

SCHMIDT® PneumaticPress

Pneumatic Toggle Presses with maximum force at the end of stroke

Characteristics

- Cross hole with locking screw in the press table for safe fixture of tool
- Accurate adjustable ram position via fine adjustment (type 33)
- T-slot with set screw in fixture mounting plate to secure bottom tool



Press Type 32



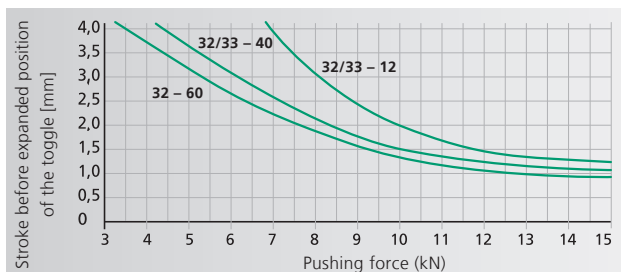
Press Type 33



Fine adjustment for press No. 33 with scale 1 division line = 0.02 mm.



Flexible stroke adjustment reduces the air consumption for shorter strokes.



Up to 15 kN

Press Type			32	33
Working stroke	A	mm	0-12 4-40 6-60	0-12 4-40
Nominal force at 6 bar		kN	15	15
Throat depth	C	mm	86	86
Throat depth frame \varnothing		mm	111, 131	111, 131
Additional fixture mounting plate suitable for throat depth frame			\varnothing	\varnothing
Ram bore	\varnothing	mm	20H7	20H7
External ram dimensions	\varnothing	mm	40	40
Fine adjustment				●
Working height ¹⁾	F			
Frame No. 3		mm	80 – 205	
Frame No. 5		mm	80 – 350	35 – 295
Frame No. 2-600 \varnothing		mm	200 – 575	155 – 520
Frame No. 2-1000 \varnothing		mm	330 – 1020	285 – 965
Weight		approx. kg	45	50

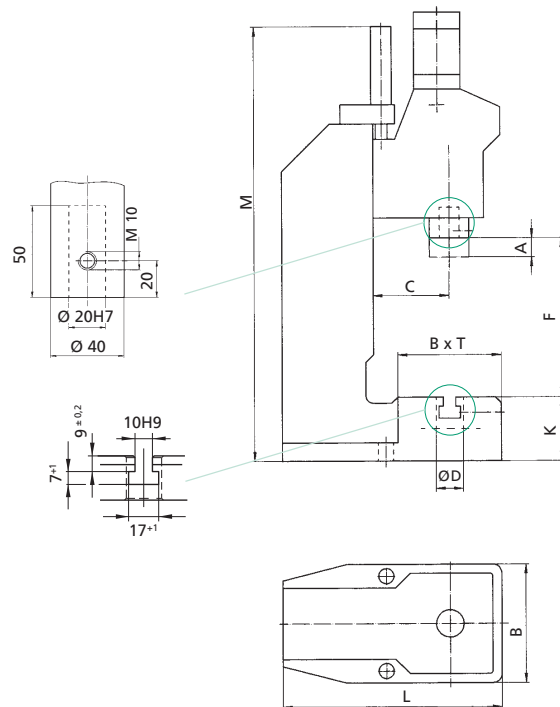
Frame Overview	Press Type	Frame Height M (mm)	Table Size B x T (mm)	Table Bore D \varnothing (mm)	Table Height K (mm)	Mounting Surface B x L (mm)
No. 3	32	540	150 x 110	20H7	60	150 x 260
No. 5	32, 33	536	185 x 110	20H7	60	185 x 280
Frame No. 2-600 \varnothing	32, 33	810	200 x 160	20H7	98	200 x 290
Frame No. 2-1000 \varnothing	32, 33	1248	200 x 160	20H7	98	200 x 290

Options

- Series standard with no additional charge
- Additional charge applies
- ¹⁾ Typical values; can vary ± 3 mm due to casting and production tolerances

Other available options

- Nickel plated – cast parts are electroless nickel plated, steel components black oxide finished, aluminum anodized, precision steel surfaces are untreated
- Custom Paint – press and column can be painted to customer's color specification
- Bores for adapting tooling – customer specific sizes can be supplied



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

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Characteristics

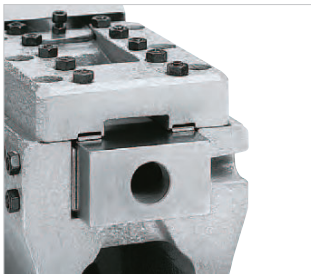
- Anti-rotational square ram with fully adjustable, Teflon lined gibs for precise travel, no die set required
- Exact positioning due to fine adjustment scale (1 division line = 0.05 mm)



Press Type 34



Press Type 36



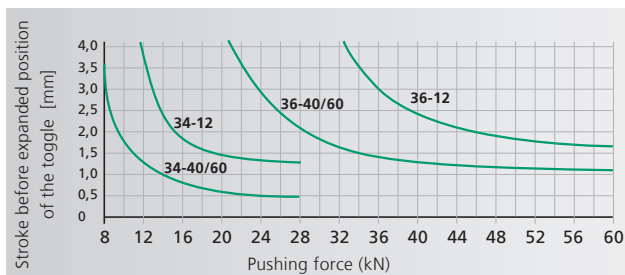
Square ram



Fine adjustment

Pushing Force Diagram

Operational pressure: 6 bar



From 28 kN to 60 kN

Press Type			34	36
Working stroke	A	mm	0-12	0-12
			4-40	4-40
			6-60	6-60
Nominal force at 6 bar		kN	28	60
Throat depth	C	mm	131	160
Throat depth frame ϕ		mm	151, 170	185
Fixture mounting plate suitable for throat depth frame			ϕ	ϕ
Ram bore	\emptyset	mm	20H7	20H7
External ram dimensions	G x H	mm	36 x 63	46 x 86
Working height ¹⁾	F			
Frame No. 34		mm	100-250	
Frame No. 301		mm	160-400	
Frame No. 301-500		mm	310-550	
Frame No. 35		mm		100-250
Frame No. 35-500		mm		150-500
Frame No. 35-600		mm		250-600
Weight		approx. kg	90	150

Frame Overview	Press Type	Frame Height M (mm)	Table Size B x T (mm)	Table Bore D \emptyset mm	Table Height K (mm)	Mounting Surface B x L (mm)
No. 34	34	630	200x160	25H7	111	200 x 370
No. 301	34	830	250x200	40H7	145	250 x 460
No. 301-500	34	990	250x200	40H7	145	250 x 480
Special fixture mounting plate with 3 longitudinal slots ϕ			300 x 220 400 x 230	40H7		
No. 35	36	700	300 x 220	40H7	141	300 x 480
No. 35-500	36	990	300 x 220	40H7	166	300 x 560
No. 35-600	36	1110	300 x 220	40H7	166	300 x 585
Special fixture mounting plate with 3 longitudinal slots ϕ			355 x 225 400 x 280	40H7		

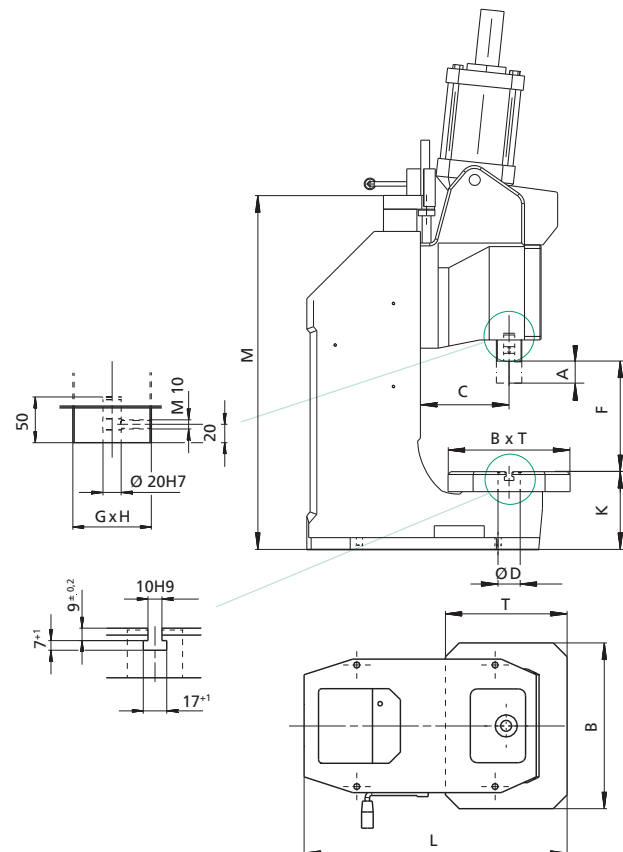
Options

ϕ Additional charge applies

¹⁾ Typical values; can vary ± 3 mm due to casting and production tolerances

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