

# SCHMIDT® HydroPneumaticPress

## C-Frame Design with Force/Stroke Monitoring

SCHMIDT® HydroPneumaticPresses with force/stroke monitoring are offered as complete system with control unit **SCHMIDT® PressControl 600**. These systems are characterized by sensors and signal amplification integrated in the press head. These signals are evaluated in real time.

### Features

- Direct forces are measured with a force sensor integrated in the ram. Insensitive against side forces
- Signal readings are not affected by outside interference
- A measuring data amplification integrated in the press head provides short transmission paths of unamplified signals
- Precision guide rails for precise working. Bilaterally adjustable, play-free gibs, precision machined bore for tool location. No die-set required



Press Type 361

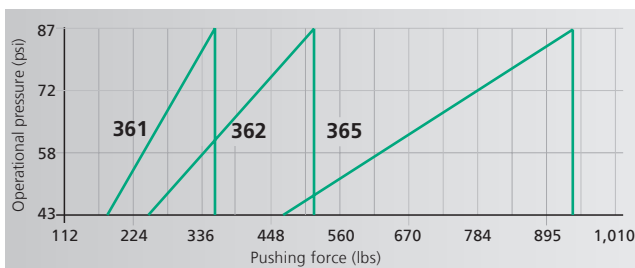


Press Type 362

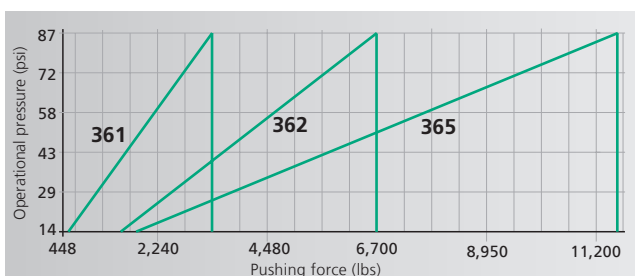


Press Type 365

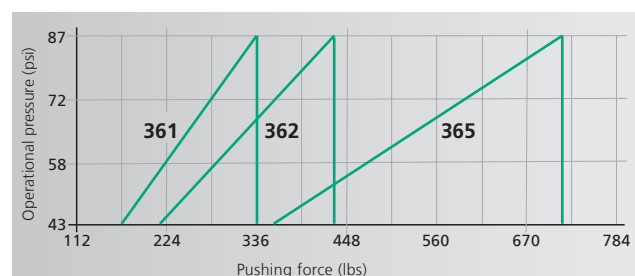
### Rapid Approach Stroke



### Power Stroke



### Return Stroke



Operational pressure < 43.5 psi: can only be operated with press force preselector!

From 15 kN to 52 kN / 3,370 lbs. to 11,690 lbs. in Power Stroke

Press Type		361	362	365
Total stroke - Power stroke <sup>1)</sup>	mm	50-6, 100-12	50-6, 100-12	50-6, 100-12
Nominal force at 87 psi	lbs	3,370	6,745	11,690
Process data acquisition				
Stroke	inch/inc	0.0002	0.0002	0.0002
Force	lbs/inc	2.25	5.62	11.24
Throat depth	C inch	5.15	6.29	6.29
Throat depth frame O		5.94		
Fixture mounting plate suitable for throat depth frame		O		
Ram bore	Ø mm	20H7	20H7	20H7
External ram dimensions	G x H Ø inch	2.75 x 1.96	3.54 x 2.36	3.54 x 2.36
Working height	F			
Frame No. 301	inch	6.29 - 15.74		
Frame No. 301-500 O	inch	12.20 - 19.68		
Frame No. 329	inch		5.11 - 11.81	5.11 - 11.81
Frame No. 329-460 O	inch		7.48 - 18.11	7.48 - 18.11
Weight (standard)	approx. lbs	375	705	730

Frame Overview	Press Type	Frame Height M (inch)	Table Size B x T (inch)	Table Bore Ø (mm)	Table Height K (inch)	Mounting Surface B x L (inch)
No. 301	361	32.67	9.84 x 7.87	40H7	5.70	9.84 x 18.11
No. 301-500 O	361	38.97	9.84 x 7.87	40H7	5.70	9.84 x 18.89
Special fixture mounting plate with 3 longitudinal slots O			11.81 x 8.66 15.74 x 9.05	40H7		
No. 329	362, 365	31.88	11.81 x 9.05	40H7	5.78	11.81 x 21.65
No. 329-460 O	362, 365	38.97	11.81 x 9.05	40H7	5.78	11.81 x 24.40
Special fixture mounting plate with 3 longitudinal slots O			15.74 x 11.02 19.68 x 11.02	40H7		

## Options

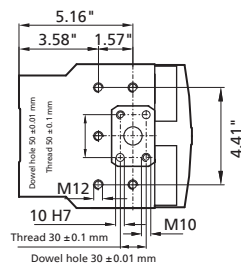
O Additional charges apply

<sup>1)</sup> Special models total stroke/power stroke on request

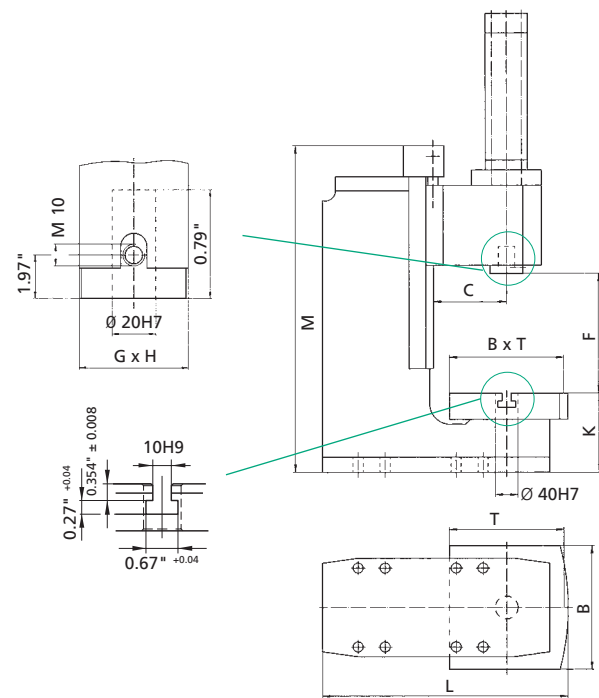
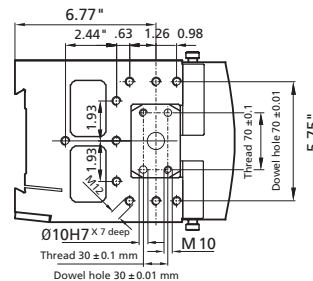
## Bottom View of the Press Head

Mounting drill pattern flange/ram

### Press Type 361



### Press Type 362/365



Please consult our Sales Department or Representative.  
Detailed dimensional drawings can be downloaded: [www.schmidtpresses.com](http://www.schmidtpresses.com)

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- Precision bilaterally adjustable, play-free gibs, precision ground bore for tool location. No die-set required

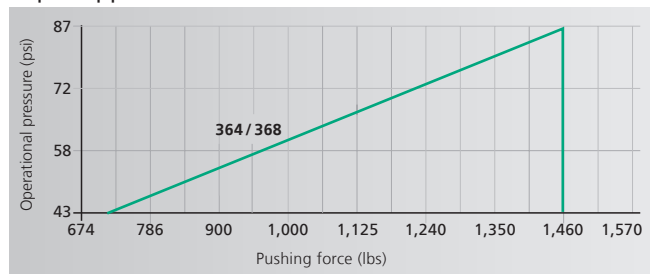


Press Type 364

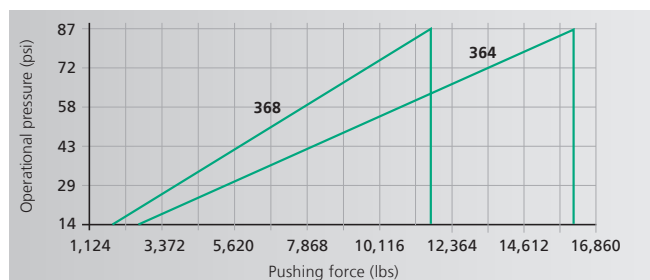


Press Type 368

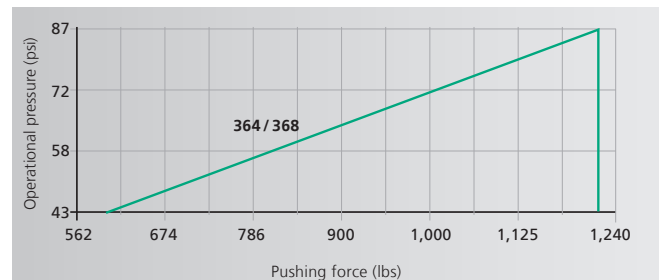
### Rapid Approach Stroke



### Power Stroke



### Return Stroke



From 72 kN to 100 kN / 16,185 lbs. to 22,480 lbs. in Power Stroke

Press Type		364	368
Total stroke - Power stroke <sup>1)</sup>	mm	50-6, 100-12	50-6, 100-12
Nominal force at 87 psi	lbs	22,480	16,185
Process data acquisition			
Stroke	inch/inc	0.0002	0.0002
Force	lbs/inc	14.05	11.24
Throat depth	C inch	6.29	6.29
Ram bore	E Ø mm	25H7	20H7
External ram dimensions	G x H Ø inch	3.54 x 2.36	3.54 x 2.36
Working height			
Frame No. 64	inch	7.08-13.77	
Frame No. 64-600 ○	inch	16.92-23.62	
Frame No. 68 <sup>2)</sup>	inch		0.31-11.81
Frame No. 68/5 <sup>2)</sup> ○	inch		7.48-18.11
Weight (standard)	approx. lbs	926	770

Frame Overview	Press Type	Frame Height M (inch)	Table Size B x T (inch)	Table Bore Ø (mm)	Table Height K (inch)	Mounting Surface B x L (inch)
No. 64	364	37.00	15.74 x 11.41	40H7	7.28	15.74 x 26.96
No. 64-600 ○	364	47.24	15.74 x 11.41	40H7	7.28	15.74 x 26.96
No. 68 <sup>2)</sup>	368	31.88	11.81 x 9.05	40H7	5.78	11.81 x 21.65
No. 68/5 <sup>2)</sup> ○	368	38.97	11.81 x 9.05	40H7	5.78	11.81 x 24.40
Special fixture mounting plate with 3 longitudinal slots ○			15.74 x 11.02 19.68 x 11.02	40H7		

## Options

○ Additional charges apply

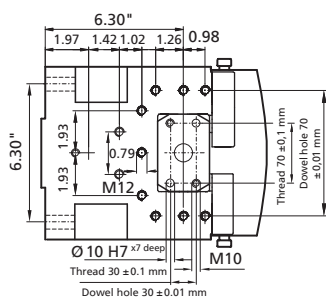
<sup>1)</sup> Special models total stroke/power stroke on request

<sup>2)</sup> Frame 68/5 required for 30 mm power stroke

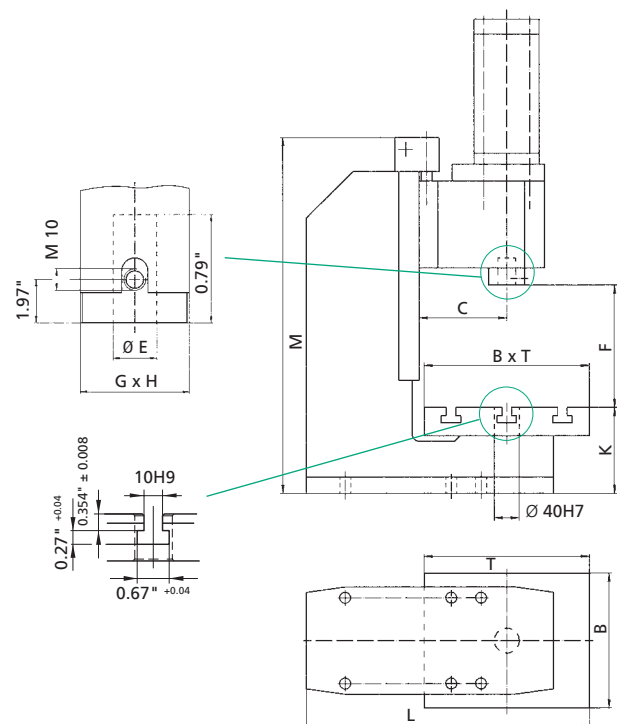
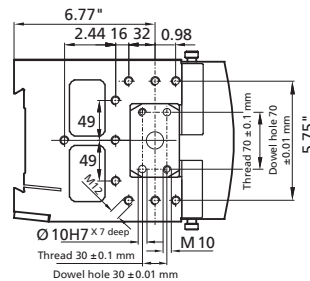
## Bottom View of the Press Head

Mounting drill pattern flange/ram

### Press type 364



### Press type 368



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