

SCHMIDT® HydroPneumaticPress C-Frame Design



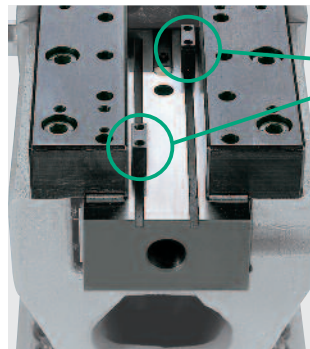
61 / 62



65

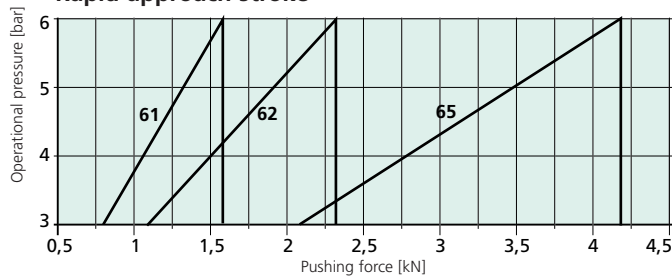
Features:

- The C-Frame design offers full accessibility when manually inserting 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.



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

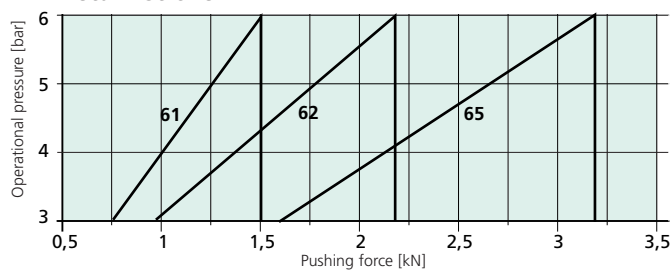
Rapid approach stroke



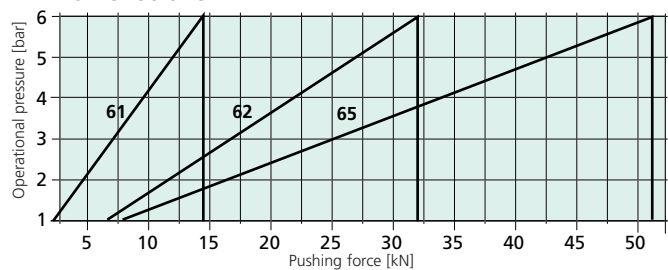
Square ram

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



Power stroke



From 15 kN to 52 kN 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 6 bar	kN	15	30	52
Throat depth	mm	131	131	160
Throat depth frame \bigcirc	mm	151	151	185
Fixture mounting plate suitable for throat depth frame		\bigcirc	\bigcirc	\bigcirc
Ram bore (with bushing)	\varnothing mm	20H7	20H7	20H7
External ram dimensions $G \times H$	mm	36 x 63	36 x 63	46 x 86
Front side ram drill pattern		\bigcirc	\bigcirc	\bigcirc
Working height	F			
Frame No. 34	mm	100 – 250	100 – 250	
Frame No. 301 \bigcirc	mm	160 – 400	160 – 400	
Frame No. 301-500 \bigcirc	mm	310 – 500	310 – 500	
Frame No. 35	mm			100 – 270
Frame No. 35-500 \bigcirc	mm			150 – 500
Frame No. 35-600 \bigcirc	mm			250 – 600
Weight (standard)	approx. kg	95	110	160

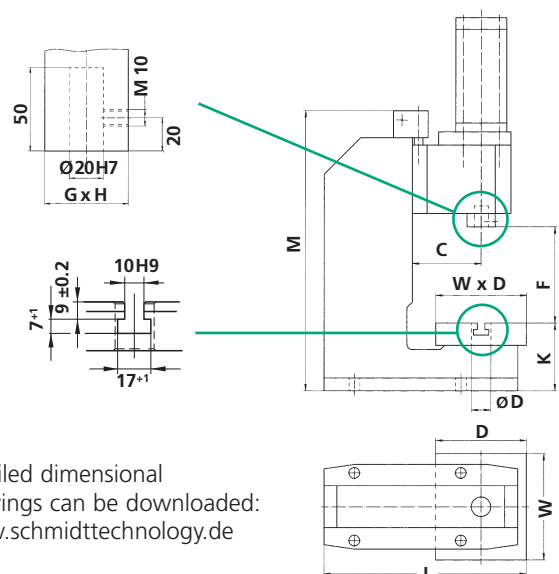
Frame overview						
Frame type	Press type	Frame height M	Table size W x D	Table bore	Table height K	Mounting surface W x L
No. 34	61, 62	630	200 x 160	\varnothing 25H7	111	200 x 370
No. 301	61, 62	830	250 x 200	40H7	145	250 x 460
No. 301-500	61, 62	990	250 x 200	40H7	145	250 x 480
Special fixture mounting platen with 3 longitudinal slots \bigcirc			300 x 220	40H7		
			400 x 230	40H7		
No. 35	65	700	300 x 220	40H7	141	300 x 480
No. 35-500	65	990	300 x 220	40H7	166	300 x 560
No. 35-600	65	1110	300 x 220	40H7	166	300 x 585
Special fixture mounting platen with 3 longitudinal slots \bigcirc			355 x 225	40H7		
			400 x 280	40H7		

Options

\bigcirc = Additional charge applies

¹⁾ = Special models total stroke / power stroke on request

Please consult our Sales Department or Representative.



Detailed dimensional drawings can be downloaded: www.schmidttechnology.de

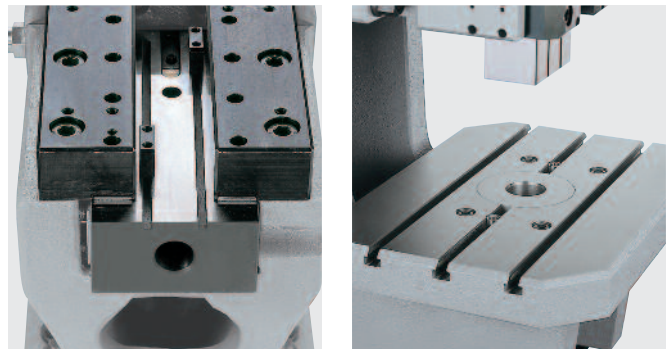
SCHMIDT® HydroPneumaticPress

Welded C-Frame Design

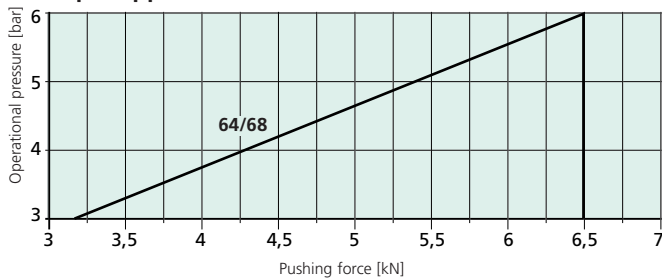


Features:

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



Rapid approach stroke



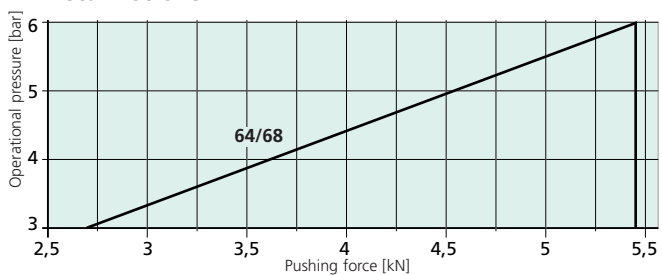
Square ram

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

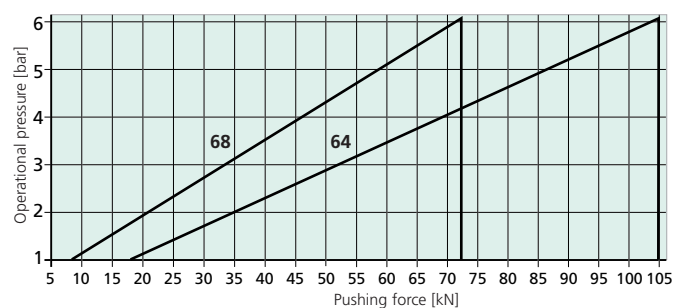
Fixture mounting plate

(for press No. 64) with 3 T-slots and precision-machined bore for tool location.

Return stroke



Power stroke



From 72 kN to 100 kN in power stroke

Press type		64	68
Total stroke – power stroke ¹⁾	mm	50-6, 100-12	50-6, 100-12
Nominal force at 6 bar	kN	100	72
Throat depth C	mm	160	160
Ram bore (with bushing) D	∅ mm	25H7	20H7
External ram dimensions G x H	mm	60 x 90	60 x 90
Working height F			
Frame No. 64	mm	180 – 350	
Frame No. 64-600 ○	mm	430 – 600	
Frame No. 68 ²⁾	mm		130 – 300
Frame No. 68/5 ²⁾ ○	mm		190 – 460
Weight (standard)	approx. kg	420	350

Frame overview						
Frame type	Press type	Frame height M	Table size W x D	Table bore	Table height K	Mounting surface W x L
		mm	mm	∅ mm	mm	mm
No. 64	64	940	400 x 290	40H7	185	
No. 64-600	64	1200	400 x 290	40H7	185	400 x 290
No. 68 ²⁾	68	810	300 x 230	40H7	147	300 x 550
No. 68/5 ²⁾	68	990	300 x 230	40H7	147	300 x 620
Special fixture mounting platen with 3 longitudinal slots ○			400 x 280 500 x 280	40H7 40H7		

Options

○ = Additional charge applies

¹⁾ = Special models total stroke / power stroke on request

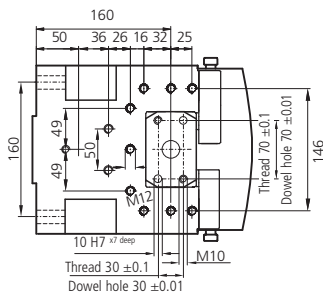
²⁾ = Frame 68/5 required for 30 mm power stroke

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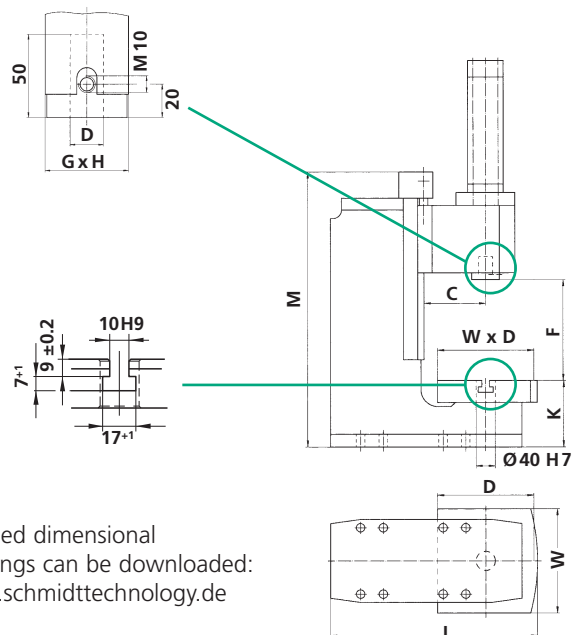
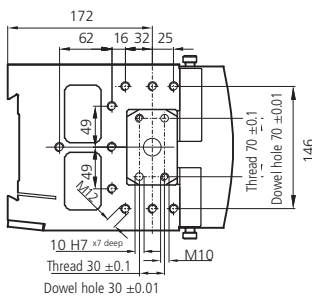
Bottom view of the press head

Mounting drill pattern flange / ram

64



68



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