SEP 40S-810

SEP Series – Stamping presses for every application

SCHAAL
by Weil Technology

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02 2022

Technical Data

Press force	400 kN (available from 100 strokes/min)
Stroke rate	stepless up to 500 strokes/min
Distance between table and ram (with clamping bars), largest stroke at the bottom, adjustment at the top	250/275 mm (without ram plate)
Ram adjustment	80 mm
Ram stroke – adjustable	8 – 80 mm
Ram surface (L x W x H)	500 × 293 mm
Ram plate (L x W x H)	620 × 400 x 25 mm
Drilled hole in the ram	Ø 50 × 100 mm
Fitting groove in the ram	30 H7 mm
Table surface (L x W)	810 × 710 mm
Mould dimensions (L x W)	768 × 610 mm
Clamping bars thickness	80 mm
Through-hole in the clamping plate (L x W)	straight x 100 – 160 mm (adjustable)
Through-hole clamping bars (L x W)	640/520 × 200 mm
Belt infeed above clamping surface	feed-dependent
Drive power	18,5 kW
Weight (without feed)	6000 kg
Dimensions (L x W x H)	1700 × 1240 × 2550 mm

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, 6-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 40S-810 stamping press can be individually equipped with gripper or roller feeds pushing or pulling

Technical changes reserved.

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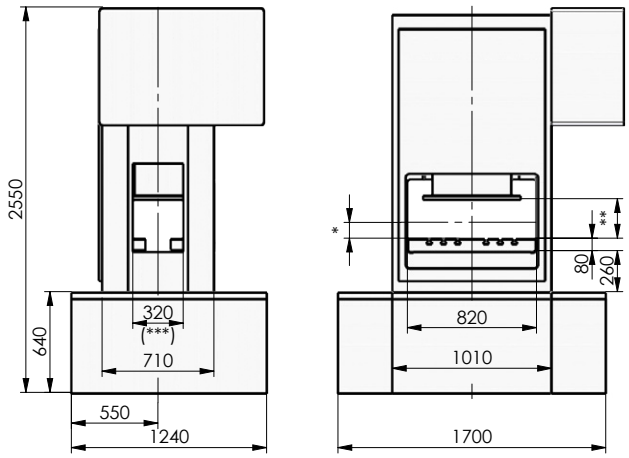
Dimensions

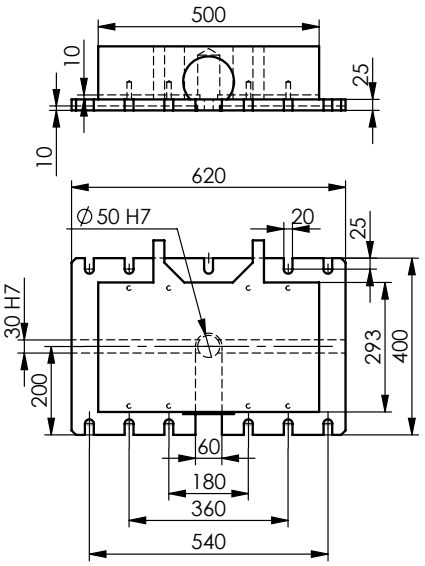


* Belt infeed height above clamping surface on request (feed-dependent)

** Mould installation height (see table)

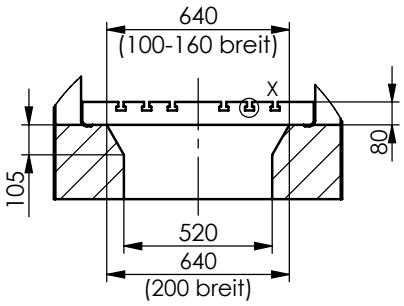
*** The lateral passage on the press body is reduced to **260 mm** when a gripper feed is used (special widths on request)

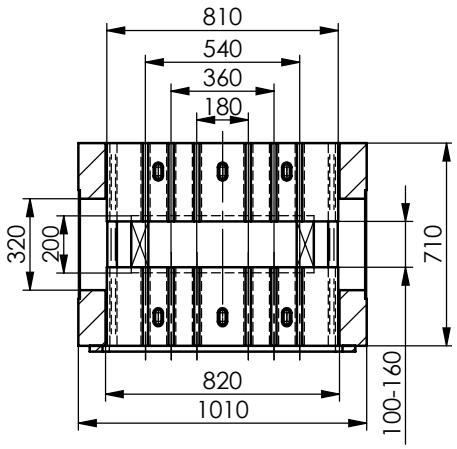
Ram Surface

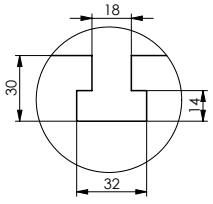


Ram stroke in mm	Mould installation height min. – max	Permissible stroke rate depending on ram stroke
8	206 – 286	500
10	205 – 285	480
16	202 – 282	460
22	199 – 279	380
28	196 – 276	340
35	193 – 273	300
40	190 – 270	290
46	187 – 267	270
52	184 – 264	260
57	182 – 262	250
62	179 – 259	240
66	177 – 257	230
70	175 – 255	220
73	174 – 254	210
75	173 – 253	200
77	172 – 252	190
78	171 – 251	180
79	171 – 251	160
80	170 – 250	140
mechanically adjustable	Installation height in mm for bottom ram stroke (BDC) with ram plate (without = plus 25 mm)	with maximum mould upper part weight of 120 kg

Mould mounting surface







T-Nut DIN 650