# SEP 40S-810

SEP Series – Stamping presses for every application

SCHAAL
by Weil Technology




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04 2026

## 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.

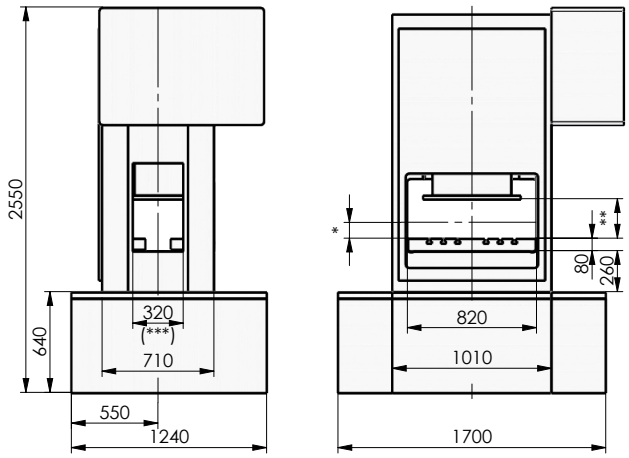
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## Dimensions

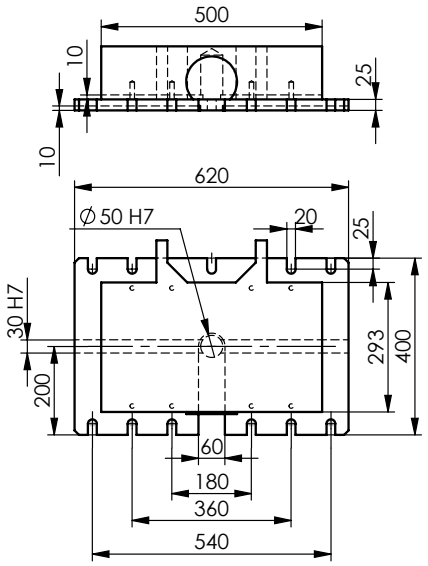



* Belt infeed height above clamping surface on request (feed-dependent)

** Mould installation height (see table)

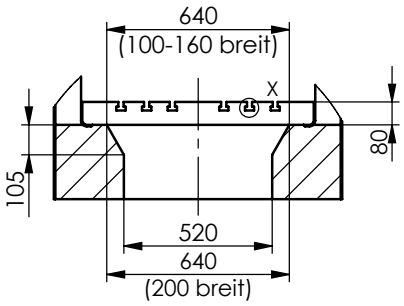
*** The lateral passage on the press body is reduced to **260 mm** when a gripper feed is used (special widths on request)

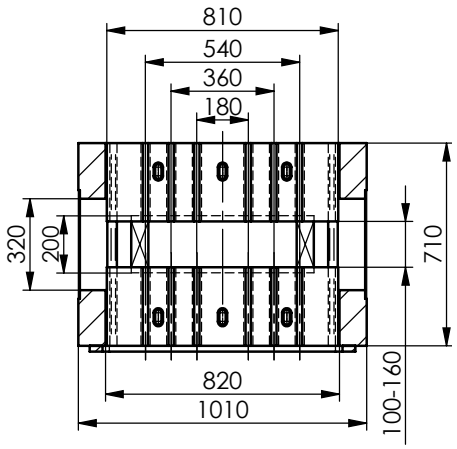
## Ram Surface

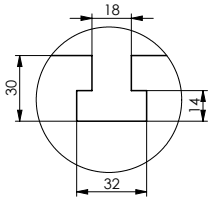



| Ram stroke in mm | Mould installation height min. – max | Permissible stroke rate depending on ram stroke |
|---|---|---|
| 8 | 206 – 286 | 500 |
| 10 | 205 – 285 | 480 |
| 16 | 202 – 282 | 460 |
| 22 | 199 – 279 | 380 |
| 28 | 196 – 276 | 340 |
| 35 | 193 – 273 | 300 |
| 40 | 190 – 270 | 290 |
| 46 | 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