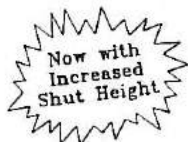
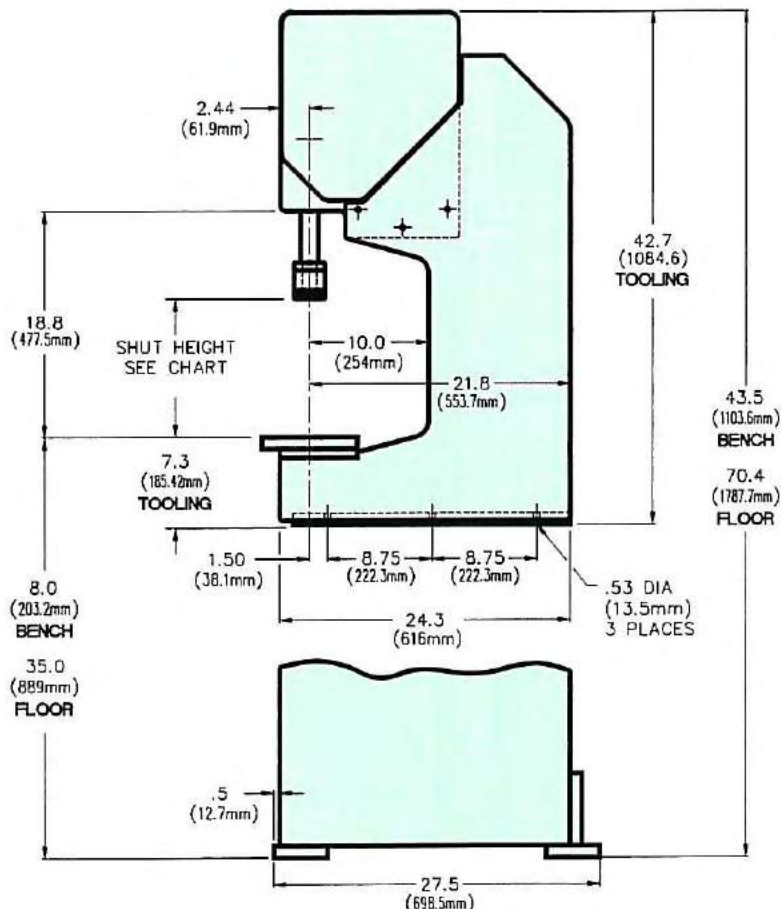
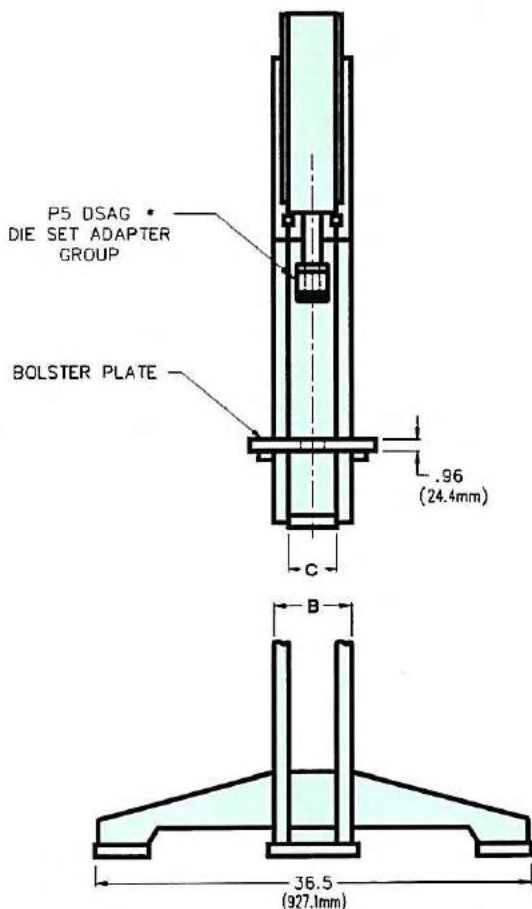
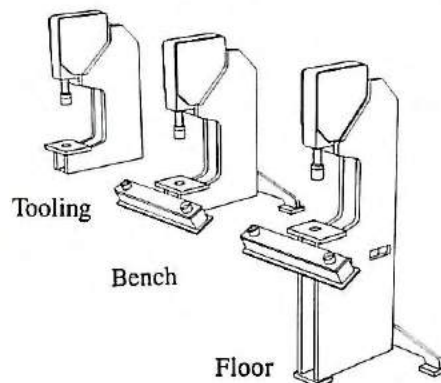


B, F and T Models (Bench, Floor and Tooling)



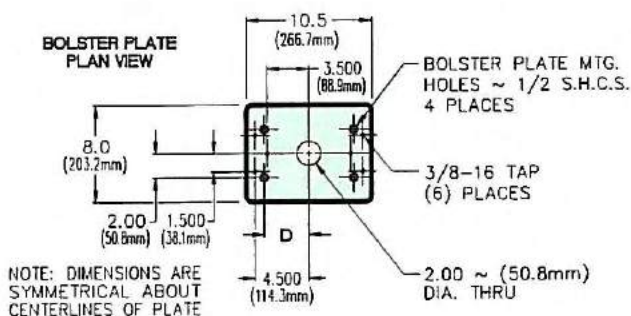
P5B x 3.00 (76.2mm) Stroke 000846 - 310 lbs. (141 kg)
 P5B x 4.50 (114.3mm) Stroke 000847 - 310 lbs. (141 kg)
 P5F x 3.00 (76.2mm) Stroke 000850 - 450 lbs. (205 kg)
 P5F x 4.50 (114.3mm) Stroke 000851 - 450 lbs. (205 kg)
 P5T x 3.00 (76.2mm) Stroke 000848 - (136 kg)
 P5T x 4.50 (114.3mm) Stroke 000849 - (136 kg)

P10B x 3.00 (76.2mm) Stroke 000852 - 700 lbs. (318 kg)
 P10B x 4.50 (114.3mm) Stroke 000853 - 700 lbs. (318 kg)
 P10F x 3.00 (76.2mm) Stroke 000856 - 835 lbs. (380 kg)
 P10F x 4.50 (114.3mm) Stroke 000857 - 835 lbs. (380 kg)
 P10T x 3.00 (76.2mm) Stroke 000854 - 560 lbs. (255 kg)
 P10T x 4.50 (114.3mm) Stroke 000855 - 560 lbs. (255 kg)



PRESS	B	C	D
5 TON	3.2 81.3mm	1.96 49.8mm	2.19 55.6mm
10 TON	6.4 162.6mm	3.90 99.1mm	3.75 95.3mm

STROKE	SHUT HEIGHT
3.00 STROKE (76.2mm)	11.50 (292.1mm) MAX. 10.50 (266.7mm) MIN.
4.50 STROKE (114.3mm)	10.00 (254.0mm) MAX. 9.00 (228.6mm) MIN.

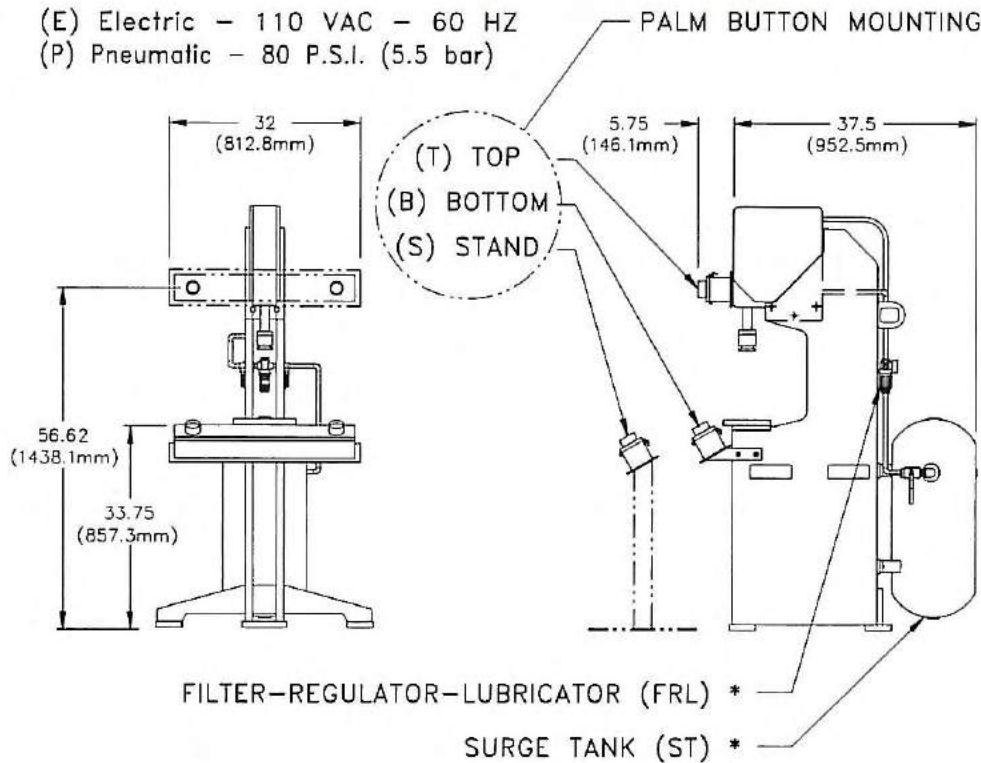


How to Order Presses										
Quantity	Model	Stroke	Ram Style	TE is Standard	Die Set Adapter	Ram Latch	Proximity Switches	Controls	Consider Tooling	
6	P10F	4.50	TE-175	DSAG	RL	EPRL	EPRL	CP	E	S
		3.00, 4.50 or Special	TE is Standard	See Page 18	See Page 21	See Page 19	See Page 28	See Page 21	See Pages 11, 13, 19 & 21	

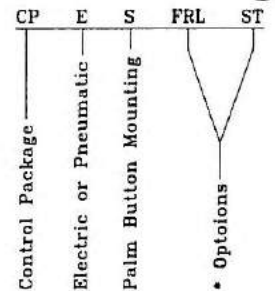
* Denotes Options

CONTROL PACKAGES (CP)

- (E) Electric - 110 VAC - 60 HZ
(P) Pneumatic - 80 P.S.I. (5.5 bar)



How to Order Control Packages

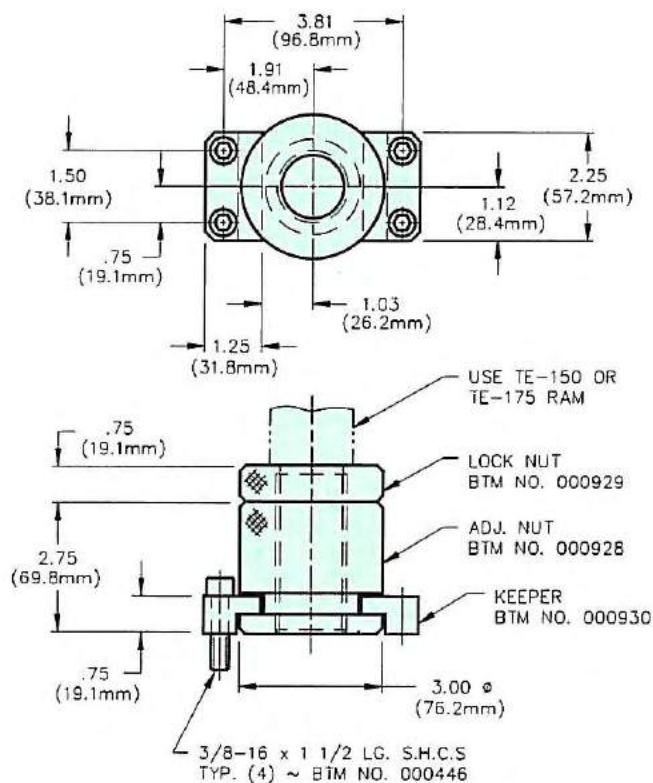


Standard Control Package logic is 2 hand, anti tie down, anti repeat.

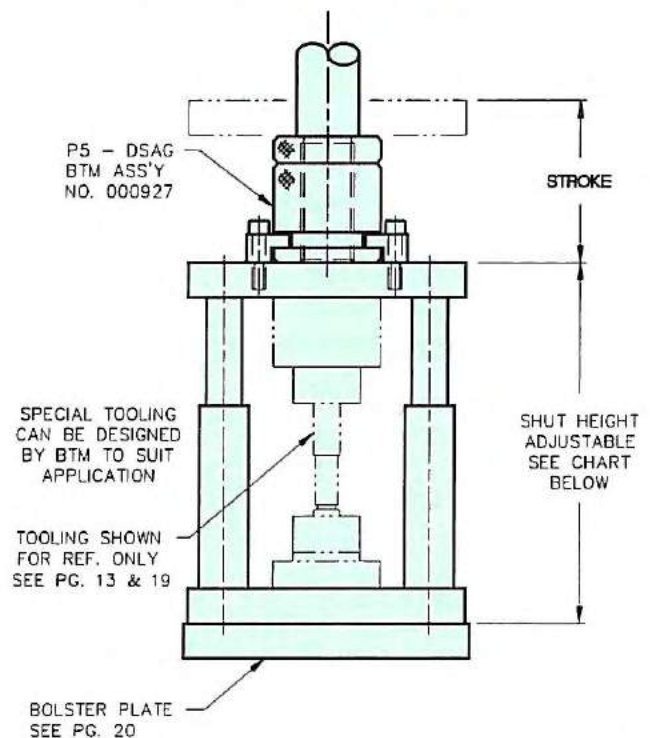
Special Control Packages are available.

P5 - DSAG

(DIE SET ADAPTER GROUP)
BTM ASS'Y NO. 000927



DIE SET INFORMATION



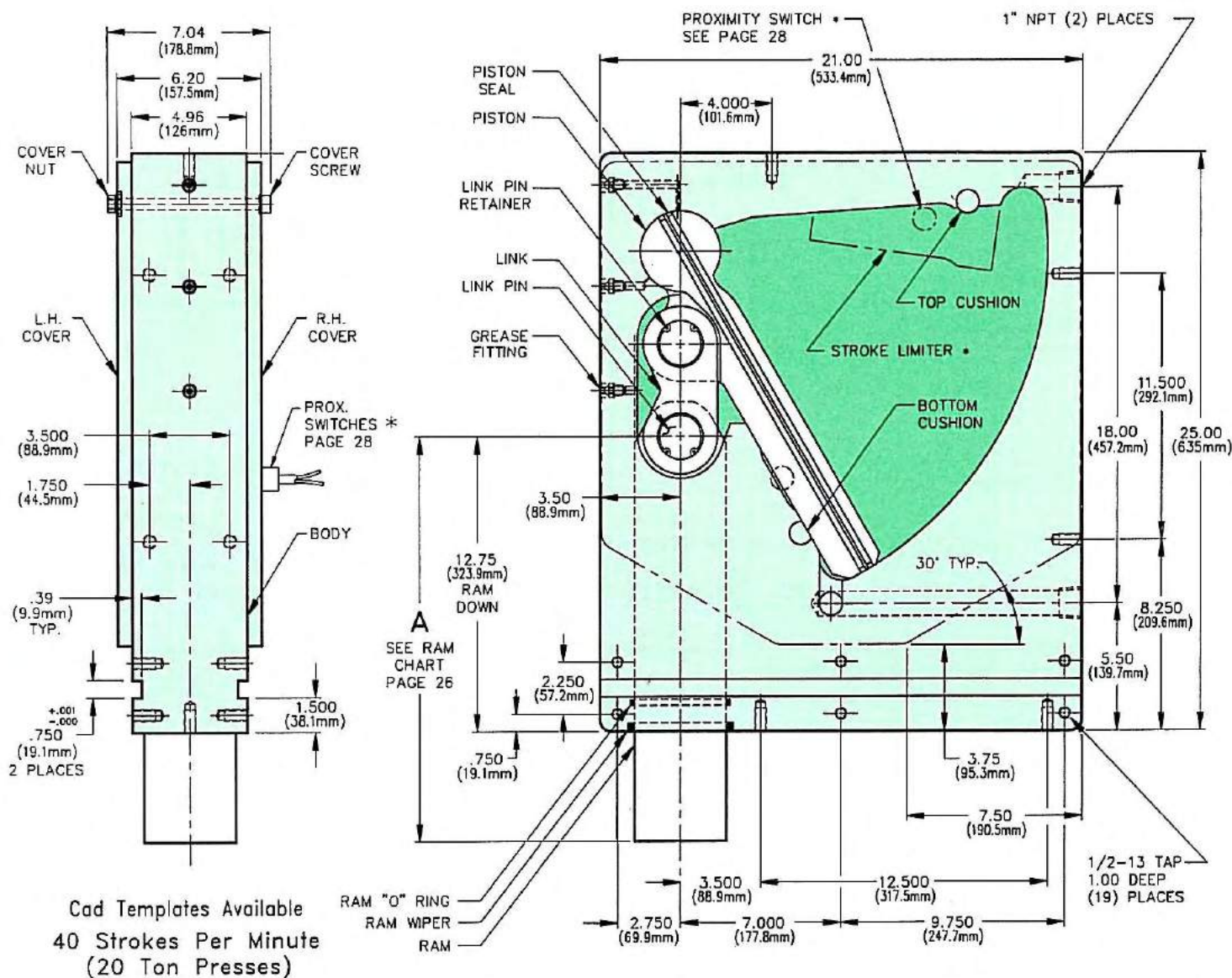
STROKE	SHUT HEIGHT
3.00 STROKE (76.2mm)	11.50 (292.1mm) MAX. 10.50 (266.7mm) MIN.
4.50 STROKE (114.3mm)	10.00 (254.0mm) MAX. 9.00 (228.6mm) MIN.

20 Ton H Presses

H Models (Head)

P20H x 3.00 (76.2mm) Stroke 001556 - 345 lbs. (157 kg)

P20H x 4.50 (114.3mm) Stroke 001557 - 345 lbs. (157 kg)



Cad Templates Available
40 Strokes Per Minute
(20 Ton Presses)

Components

P20H

Description	No. Req'd	BTM No.
P20H x 3.00 (76.2mm) Body	1	000422
P20H x 4.50 (114.3mm) Body	1	000423
Piston	1	000424
Piston Seal	2	000431
Link	1	000425
Link Pin	2	000426
Link Pin Retainer	2	000432
Ram - 400 Series	1	See Pg. 26
R.H. Cover	1	000429
L.H. Cover	1	000430
Cover Screw	17	000436
Cover Nut	17	000437
Ram Wiper	1	000434
Ram "O" Ring	1	000433
Grease Fitting	3	000050
Sealant - Cover	1	000273
Seal Kit	1	000809
Top Cushion	2	004318
Bottom Cushion	2	004318
Stroke Limiter	1	000823

How to Order Presses

Quantity	6	P20H	x	4.50	T-400	EPRL	EPEL	RL	DSAG	TOOLING
	_____	_____		_____	_____			_____	_____	_____
						* Proximity Switches See Page 28				
								* Ram Latch See Page 19	* Die Set Adapter See Page 27	* Consider Tooling See Pgs. 11,13,19 & 27

How to Order Components

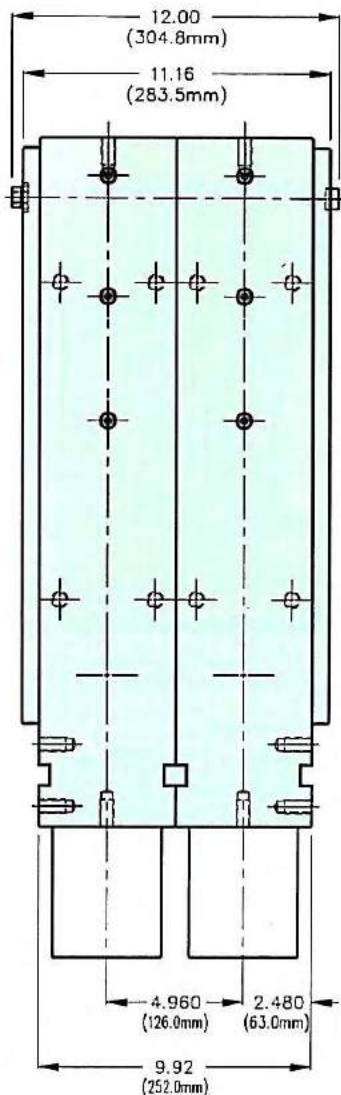
Qty.	Description	BTM No.
2	P20 Link	000425

- Denotes Options

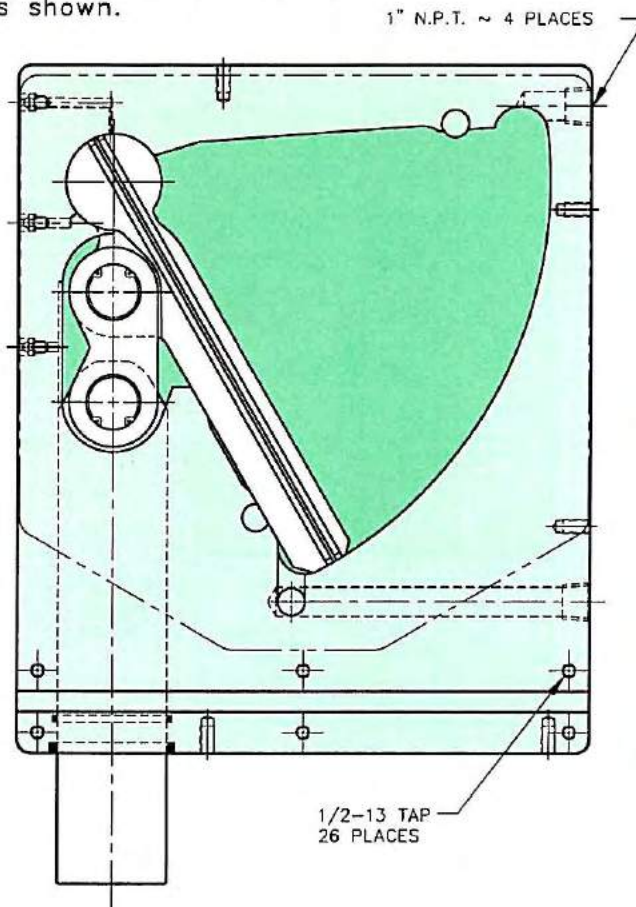
H Models (Head)

P40H x 3.00 (76.2mm) Stroke 003899 - 660 lbs. (300 kg)

P40H x 4.50 (114.3mm) Stroke 003900 - 660 lbs. (300 kg)



NOTE:
Dimensions are identical to P20H
except as shown.



Cad Templates Available

40 Strokes Per Minute
(40 Ton Presses)

Components P40H

Description	No. Req'd	BTM No.
P40H x 3.00 (76.2mm) Body	1	013144
P40H x 4.50 (114.3mm) Body	1	013145
Piston Set	1	004615
Piston Seal	4	000431
Link	1	004614
Link Pin	2	004616
Link Pin Retainer	2	000432
Ram - 400 Series	2	See Pg. 26
R.H. Cover	1	000429
L.H. Cover	1	000430
Cover Screw	17	004618
Cover Nut	17	000437
Ram Wiper	2	000434
Ram "O" Ring	2	000433
Grease Fitting	6	000050
Sealant - Cover	1	000273
Seal Kit	1	004617

How to Order Presses

6	P40H	4.50	T-400	EPRL	EPFL	RL	DSAG	TOOLING
Quantity	Model	Stroke 3.00, 4.50 or Special	Ram Style See Page 26	Proximity Switches See Page 28	Ram Latch See Page 19	Die Set Adapter See Page 27	Consider Tooling See Pgs. 11, 13, 19 & 27	

How to Order Components

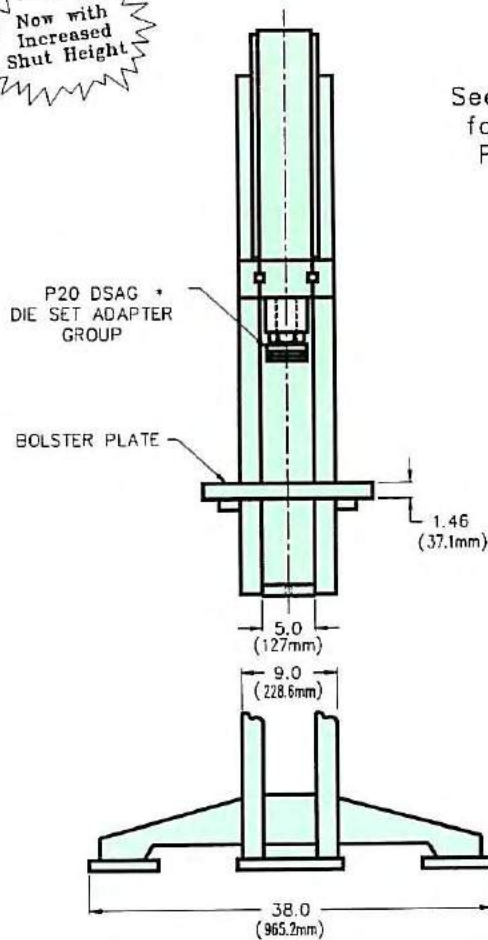
Qty.	Description	BTM No.
2	P40 Link	004614

* Denotes Options

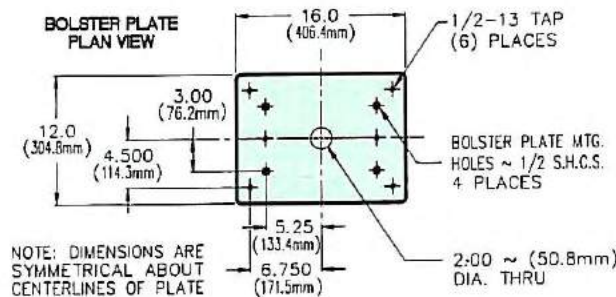
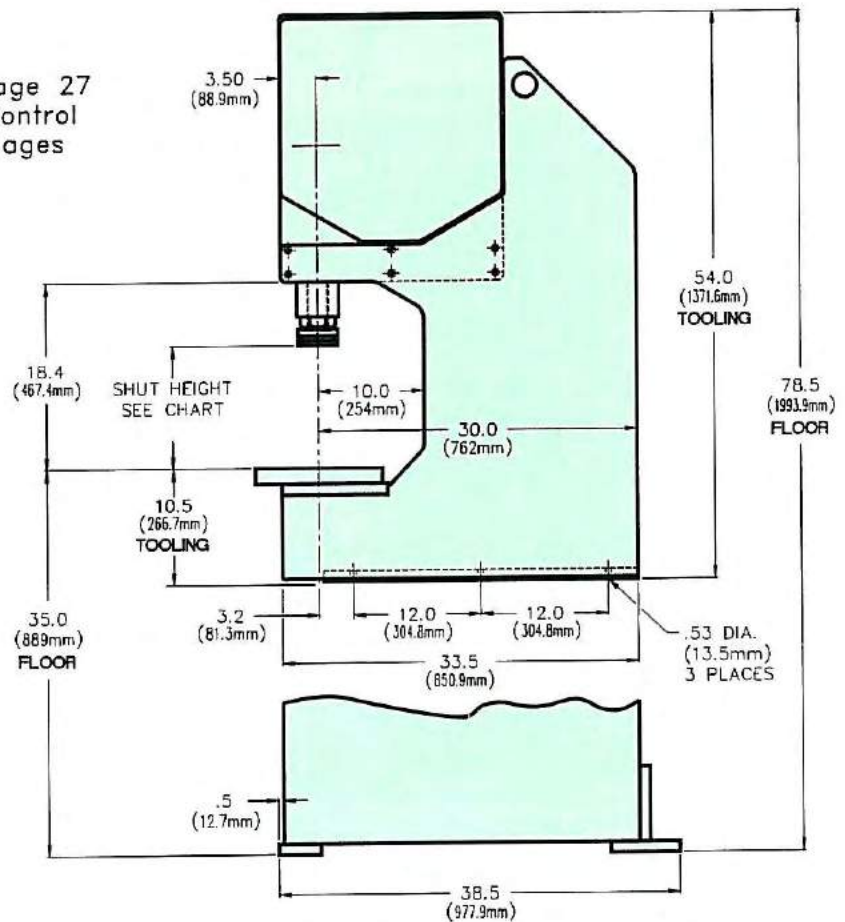
F and T Models (Floor and Tooling)

P20F x 3.00 (76.2mm) Stroke 000862 - 2600 lbs. (1182 kg)
P20F x 4.50 (114.3mm) Stroke 000863 - 2600 lbs. (1182 kg)
P20T x 3.00 (76.2mm) Stroke 000860 - 1550 lbs. (705 kg)
P20T x 4.50 (114.3mm) Stroke 000861 - 1550 lbs. (705 kg)

Now with
Increased
Shut Height

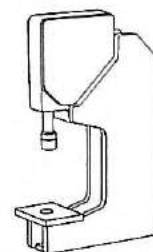


See page 27
for Control
Packages

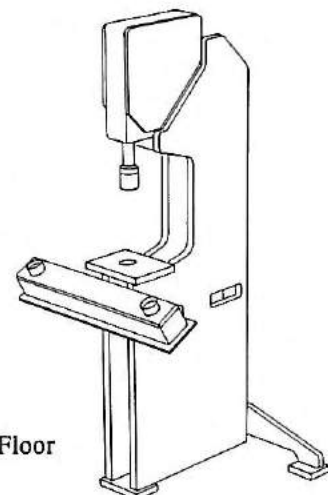


NOTE: DIMENSIONS ARE
SYMMETRICAL ABOUT
CENTERLINES OF PLATE

STROKE	SHUT HEIGHT
3.00 STROKE (76.2mm)	12.50 (317.5mm) MAX. 11.50 (292.1mm) MIN.
4.50 STROKE (114.3mm)	11.00 (279.4mm) MAX. 10.00 (254.0mm) MIN.



Tooling



Floor

How to Order Presses

6 P20F 4.50 T-400 DSAG RL EPRL EPEL CP E S FRL TOOLING

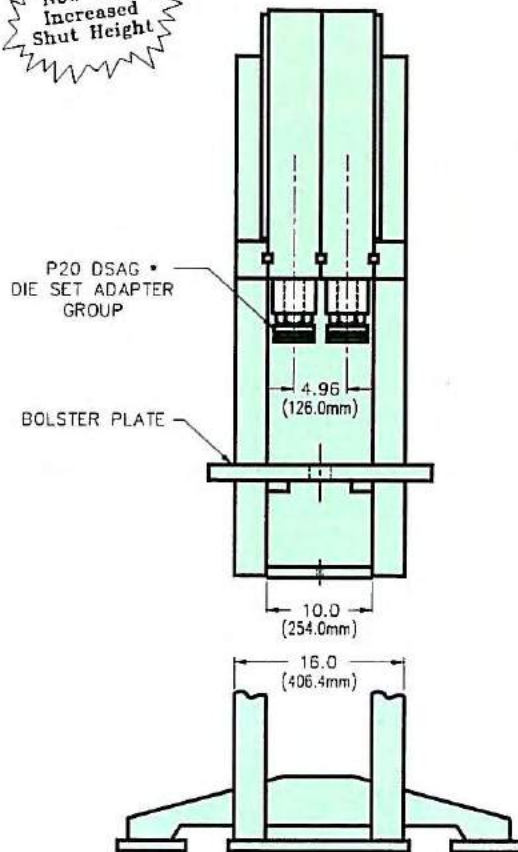
Quantity	Model	Stroke 3.00, 4.50 or Special	Ram Style T is Standard See Page 26	Die Set Adapter See Page 27	Ram Latch See Page 19	Proximity Switches See Page 28	Controls See Page 27	Consider Tooling See Pages 11, 13, 19, & 27
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* Denotes Options

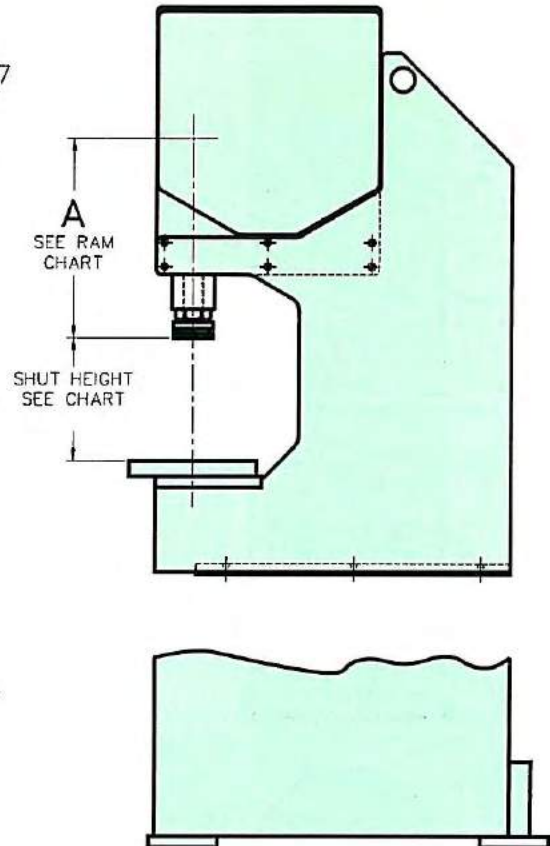
F and T Models (Floor and Tooling)

P40F x 3.00 (76.2mm) Stroke 003905 - 2950 lbs. (1338 kg)
 P40F x 4.50 (114.3mm) Stroke 003906 - 2950 lbs. (1338 kg)
 P40T x 3.00 (76.2mm) Stroke 003903 - 1895 lbs. (860 kg)
 P40T x 4.50 (114.3mm) Stroke 003904 - 1895 lbs. (860 kg)

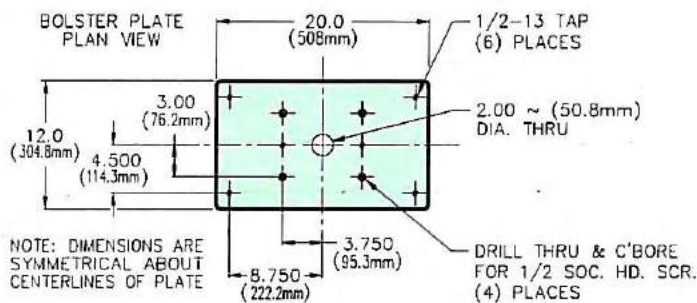
Now with
Increased
Shut Height



See page 27
for Control
Packages

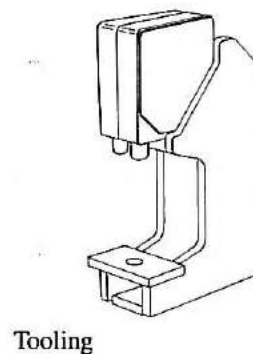


NOTE: DIMENSIONS ARE IDENTICAL TO 20 TON
VERSIONS EXCEPT AS SHOWN.

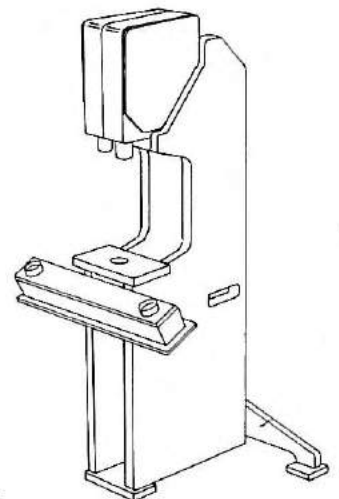


How to Order Presses									
6	P40F	4.50	T-400	DSAG	RL	EPRL	EPEL	CLE S	FRL TOOLING
Quantity	Model	Stroke 3.00, 4.50 or Special	Ram Style T is Standard See Page 26	Die Set Adapter See Page 27	Ram Latch See Page 19	Proximity Switches See Page 28	Controls See Page 27	Consider Tooling See Pages 11, 12, 19, & 27	

* Denotes Options

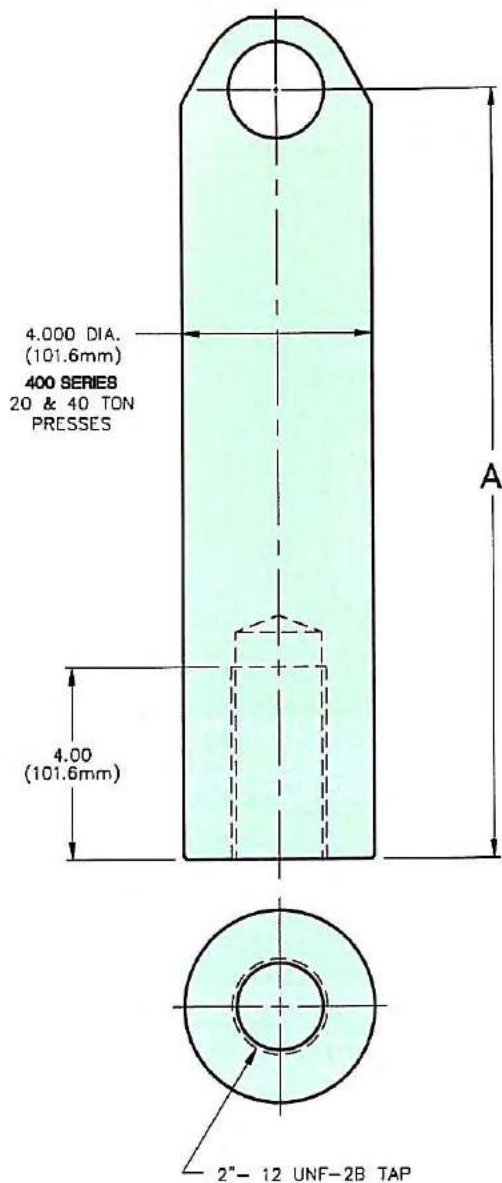


Tooling

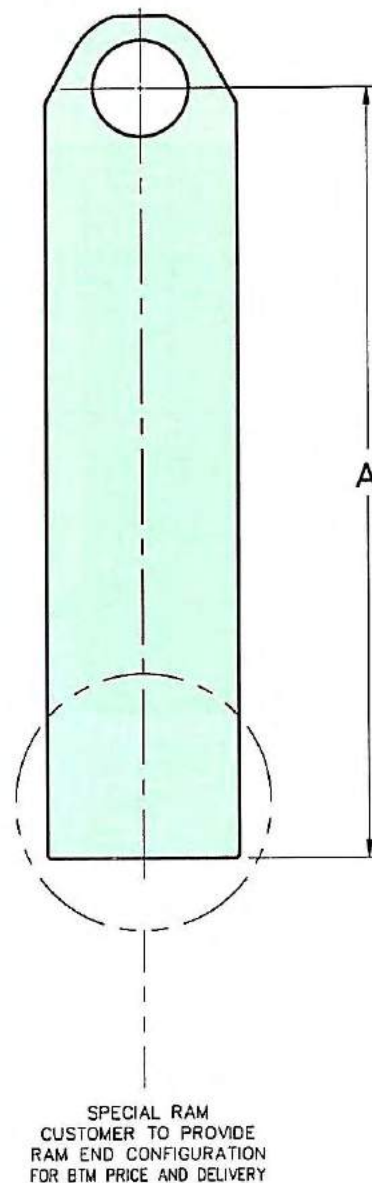


Floor

T - 400



S - 400



SERIES	PRESS MODEL	RAM STYLE	STROKE	A DIM.	BTM NO.
400 SERIES RAMS FOR 20 & 40 TON PRESSES	ALL	T	3.00 (76.2mm)	16.00 (406.4mm)	007607
			4.50 (114.3mm)	17.50 (444.5mm)	007947
		S	3.00 (76.2mm)	PER CUSTOMER	TO BE ASSIGNED
			4.50 (114.3mm)	PER CUSTOMER	TO BE ASSIGNED