SEP 12

SEP Series – Stamping presses for every application

SCHAAL
by Weil Technology



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04 2026

Technical Data

Press force	120 kN (available from 150 strokes/min)
Stroke rate	stepless up to 600 (800) strokes/min
Distance between table and ram (with clamping plate), largest stroke at the bottom, adjustment at the top	215 mm (max.)
Ram adjustment	40 mm
Ram stroke – adjustable	8 – 40 mm
Ram surface (L x W)	225 × 140 mm
Drilled hole in the ram	Ø 32 × 60 mm
Fitting groove in the ram	16 H7 mm
Table surface (L x W) Mould dimensions (L x W)	370 × 440 mm 330 × 340 mm
Clamping plate thickness	50 mm
Through-hole in the clamping plate (L x W)	240 × 120 mm
Through-hole in the table (L x W)	300/240 mm x 160 mm
Belt infeed above clamping surface	feed-dependent
Drive power	5,5 kW
Weight (without feed)	1800 kg
Dimensions (L x W x H)	940 × 740 × 1900 mm

Technical changes reserved.

Structure

- Press body in stable double-column monoblock design made of vibration-damping gray cast iron
- Eccentric shaft on roller bearings with adjustment stroke and rotating mass balance
- Air-cooled piston rod, mounted on the eccentric shaft with multi-row, heavy-duty caged roller bearings
- Press ram made of high-strength titanium alloyed cast Al, 4-fold backlash-free rolling bearing supported by linear roller bearings on hardened and ground guideways
- Press drive via frequency-controlled three-phase motor, flywheel and pneumatic clutch-brake combination
- Press sequence control in PLC technology
- Press control with cam controller, mould and press force monitoring
- Special/additional equipment possible at any time by technical arrangement
- The SEP 12 stamping press can be individually equipped with gripper or roller feeds pushing or pulling
- In the high-speed version, speeds of up to 800 strokes/min are also possible

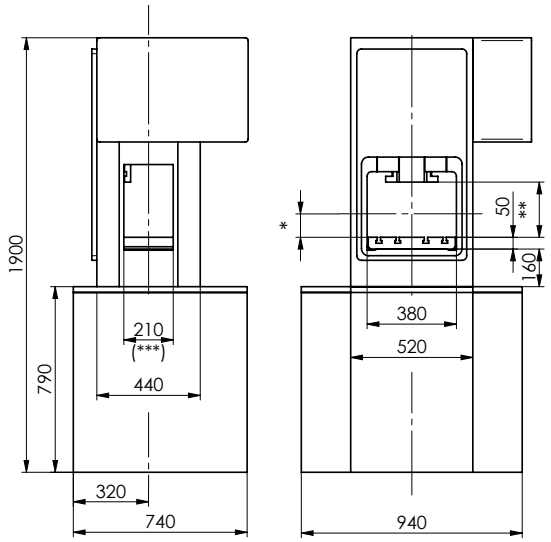
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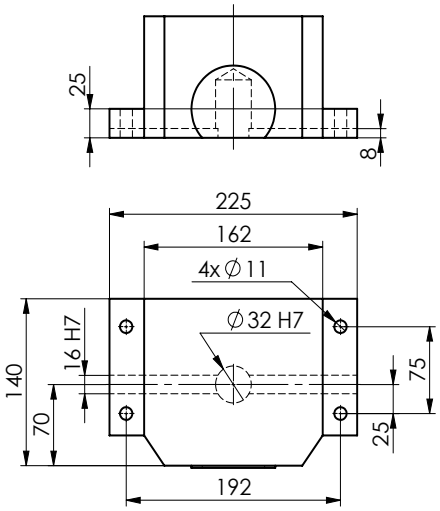
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Dimensions

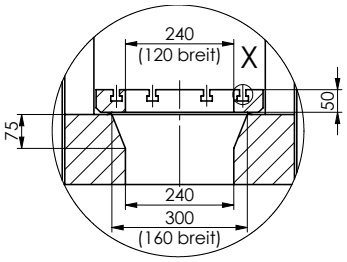


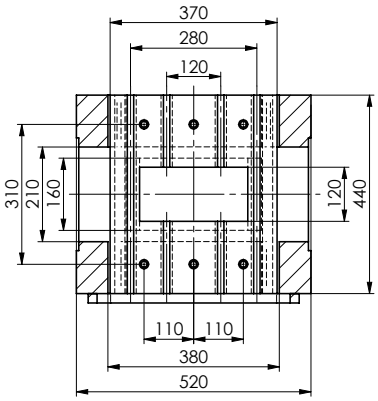
Ram Surface

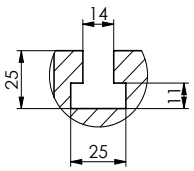


* Belt infeed height above clamping surface on request (feed-dependent)
** Mould installation height (see table)
*** The lateral passage on the press body is reduced to **160 mm** when a gripper feed is used (special widths on request)

Mould mounting surface







T-Nut DIN 650

Ram stroke in mm	Mould installation height min. – max.	Permissible stroke rate depending on ram stroke
8	191 – 231	600
13	188 – 228	550
20	185 – 225	500
28	181 – 221	450
34	178 – 216	400
38	176 – 216	380
40	175 – 215	350
mechanically adjustable	Installation height in mm for bottom ram stroke (BDC)	with maximum mould upper part weight of 40 kg