

SCHMIDT® HydroPneumaticPress

C-Frame Design

Features

- The C-Frame design offers full accessibility when manually placing and removing parts
- Easy adaptation to different tool and part heights because of simplistic height adjustment with angular gear
- Anti-rotational square ram with fully adjustable, Teflon lined gibs for precise travel. No die set required
- High precision due to long precise guides of the square ram

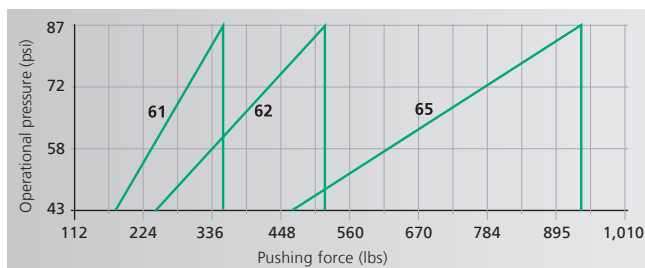


Press Type 61/62

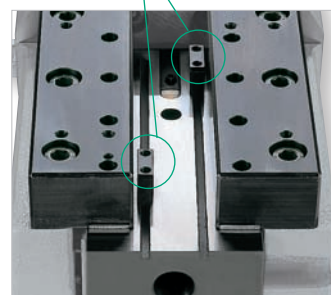
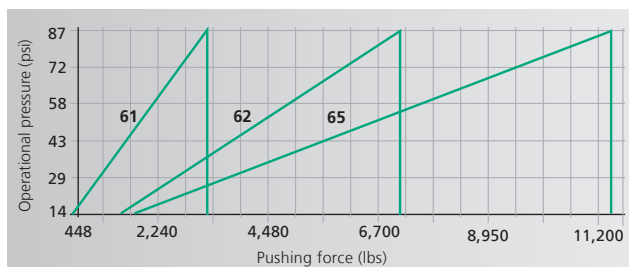


Press Type 65

Rapid Approach Stroke



Power Stroke

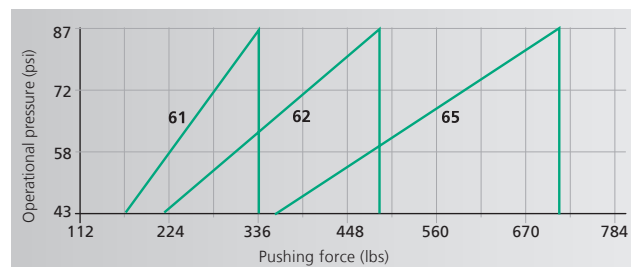


Adjustable switch target pieces for position detection via an inductive position sensor

Square Ram

with bilaterally adjustable, play-free gibs, precision machined bore with set screw for mounting of tooling. Some models feature additional provisions for tooling adaption.

Return Stroke



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

From 15 kN to 52 kN / 3,375 lbs. to 11,690 lbs. in Power Stroke

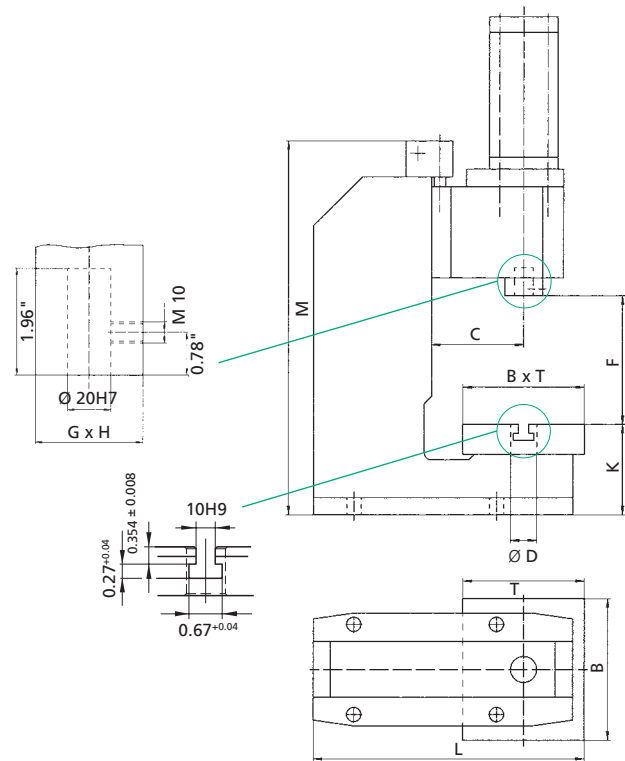
Press Type		61	62	65
Total stroke - Power stroke ¹⁾	mm	50-6, 100-12	50-6, 100-12	50-6, 100-12
Nominal force at 87 psi	lbs	3,375	6,745	11,690
Throat depth	C inch	5.15	5.15	6.29
Throat depth frame ϕ	inch	5.94	5.94	7.28
Fixture mounting plate suitable for throat depth frame		ϕ	ϕ	ϕ
Ram bore	ϕ mm	20H7	20H7	20H7
External ram dimensions	G x H ϕ inch	1.41 x 2.48	1.41 x 2.48	1.81 x 3.38
Working height	F			
Frame No. 34	inch	3.93-9.84	3.93-9.84	
Frame No. 301 ϕ	inch	6.29-15.74	6.29-15.74	
Frame No. 301-500 ϕ	inch	12.20-21.65	12.20-21.65	
Frame No. 35	inch			3.93-9.84
Frame No. 35-500 ϕ	inch			5.90-19.68
Frame No. 35-600 ϕ	inch			9.84-23.62
Weight (standard)	approx. lbs	210	240	350

Frame Overview	Press Type	Frame Height M (inch)	Table Size B x T (inch)	Table Bore ϕ (mm)	Table Height K (inch)	Mounting Surface B x L (inch)
No. 34	61, 62	24.80	5.90 x 4.33	25H7	4.37	7.87 x 14.56
No. 301	61, 62	32.67	6.29 x 15.74	40H7	5.70	9.84 x 18.11
No. 301-500	61, 62	38.97	12.20 x 21.65	40H7	5.70	9.84 x 18.89
Special fixture mounting plate with 3 longitudinal slots ϕ			11.81 x 8.66 15.74 x 9.05	40H7		
No. 35	65	27.55	11.81 x 8.66	40H7	5.55	11.81 x 18.89
No. 35-500	65	38.97	11.81 x 8.66	40H7	6.53	11.81 x 22.04
No. 35-600	65	43.70	11.81 x 8.66	40H7	6.53	11.81 x 23.03
Special fixture mounting plate with 3 longitudinal slots ϕ			13.97 x 8.85 15.74 x 11.02	40H7		

Options

ϕ Additional charges apply

¹⁾ Special models total stroke/power stroke on request



Please consult our Sales Department or Representative.
Detailed dimensional drawings can be downloaded: www.schmidtpresses.com

SCHMIDT® HydroPneumaticPress

C-Frame Design with Welded Press Frame

Features

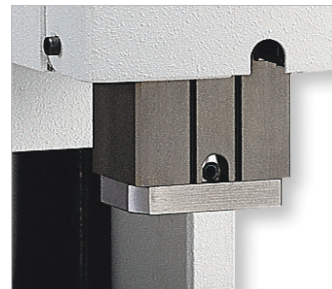
- The welded press frame offers highest stability
- Space-saving and compact due to separate working cylinder for Press No. 68



Press Type 68



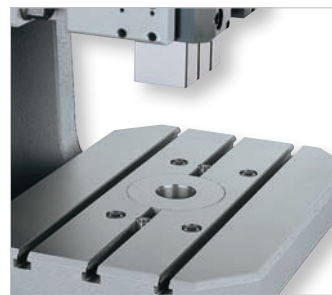
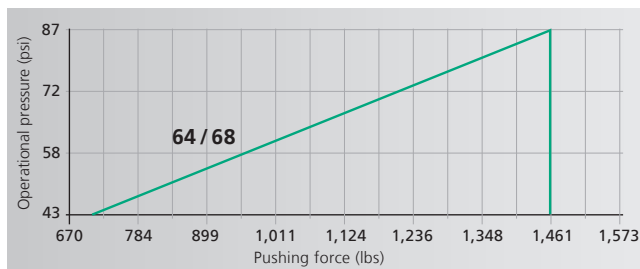
Press Type 64



Square Ram

with bilaterally adjustable, play-free gibs, precision machined bore with set screw for mounting of tooling. Some models feature additional provisions for tooling adaption.

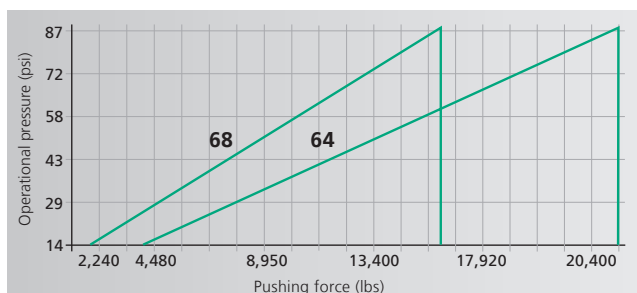
Rapid Approach Stroke



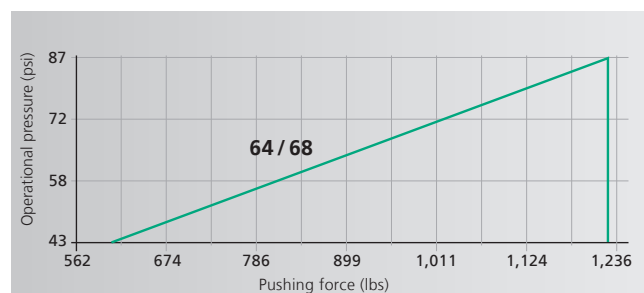
Fixture Mounting Plate (for Press No. 64)

with 3 T-slots and precision machined bore for tool location.

Power Stroke



Return Stroke



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

Press Type		64	68
Total stroke - Power stroke ¹⁾	mm	50-6, 100-12	50-6, 100-12
Nominal force at 87 psi	lbs	22,480	16,185
Throat depth	C inch	6.29	6.29
Ram bore	E Ø mm	25H7	20H7
External ram dimensions	G x H Ø inch	2.36 x 3.54	2.36 x 3.54
Working height			
Frame No. 64	inch	7.08-13.77	
Frame No. 64-600 ○	inch	16.92-23.62	
Frame No. 68 ²⁾	inch		5.11-11.81
Frame No. 68/5 ²⁾ ○	inch		7.48-18.11
Weight (standard)	approx. lbs	925	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	64	37.00	15.74 x 11.41	25H7	7.28	
No. 64-600 ○	64	47.24	15.74 x 11.41	40H7	7.28	15.74 x 11.41
No. 68 ²⁾	68	31.88	11.81 x 9.05	40H7	5.78	11.81 x 21.65
No. 68/5 ²⁾ ○	68	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

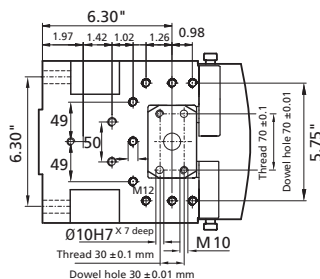
○ Additional charges apply

¹⁾ Special models total stroke/power stroke on request

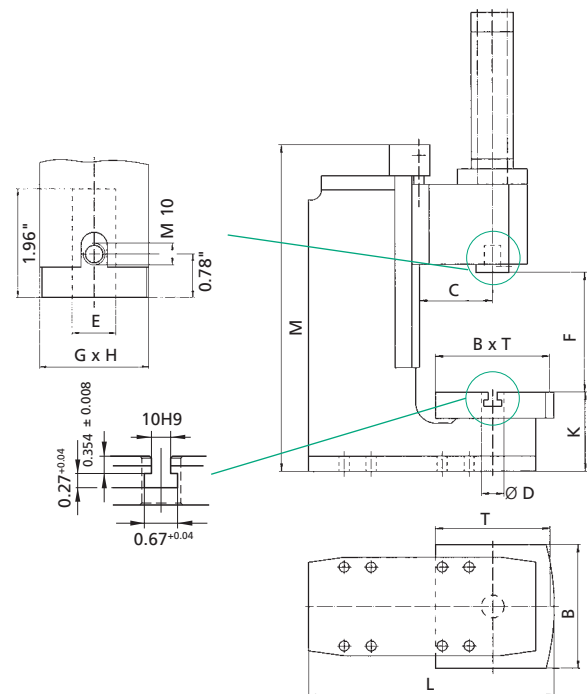
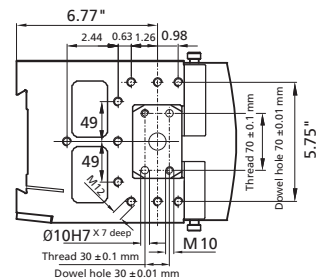
²⁾ Frame **68/5** required for 30 mm power stroke

Bottom View of the Press Head Mounting drill pattern flange/ram

Press Type 64



Press Type 68



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