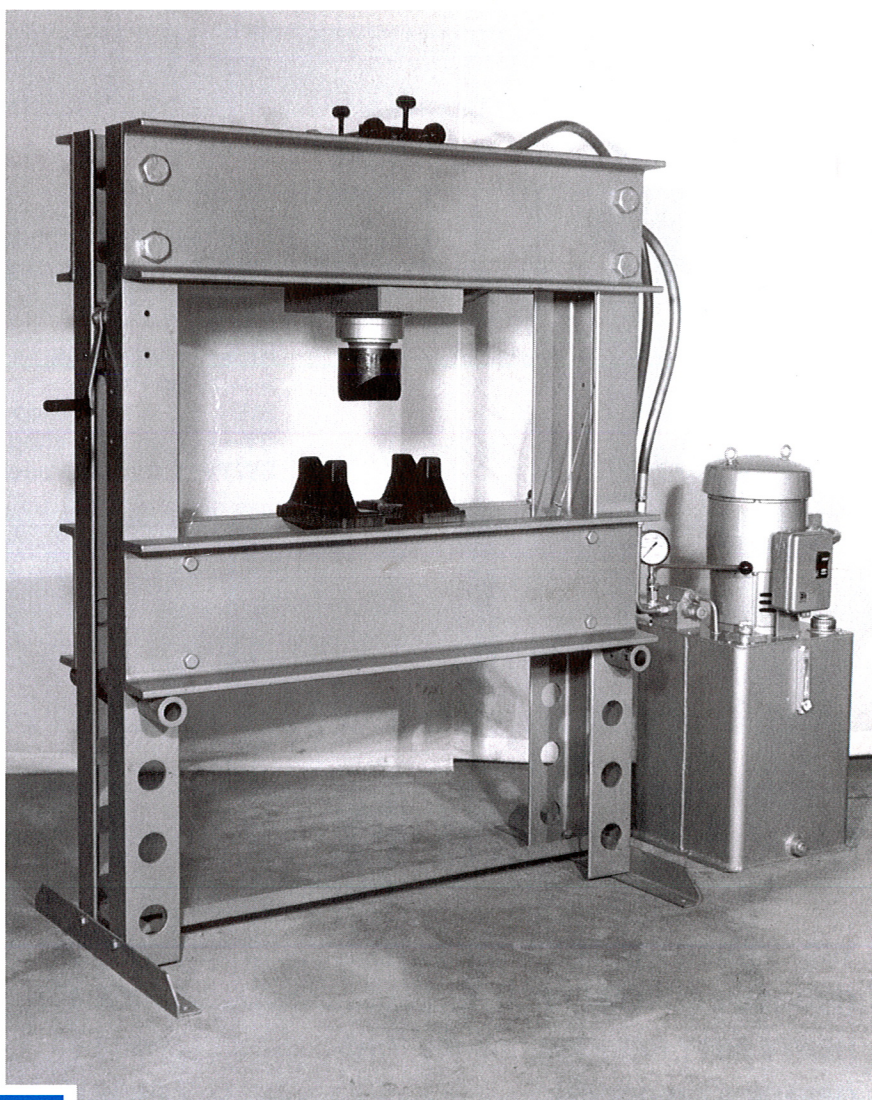


RODGERS HYDRAULIC SHOP PRESSES

100 Thru 400 Ton Capacities



gfp

Granite Fluid Power
Granite Falls, MN 56241
Phone (320) 564-9009 • Fax (320) 564-9029
www.gfpmf.com • e-mail: gfpinc@kilowatt.net

COMPARE FOR ECONOMY AND FEATURES

Since 1929, Rodgers Hydraulic has been building its reputation by applying hydraulic force to accomplish tasks. Today, Rodgers Task-Force family of hydraulic presses, pumps, cylinders and components are in use world-wide, meeting the needs of industry. Rodgers is proud to be the high pressure hydraulics member of the Granite Fluid Power team.

RODGERS "SPECIAL" PRESSES

A wide range of special presses, such as travelling frame presses, straightening presses are available from Rodgers. There's a Rodgers press for almost every need. If yours is the exception, consult the factory to find out about "standard specials" and presses custom built.

HOW TO SELECT YOUR RODGERS PRESS



S 100 14 1000

- Pump unit model number
- Double acting cylinder stroke in inches
- Press Tonnage
- Type of Press:
 - RES— Shop Press
 - S — Shop Press
 - SW — Extra wide shop press
 - SY — Open yoke shop press
 - SWY — Extra wide open yoke shop press

INDEX

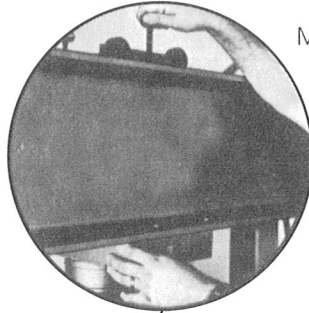
TASK FORCE PRESS FEATURES.....	PAGE 3
RUGGED ECONOMY PRESS.....	PAGE 4
HEAVY DUTY PRESSES, 100-400 TONS	PAGE 5
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RODGERS TASK FORCE PRESSES

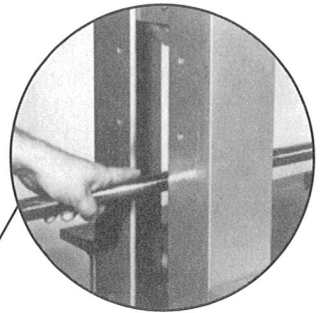
COMPARE FOR ECONOMY AND FEATURES

FORCE FOR PRESSING

is provided by the double acting cylinder provided as standard with all "Rugged Economy" models. The moveable head on the 100 through 400 ton models glides left and right and locks into position for working anywhere between the uprights.



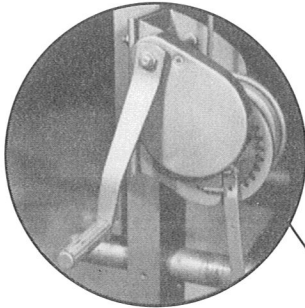
MOVABLE
HEAD



OPENINGS

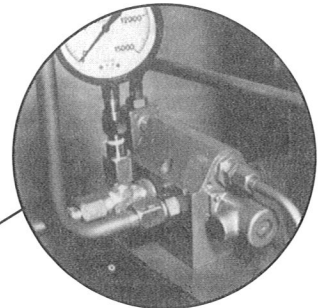
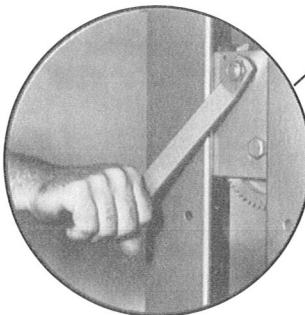
BETWEEN SIDE BARS

on all Rodgers "Rugged Economy" presses enable insertion of long bars and shafts for bending and straightening.

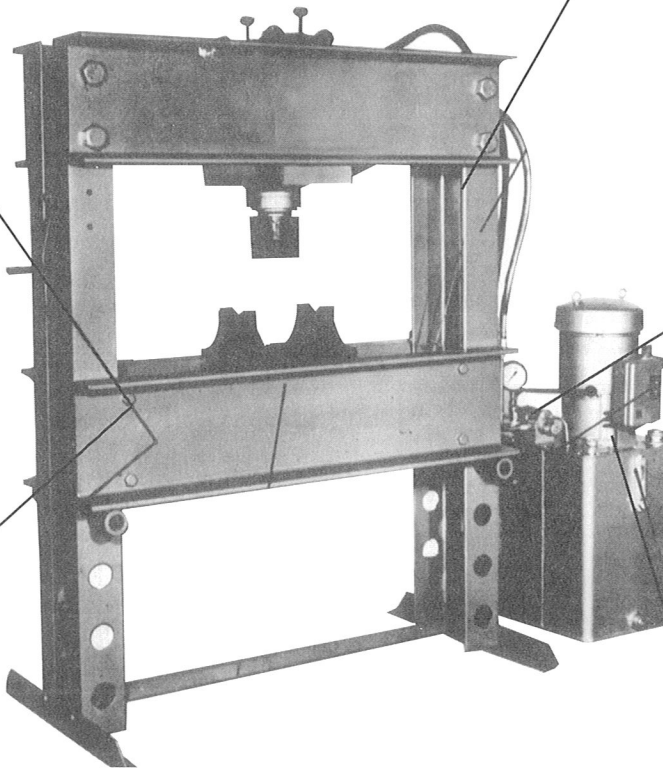


HEAVY DUTY WINCH

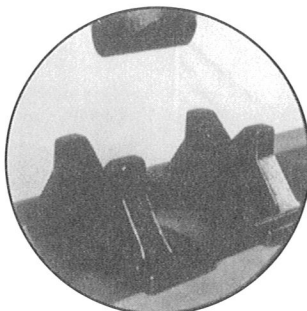
on all models 100 through 400 tons is designed with a gear ratio that makes the bed height adjustment an easy one-man operation.



"SENSI-CONTROL" VALVE, available with Model 1000 and 1001 pumping units, provides pressure sensitive operation. The cylinder pressure is directly proportional to the amount of pressure exerted by the operator on the hand lever or optional foot pedal.

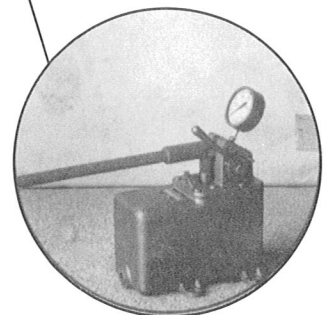


ALLOY STEEL V-BLOCKS, supplied with each press, are matched and machine cast. They're ideal for a multitude of pressing operations.



HYDRAULIC "TASK-PACK"

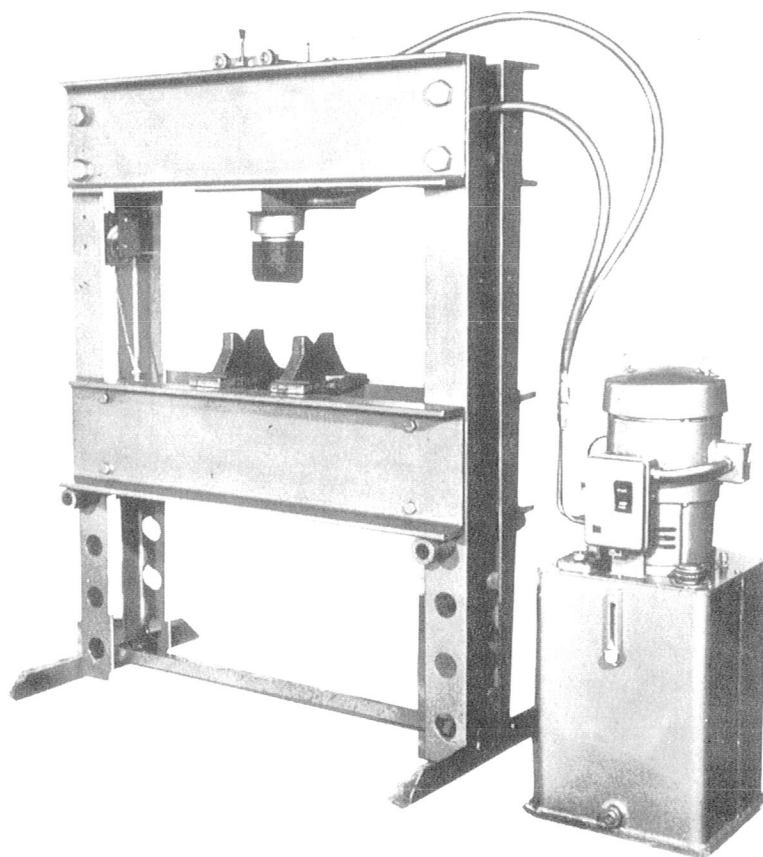
(Pump & Cylinder) on all "Rugged Economy" presses can be removed quickly for work outside the press.



"RUGGED ECONOMY" PRESS - 100 TON SPECIFICATIONS

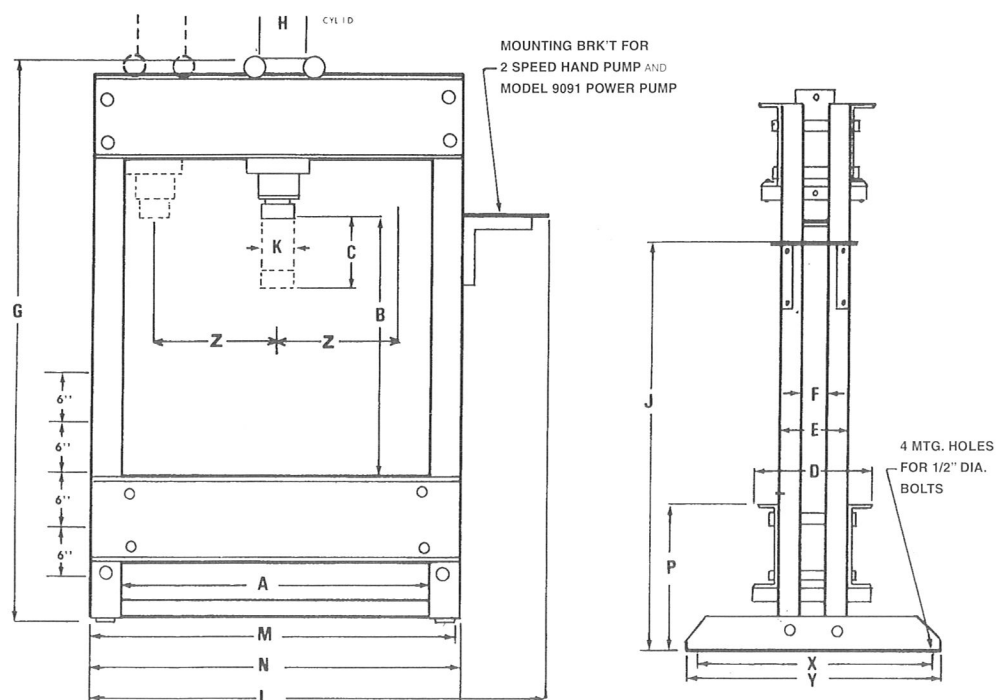
100 TON MODELS

Rugged double acting cylinder is mounted on wheels so it can be moved left or right and locked into position for pressing. Task-Pack (pump and cylinder) can be easily removed for use outside the press. A heavy duty winch raises and lowers the work bed for convenient working height. Construction features include steel angles and channel with openings between uprights to allow insertion of long bars and shafts. Hydraulic gauge, vee blocks and flat ram cap supplied as standard.



100 TON RES PRESS ACCESSORIES

- 466083 Vee Blocks
- 419044 Angle Wedge Ram Cap
- 419038 Round Nose Ram Cap
- 95008 Gauge



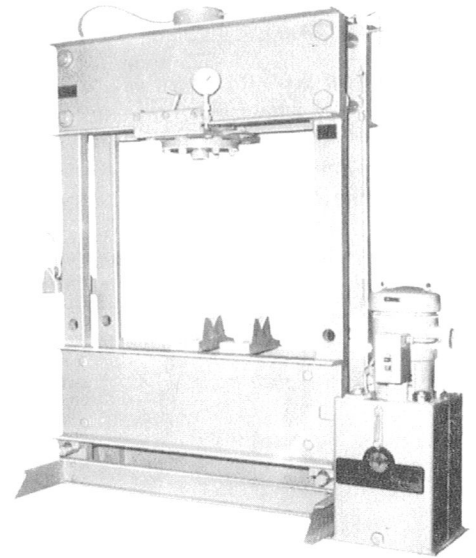
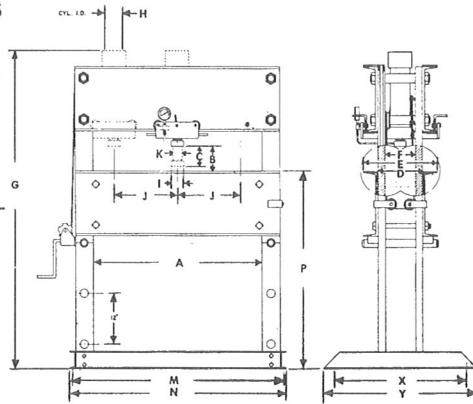
"RUGGED ECONOMY" SPECIFICATIONS

Frame Model No.	A	Max. B	Min. B	C	D	E	F	G	H	J	K	L	M	N	P	X	Y	Z
RES-100-8	42	31 $\frac{1}{2}$	7 $\frac{1}{2}$	8	17	10	3	77 $\frac{1}{2}$	6	50 $\frac{1}{4}$	5	63 $\frac{3}{4}$	51 $\frac{1}{2}$	53 $\frac{3}{4}$	20 $\frac{5}{8}$	28	30	16

RODGERS HYDRAULIC SHOP PRESSES

INDUSTRIAL HEAVY DUTY PRESSES 100 - 200 TON SERIES

Solid steel sidebars assure an extra solid frame for these heavy duty presses. Openings between the sidebars allow insertion of long bars and shafts, and additional daylight (front-to-back or side-to-side) is available on request. Extra duty double acting cylinder is mounted on rollers for easy positioning right to left, and it locks, securely for pressing. Hydraulic gauge, V-blocks and flat ram cap supplied as standard.

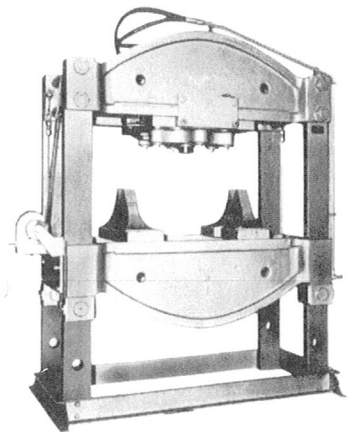
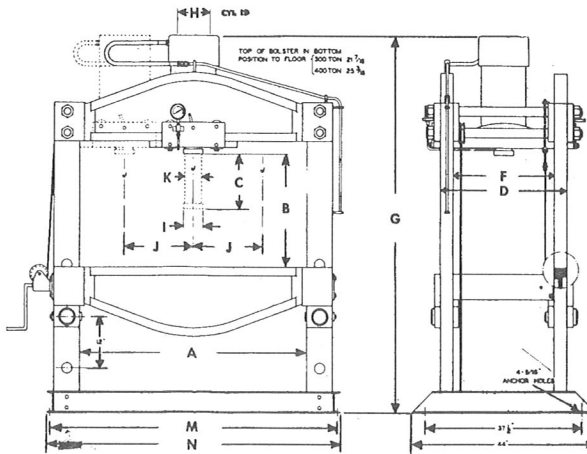


Cylinder Return	Frame Model Number	Press Capacity (Tons)	A	B Max.	B Min.	C	D	E	F	G	H	I	J	K	M	N	P Min.	X	Y
Hydraulic (Double Acting)	S100-14-18	100	45	31 ³ / ₄	7 ³ / ₄	14	18	26	14	87	6	5 ¹ / ₂	16 ¹ / ₄	5	55 ¹ / ₄	56 ¹ / ₂	28	37 ¹ / ₂	44
	SW100-14	100	72	31 ³ / ₄	7 ³ / ₄	14	24	32	20	87	6	5 ¹ / ₂	29 ³ / ₄	5	82 ¹ / ₄	83 ¹ / ₂	28	37 ¹ / ₂	44
	S150-14	150	48	31 ¹ / ₄	7 ¹ / ₄	14	12 ¹ / ₂	20 ¹ / ₂	8 ¹ / ₂	88	6 ¹ / ₂	5 ¹ / ₄	17	5 ¹ / ₂	60 ¹ / ₄	61 ¹ / ₂	28	37 ¹ / ₂	44
	S150-14-18	150	48	31 ¹ / ₄	7 ¹ / ₄	14	18	26	14	88	6 ¹ / ₂	5 ¹ / ₄	17	5 ¹ / ₂	60 ¹ / ₄	61 ¹ / ₂	28	37 ¹ / ₂	44
	SW150-14	150	72	31 ¹ / ₄	7 ¹ / ₄	14	24	32	20	88	6 ¹ / ₂	5 ¹ / ₄	29	5 ¹ / ₂	84 ¹ / ₄	85 ¹ / ₂	28	37 ¹ / ₂	44
	S200-14	200	48	36	12	14	24	32	20	92 ¹ / ₂	8	7	15 ¹ / ₂	6 ¹ / ₂	62 ¹ / ₄	63 ¹ / ₂	28	37 ¹ / ₂	44
	SW200-14	200	72	36	12	14	24	32	20	93 ¹ / ₂	8	7	27 ¹ / ₂	6 ¹ / ₂	86 ¹ / ₄	87 ¹ / ₂	28	37 ¹ / ₂	44

RODGERS HYDRAULIC SHOP PRESSES - 300 & 400 TONS

EXTRA HEAVY DUTY INDUSTRIAL PRESSES, 100 - 200 TON SERIES

High strength heat treated alloy steel castings, used in the construction of these presses result in the most rigid presses possible. Yet this strength is produced without the bulk of a fabricated member. Openings between the uprights enable insertion of long bars and shafts. The double acting cylinder mounted on rollers for easy positioning right to left, enables easy one-man bed height adjustment. Hydraulic gauge, V-blocks and flat ram cap supplies as standard.

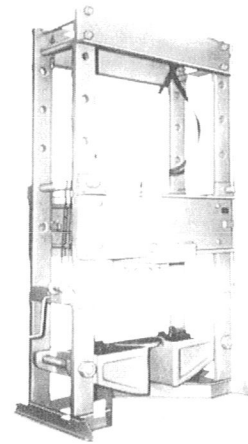
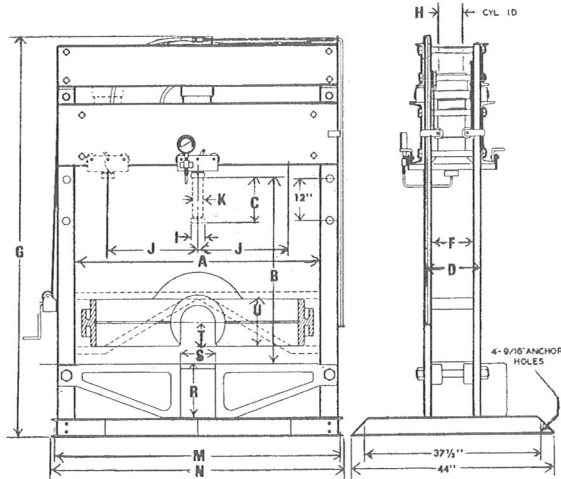


Cylinder Return	Hydraulic (Double Acting)	Press Capacity (Tons)	A	B Max.	B Min.	C	D	F	G	H	I	J	K	M	N
Hydraulic (Double Acting)	S300-14	300	54	48	12	14	30	24	99	10	8 ¹ / ₄	14 ¹ / ₂	7 ¹ / ₂	68 ¹ / ₄	69 ¹ / ₂
	SW300-14	300	72	48	12	14	30	24	99	10	8 ¹ / ₄	22 ¹ / ₂	7 ¹ / ₂	86 ¹ / ₄	87 ¹ / ₂
	S400-14	400	54	48	12	14	30	24	105	12	8 ¹ / ₄	14 ¹ / ₂	7 ¹ / ₂	68 ¹ / ₄	69 ¹ / ₂
	SW400-14	400	72	48	12	14	30	24	105	12	8 ¹ / ₄	22 ¹ / ₂	7 ¹ / ₂	86 ¹ / ₄	87 ¹ / ₂

RODGERS HYDRAULIC OPEN YOKE SHOP PRESSES

100, 150, 200, 300 AND 400 TONS

Ideal for working on large armatures, drums and materials with long shaft extensions. Work can be swung directly into the press yoke without encountering obstructions. An optional auxiliary bed permits use of this press for general shop work.



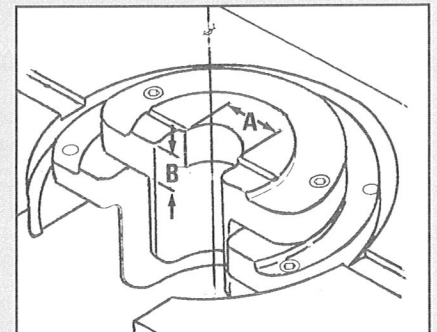
A heavy duty winch adjusts the head member made from channel sections on the 300 and 400 ton models. A double acting cylinder, mounted on rollers for easy positioning right or left, locks securely into place for pressing. Press shipped completely assembled.

OPEN YOKE SPECIFICATIONS

Cylinder Return	Frame Model Number	Press Capacity (Tons)	A	B Max.	B Min.	C	D	F	G	H	I	J	K	M	N	P	R	S	T	U
Hydraulic (Double Acting)	SY100-14	100	48	43 1/2	7 1/2	14	12 1/2	8 1/2	106	6	5 1/2	18	5	58 1/4	59 1/2	18 3/4	11 1/2	6	6 1/4	12 1/2
	SWY100-14	100	72	43 1/2	7 1/2	14	12 1/2	8 1/2	106	6	5 1/2	30	5	82 1/4	83 1/2	18 3/4	12 3/4	6	6 1/4	12 1/2
	SY150-14	150	48	54 7/8	6 7/8	14	12 1/2	8 1/2	119	6 1/2	5 1/4	17	5 1/2	60 1/4	61 1/2	18 3/4	12 3/4	10	6 1/4	12 1/2
	SWY150-14	150	72	54 7/8	6 7/8	14	24	20	123	6 1/2	5 1/4	29	5 1/2	84 1/4	85 1/2	21 3/4	15 3/4	10	12	24
	SWY200-14	200	72	60	12	14	24	20	128	8	17	27 1/2	6 1/2	86 1/4	87 1/2	21 3/4	15 3/4	10	12	24
	SWY300-14	300	72	60	12	14	30	24	129	10	8 1/4	25	7 1/2	86 1/4	87 1/2	23 3/4	16 3/4	14	12	30
	SWY400-14	400	72	60	12	14	30	24	133	12	8 1/4	23	7 1/2	86 1/4	87 1/2	26	20	18	15	30

YOKE ADAPTERS FOR OPEN YOKE PRESS

Press Capacity (Tons)	Item	Part Number	A Diameter	B
100	Master Adapter	86266	4	2
	Nesting Adapter	86267	2	2 1/2
150	Master Adapter	86269	6	2
200	Master Adapter	86269	6	2
300	Master Adapter	86273	10	2 1/4
	Nesting Adapter	86274	6	2 3/8
400	Master Adapter	86277	12	2 1/4
	Nesting Adapter	86278	6	3



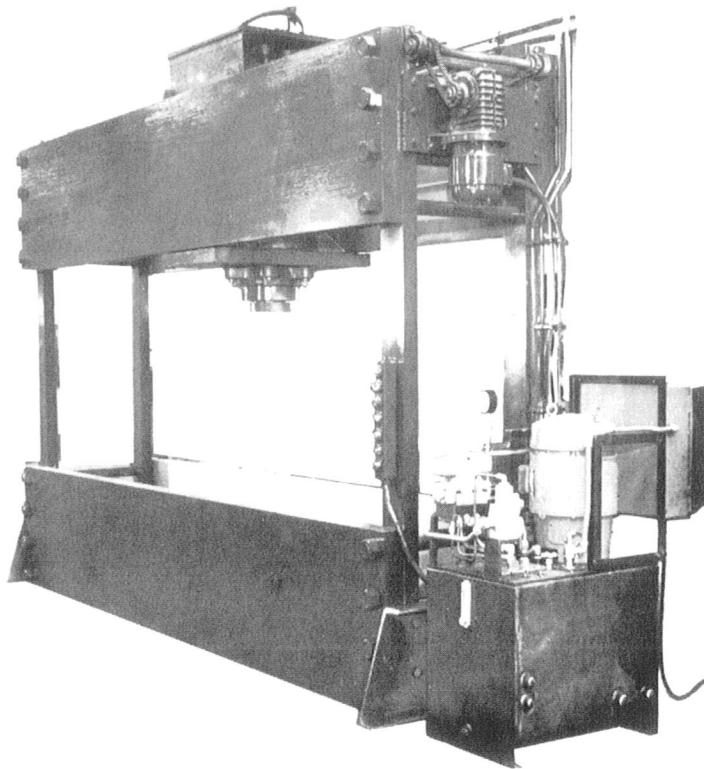
Rodgers master and nesting adapters for Open Yoke Shop Presses are made of the very finest alloy cast steel. Master adapters are centered in the yoke by dowel pins and firmly secured by counter-sunk socket head screws.

All nesting adapters are positioned on machined surfaces and held in place by counter-sunk socket head screws.

A rugged eye is placed on either side of the adapters for ease and convenience in handling.

When ordering nesting adapters, please remember that it is necessary to have all the larger nesting adapters and also the master adapter for the particular type size yoke diameter needed.

STRAIGHTENING PRESSES



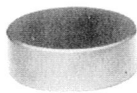
Designed for straightening railroad boxcar doors, this press is also ideal for straightening large plates and steel castings. Features include electric motor-driven right-left workhead adjustment and a Rodgers 80-3050 hi/low pumping unit with remote pushbutton control panel and pilot check valve which holds cylinder pressure.

Capacity (Tons)	Ram Travel	Clearance Left to Right	Clearance Front to Back	Ram to Table
150	36"	144"	18"	36"
200	36"	144"	20"	36"
300	36"	144"	24"	36"

Contact factory for more information and drawings on the above presses.

RODGERS PRESS ACCESSORIES

Flat
Ram Cap



Part No.

419053
419054
419055
419075
419076

Press Model Number

S100-14, S100-14-18, SW100-14, SY100-14, SWY100-14
S150-14, S150-14-18, SW150-14, SY150-14, SWY150-14
S200-14, SW200-14, SWY200-14
S300-14, SW300-14, SWY300-14
S400-14, SW400-14, SWY400-14

Gauge



Part No.

95008
95009
95010
95011
95012

Angle Wedge
Ram Cap



Part No.

419044
419045
419045
419695
419696

Press Model Number

S100-14, S100-14-18, SW100-14, SY100-14, SWY100-14
S150-14, S150-14-18, SW150-14, SY150-14, SWY150-14
S200-14, SW200-14, SWY200-14
S300-14, SW300-14, SWY300-14
S400-14, SW400-14, SWY400-14

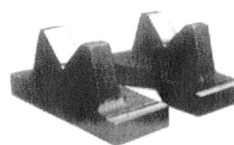
Round Nose
Ram Cap



Part No.

419038
419039
419040
419697
419698

Vee Blocks



Press
Model
Number

S100-14, S150-14
S100-14-18, S150-14-18
SW100-14, SW150-14

Part No.

466001
86348
86352

Part No.

466008
86347
466128
466131

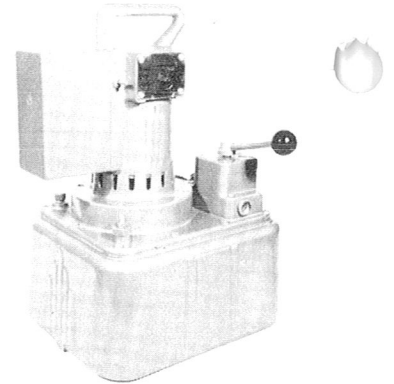
Press
Model
Number

S200-14
SW200-14
S300-14, SW300-14
S400-14, SW400-14

SELECT ONE OF THESE FAST, ECONOMICAL PUMPS

PUMP UNIT SPECIFICATIONS

Pump Unit Model No.	Pump Delivery (GPM) at 0 PSI		ELECTRIC MOTOR					Reservoir Capacity (Gallons)		
	High Pressure Pump	Low Pressure Pump	Horse Power	Speed (RPM)	Voltage	Phase	Cycles	Type	Total	Usable
9091	.24	2.59	1 ¹ / ₈	12000	115	1	60	Drip Proof	2	1.6
1000	1.83		7 ¹ / ₂	1800	230/460	3	60	Drip Proof	18	12
1001	1.83	8	7 ¹ / ₂	1800	230/460	3	60	Drip Proof	18	12
1045	1.83	8	7 ¹ / ₂	1800	230/460	3	60	Drip Proof	50	35
3049	4.76	12	20	1800	230/460	3	60	Drip Proof	50	35
3050	4.76	22.5	20	1800	230/460	3	60	Drip Proof	50	35



RODGERS MODEL 9091 2-SPEED ELECTRIC PUMP —

Save labor and effort. The electric pump gives you a fast approach and return stroke with high volume, low pressure and shifts automatically to high pressure, low volume when work is encountered.

OPERATING PRESSURES AND RAM TRAVEL SPEEDS

Press Capacity (Tons)	Pump Unit Model Number	Operating Pressure — PSI			Ram Speeds — IPM		
		Approach	Press	Return	Approach	Press	Return
100	9091	1000	7073	1000	21	2.5	69
	1000	7073	7073	1000	14	14	46
	1001	1000	7073	1000	74	14	240
	80-1045	1000	7073	1000	74	14	240
	80-3049	1000	7073	1000	131	37	304
150	9091	1000	9041	1000	18	2	63
	1000	9041	9041	1000	12	12	42
	1001	1000	9041	1000	63	12	220
	80-1045	1000	9041	1000	63	12	220
	80-3049	1000	9041	1000	112	30	278
200	80-3050	1000	9041	1000	170	30	485
	9091	1000	7958	1000	12	1.5	35
	1000	7958	7958	1000	8	8	23
	1001	1000	7958	1000	41	8	122
	80-1045	1000	7958	1000	41	8	122
300	80-3049	1000	7958	1000	74	20	152
	80-3050	1000	7958	1000	113	20	268
	1000	7639	7639	1000	5	5	11
	1001	1000	7639	1000	26	5	60
	80-1045	1000	7639	1000	26	5	60
400	80-3049	1000	7639	1000	47	13	76
	80-3050	1000	7639	1000	72	13	133
	1000	7073	7073	1000	3.5	3.5	5.5
	1001	1000	7073	1000	18	3.5	29
	80-1045	1000	7073	1000	18	3.5	29
80-3049	1000	7073	7073	1000	32	9	37
	80-3050	1000	7073	1000	50	9	65

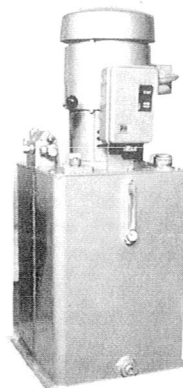
Model 9091

Models 1000 & 1001

Models 80-1045, 80-3049 & 80-3050

RODGERS MODEL 1000 ELECTRIC PUMPING UNIT —

Three times faster than the Model 9091, this 1.8 G.P.M. single speed pump is submerged in its oil for extremely quiet operation and long life. Special Rodgers "Sensi-Control" valve incorporation in the design of this unit provides pressure sensitive operation. The cylinder pressure is directly proportional to the amount of pressure exerted by the operator on the hand lever.



RODGERS MODEL 80-1045, 80-3049 80-3050 ELECTRIC 2-SPEED PUMPING UNIT

This control system is used when it is desirable to have electrical pushbutton remote control for extending and retracting a cylinder ram. 50 gallon reservoir provides extra oil capacity. Hydraulic components are submerged in oil for quiet operation. The "High-Low" circuit provides fast ram approach and return. (See Above Pump Unit Specification Chart)

MODEL 1001 2-SPEED ELECTRIC PUMPING UNIT —

High speed approach and return stroke is provided by 8 G.P.M. low pressure stage. As work is encountered pump automatically shifts to 1.8 G.P.M. high pressure stage for force when it's needed. Special Rodgers "Sensi-Control" valve incorporated in the design of this unit provides pressure sensitive operation. The cylinder pressure is directly proportional to the amount of pressure exerted by the operator on the hand lever.