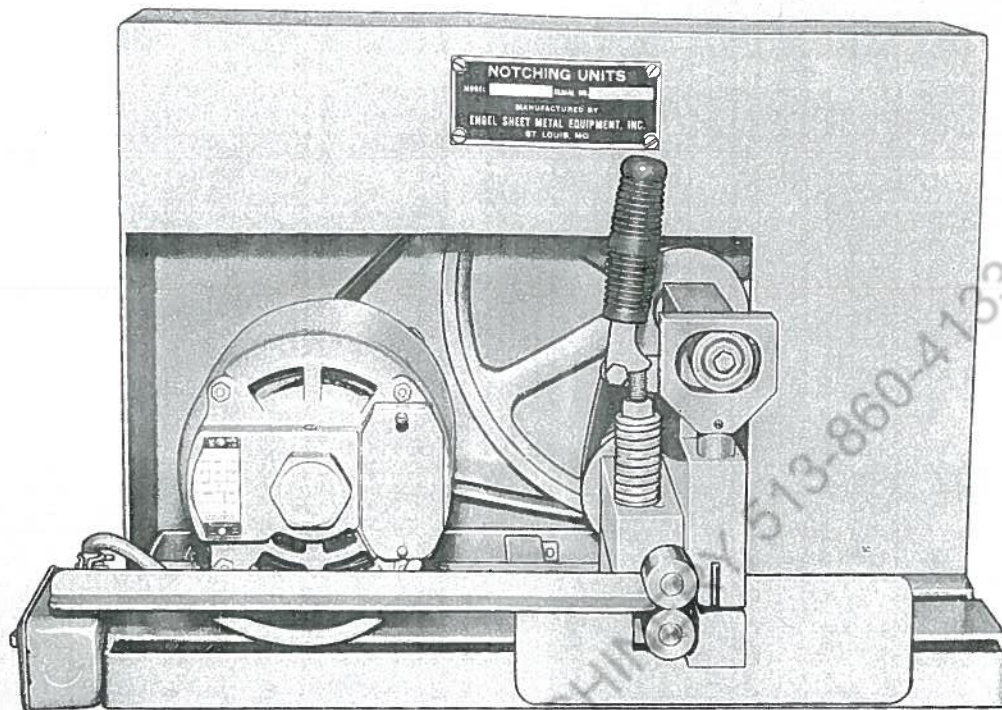




EDGENOTCHER



Progressively cuts dovetail notches on straight or round collar metal edges

Edgenotcher is a valuable addition to any sheet metal shop. It has been designed to edge notch sheet metal quickly, accurately and automatically. Edgenotcher is equipped with power driven feed rolls and a guide assembly for precision in automatically feeding and controlling metal through the notching dies.

- Depth of notches—adjustable from 0" to $\frac{3}{4}$ ".
- Width of notches— $\frac{3}{16}$ ".
- Spacing between notches—adjustable from $\frac{3}{4}$ " to $1\frac{7}{16}$ " apart.
- Capacity—20 gauge mild steel or equivalent.

SPECIFICATIONS:

Electrically power driven with $\frac{1}{8}$ H.P. motor (110 volt, single phase, 60 cycle A. C.).

Speed:

Variable—minimum speed 18 feet per minute.

Over-all dimensions:

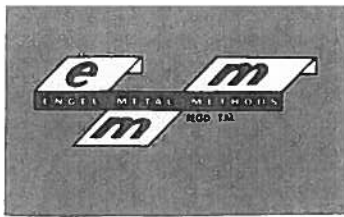
23 inches long, $14\frac{1}{2}$ inches high, 12 inches deep.

Approximate shipping weight:

85 lbs.

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EEN-562

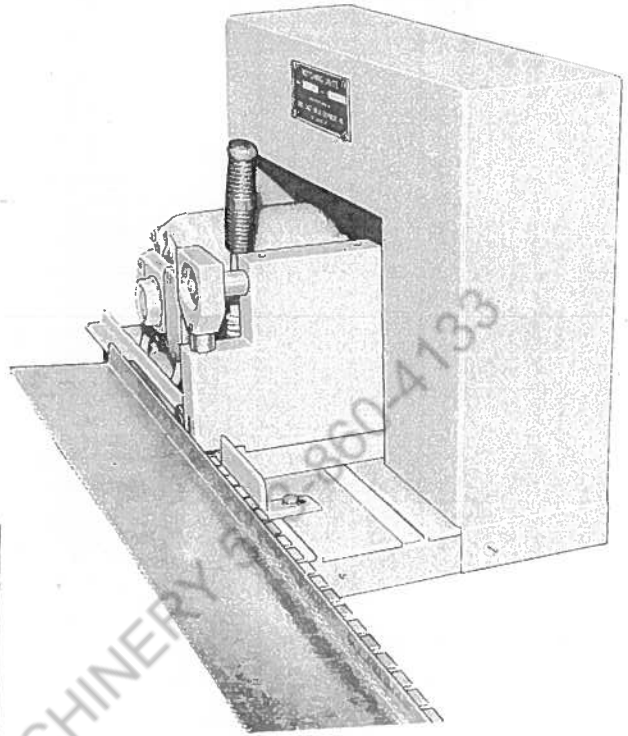


EDGENOTCHER

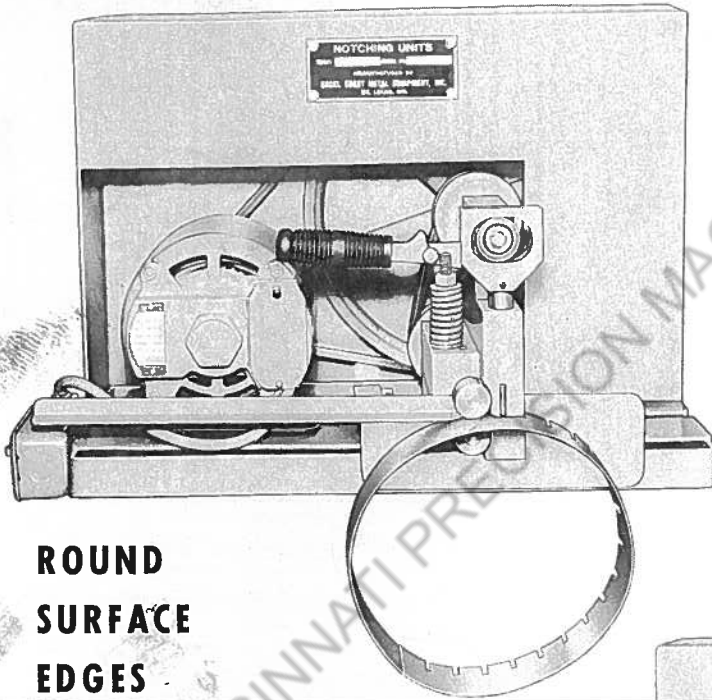
APPLICATIONS

ENGEL EDGENOTCHER

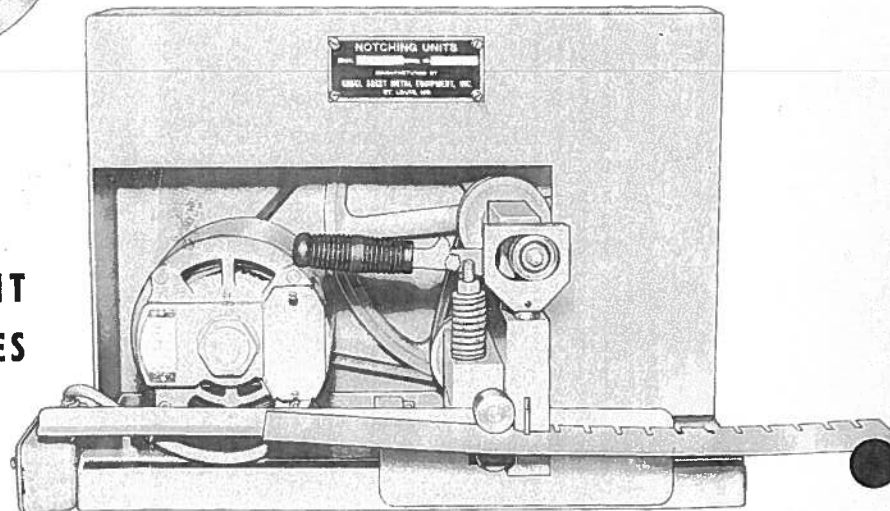
- COMPLETELY AUTOMATIC
- ACCURATE
- FAST OPERATION



FORMED EDGES



**ROUND
SURFACE
EDGES**



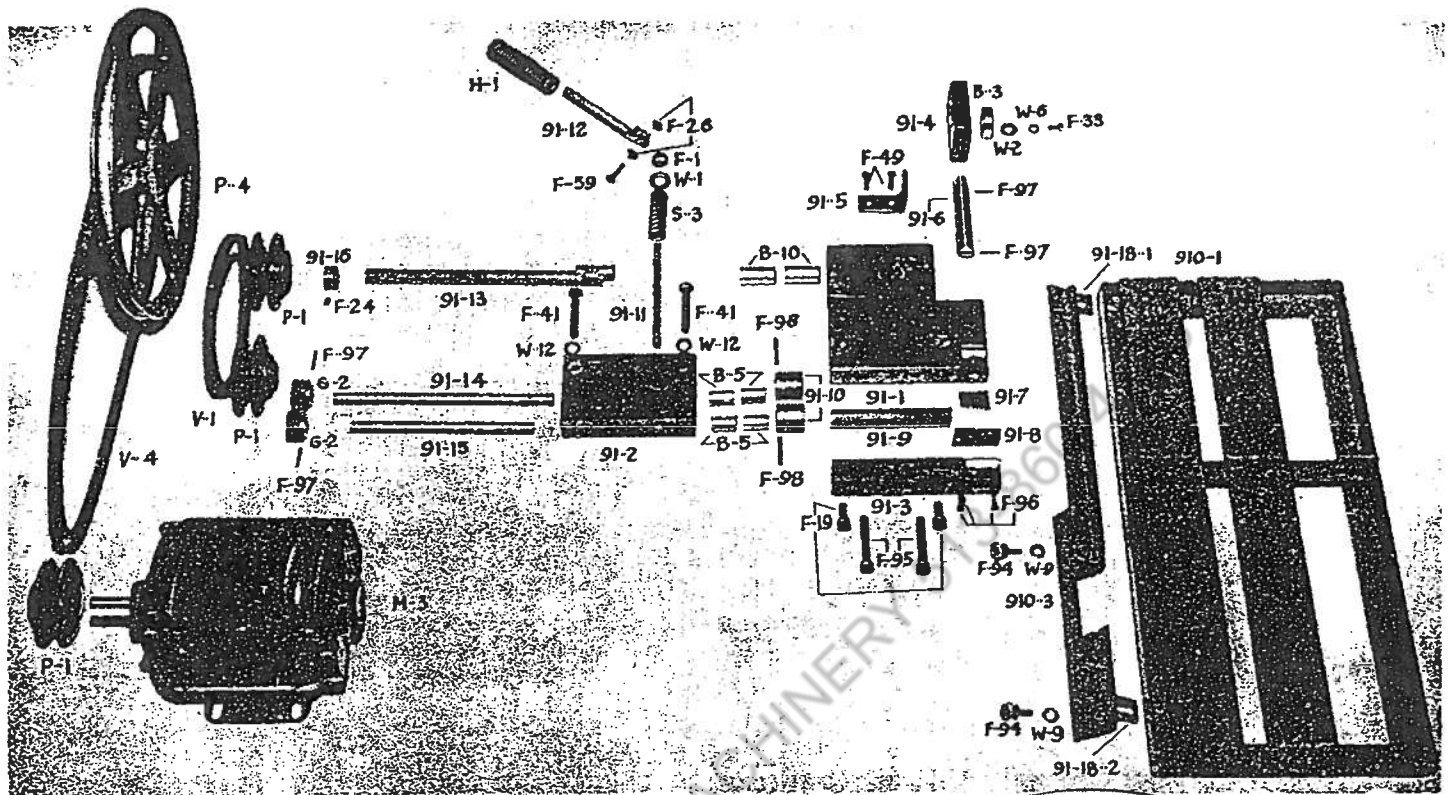
**STRAIGHT
EDGES**

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ENGEL SHEET METAL EQUIPMENT, Inc.



EDGENOTCHER PARTS LIST - MODEL 750

Part No.	Qty. Per Unit	DESCRIPTION	Part No.	Qty. Per Unit	DESCRIPTION
91-1	1	Punch Guide Block	F-41	2	3/8 x 2-1/4 Hex. Hd. Cap Screw
91-2	1	Drive Roll Bearing Block	F-49	2	1/4 x 3/4 Rd. Hd. Screw
91-3	1	Die Support	F-59	1	1/4 x 1 Rd. Hd. Screw
91-4	1	Bearing Yoke	F-94	2	1/4 x 3/4 Thumb Screw
91-5	1	Release Arm Bracket	F-95	2	3/8 x 2 Socket Hd. Screw
91-6	1	Punch Holder	F-96	3	#10 - 32 x 1 Socket Hd. Screws
91-7	1	Punch	F-97	4	1/8 x 7/8 Spring Pin
91-8	1	Die Plate	F-98	2	3/16 x 1 Spring Pin
91-9	1	Spacer			
91-10	2	Feed Roll	W-1	1	3/8 Washer
91-11	1	Spring Stud	W-2	1	5/16 Washer
91-12	1	Release Arm	W-6	1	1/4 Spring Washer
91-13	1	Eccentric Shaft	W-9	2	5/16 Washer
91-14	1	Upper Drive Shaft	W-12	2	3/8 Spring Washer
91-15	1	Lower Drive Shaft			
91-16	1	Collar			
91-17-1	1	Shim (Not Shown)	B-3	1	BEARINGS
91-17-2	1	Shim (Not Shown)	B-5	4	#1623 DS Ball Bearing
91-18-1	1	Front Bracket	B-10	2	1/2 I.D. Sintered Bronze Bearing
91-18-2	1	Rear Bracket			5/8 I.D. Sintered Bronze Bearing
910-1	1	Base Assembly			
910-2	1	Guard Assembly (Not Shown)			
910-3	1	Gauge Assembly			
		FASTENERS			
F-1	1	3/8 Hex Nut	G-2	2	MISCELLANEOUS
F-19	2	3/8 x 3/4 Socket Hd. Screw	H-1	1	Spur Gear
F-24	1	1/4 x 5/16 Cup Point Set Screw	M-3	1	Handle Grip
F-26	2	1/4 Square Nuts			1/3 H.P. Motor, Single phase
F-33	1	1/4 x 1/2 Hex. Hd. Cap Screw	P-1	3	110 VAC, 60 cycle, 1725 rpm
			P-4	1	Adjustable Pulley
			S-3	1	12" Pulley
			V-1	1	Square Wire Spring
			V-4	1	#4L180 "V" Belt
					#41450 "V" Belt

INSTRUCTIONS

To progressively notch along the edge of straight flat pieces of metal or along the edge of straight flat pieces of metal adjacent to a standing seam: (1) Start the notching unit in operation by turning on the electric switch. (2) Place the edge to be notched on the right angular feeder guide and gauge bar and against the horizontal side of this bar. (3) Slide the piece to be notched toward and into the power driven feeder rolls. (4) Allow the feeder rolls to propel or feed the piece into the actuated notching die automatically.

To progressively notch along the edge of a round surface edge such as a round pipe or round collar edge: (1) Elevate the punch piston by turning the large drive pulley by hand until this punch is in the "up" position. (2) Open up the clearance between the feeder rolls by moving the lever with a rubber handle to the right. (3) Insert the edge to be notched under the gauge and guide bars (the one on the left and the one on the right of the notching die), and between the opening between the feeder rolls, and into the notching die. (A round pipe or collar automatically rotates clockwise in notching and must be inserted in the manner explained so that notching will be started to the left of a seam on joined pieces.) (4) Start the notching unit in operation by turning on the electric switch. (5) Allow the feeder rolls to propel or feed the piece into the actuated notching die automatically.

The notching depth range, within three quarters of an inch ($3/4''$), is controlled by adjusting or positioning the gauge assembly.

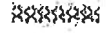
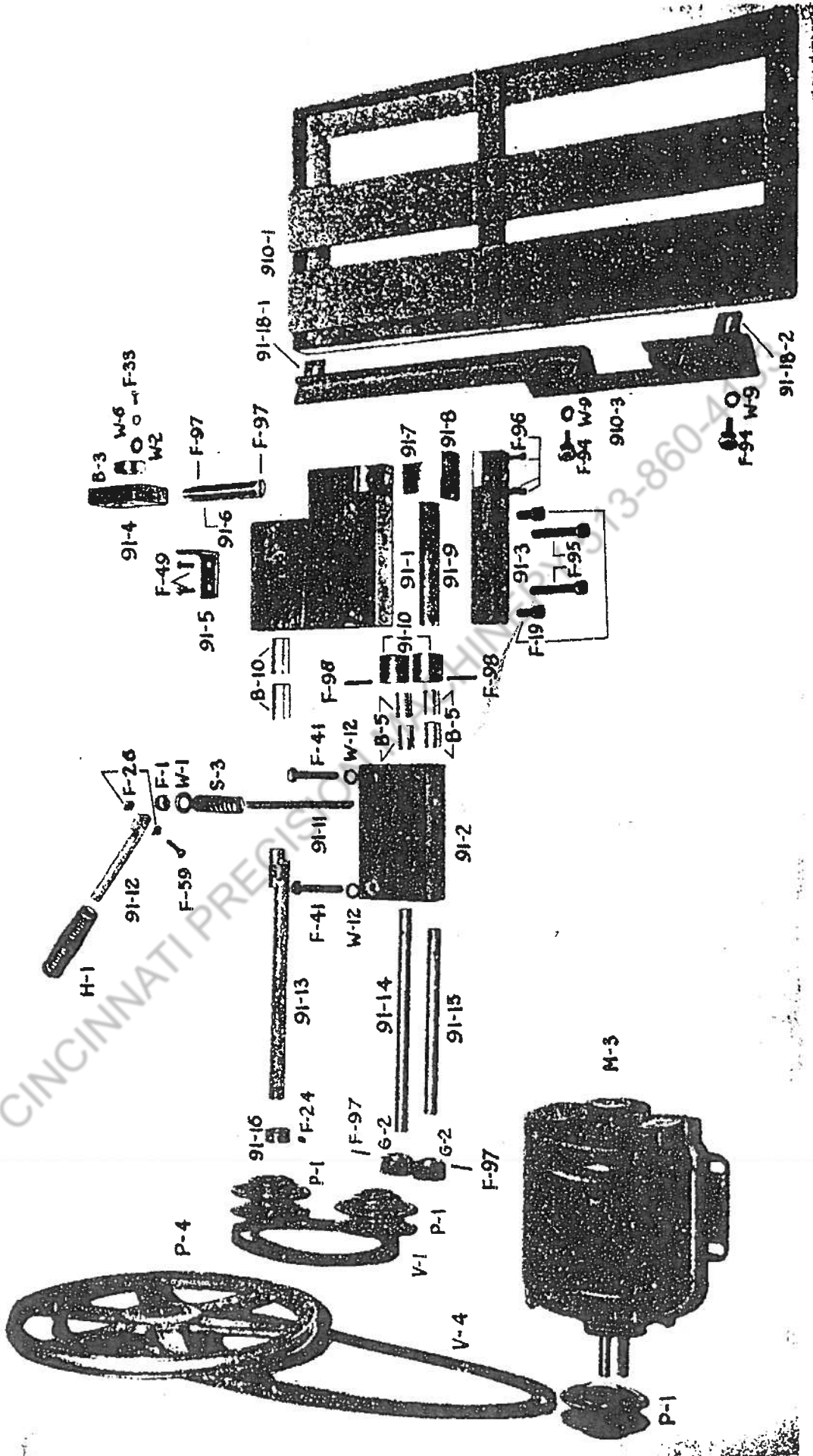
The speed in which a piece can be passed through the EDGENOTCHER unit, within the designed range of speed of this tool, is controlled by the variable speed pulley on the motor shaft. An increase in the pitch diameter (P.D.) of this pulley increases the speed. A reduction in the pitch diameter (P.D.) of this pulley decreases the speed. On heavier gauge metals, the speed should be relatively reduced.

Spacing between notches, within a minimum dimension of $3/4''$ and a maximum of $1\ 7/16''$, is controlled by, first, adjusting the P.D. of the variable speed pulley on the shaft of the upper feeder roll, and, secondly, by adjusting the P.D. of the variable speed pulley on the shaft which operates the eccentric action of the punch piston for "V" belt tightness. This latter pulley is the drive pulley for the feeder roll pulley. To increase the spacing between notches, increase the P.D. of this feeder roll pulley. To reduce the spacing between notches, reduce the P.D. of the feeder roll pulley.

Use a light grade of lubricating oil (S.A.E. 20) in all oil holes provided in this tool.

ENGEL SHEET METAL EQUIPMENT, INC.

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EDGENOTCHER PARTS LIST - MODEL 750

Part No.	DESCRIPTION	Part No.	Qty. Per Unit	DESCRIPTION	Part No.	Qty. Per Unit	DESCRIPTION
91-1	Punch Guide Block	F-41	1	Punch Guide Block	F-41	2	3/8 x 2-1/4 Hex. Hd. Cap Screw
91-2	Drive Roll Bearing Block	F-49	1	Drive Roll Bearing Block	F-49	2	1/4 x 3/4 Rd. Hd. Screw
91-3	Die Support	F-59	1	Die Support	F-59	1	1/4 x 1 Rd. Hd. Screw
91-4	Bearing Yoke	F-94	1	Bearing Yoke	F-94	2	1/4 x 3/4 Thumb Screw
91-5	Release Arm Bracket	F-95	1	Release Arm Bracket	F-95	2	3/8 x 2 Socket Hd. Screw
91-6	Punch Holder	F-96	1	Punch Holder	F-96	3	#10 - 32 x 1 Socket Hd. Screws
91-7	Punch	F-97	1	Punch	F-97	4	1/8 x 7/8 Spring Pin
91-8	Die Plate	F-98	1	Die Plate	F-98	2	3/16 x 1 Spring Pin
91-9	Spacer		1	Spacer			
91-10	Feed Roll	W-1	2	Feed Roll	W-1	1	3/8 Washer
91-11	Spring Stud	W-2	1	Spring Stud	W-2	1	5/16 Washer
91-12	Release Arm	W-6	1	Release Arm	W-6	1	1/4 Spring Washer
91-13	Eccentric Shaft	W-9	1	Eccentric Shaft	W-9	2	5/16 Washer
91-14	Upper Drive Shaft	W-12	1	Upper Drive Shaft	W-12	2	3/8 Spring Washer
91-15	Lower Drive Shaft		1	Lower Drive Shaft			
91-16	Collar		1	Collar			
91-17-1	Shlm (Not Shown)	B-3	1	Shlm (Not Shown)	B-3	1	BEARINGS
91-17-2	Shlm (Not Shown)	B-5	1	Shlm (Not Shown)	B-5	4	#1623 DS Ball Bearing
91-18-1	Front Bracket	B-10	1	Front Bracket	B-10	2	1/2 I.D. Sintered Bronze Bearing
91-18-2	Rear Bracket		1	Rear Bracket			5/8 I.D. Sintered Bronze Bearing
910-1	Base Assembly	G-2	1	Base Assembly	G-2	2	MISCELLANEOUS
910-2	Guard Assembly (Not Shown)	H-1	1	Guard Assembly (Not Shown)	H-1	1	Spur Gear
910-3	Gauge Assembly	M-3	1	Gauge Assembly	M-3	1	Handle Grip
	FASTENERS						1/3 H.P. Motor, Single phase
F-1	3/8 Hex Nut	P-1	1	3/8 Hex Nut	P-1	3	110 VAC, 60 cycle, 1725 rpm
F-19	3/8 x 3/4 Socket Hd. Screw	P-4	2	3/8 x 3/4 Socket Hd. Screw	P-4	1	Adjustable Pulley
F-24	1/4 x 5/16 Cup Point Set Screw	S-3	1	1/4 x 5/16 Cup Point Set Screw	S-3	1	12" Pulley
F-26	1/4 Square Nuts	V-1	2	1/4 Square Nuts	V-1	1	Square Wire Spring
F-33	1/4 x 1/2 Hex. Hd. Cap Screw	V-4	1	1/4 x 1/2 Hex. Hd. Cap Screw	V-4	1	#4L180 "V" Belt
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