SEP 80

SEP Series – Previous generation

SCHAAL
by Weil Technology

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04 2026

Technical Data

Press force	800 kN (available from 100 strokes/min)
Stroke rate	stepless up to 320 strokes/min
Distance between table and ram (with clamping bars), largest stroke at the bottom, adjustment at the top	310 with ram plate 355 without ram plate
Ram adjustment	80 mm
Ram stroke – adjustable	8 – 80 mm
Ram surface (L x W)	500 × 293 mm
Ram plate (L x W x H)	620 × 500 × 45 mm
Drilled hole in the ram	Ø 50 × 80 mm
Fitting groove in the ram	30 H7 mm
Table surface (L x W)	830 × 710 mm
Mould dimensions (L x W)	790 × 610 mm
Clamping bars thickness	80 mm
Through-hole clamping bars (L x W)	straight x 130 – 190 mm (adjustable)
Through-hole in the table (L x W)	640/520 × 200 mm
Belt infeed above clamping surface	feed-dependent
Drive power	22 kW
Weight (without feed)	8400 kg
Dimensions (L x W x H)	1820 × 1240 × 2800 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 and planetary gear
- 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 80 stamping press can be individually equipped with gripper or roller feeds pushing or pulling

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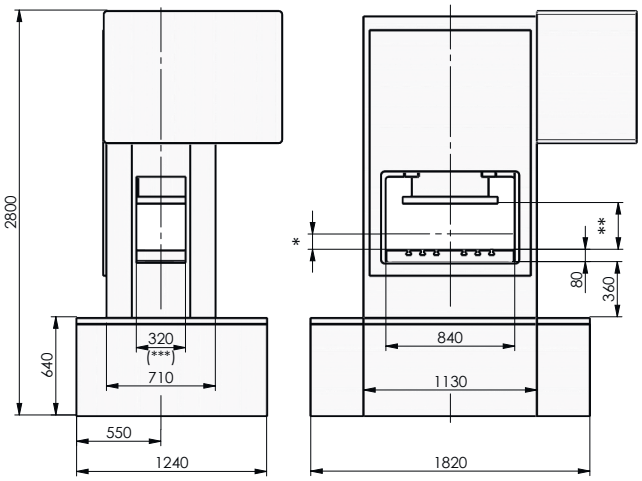
Dimensions

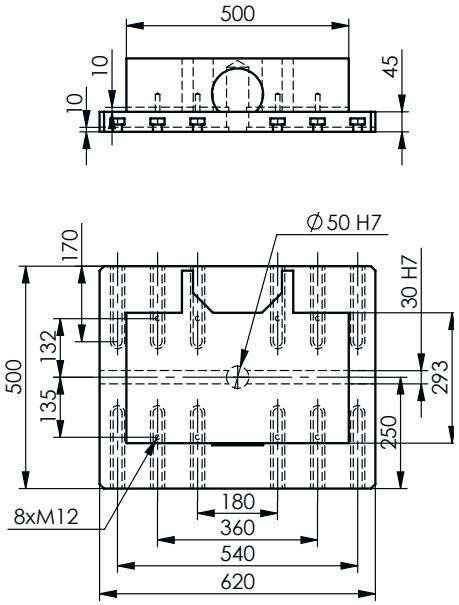


* Belt infeed height above clamping surface on request (feed-dependent)

** 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	266 – 346	320
10	265 – 345	315
16	262 – 342	310
22	259 – 339	300
28	256 – 336	270
35	253 – 333	250
40	250 – 330	230
46	247 – 327	215
52	244 – 324	200
57	242 – 322	190
62	239 – 319	180
66	237 – 317	170
70	235 – 315	160
73	234 – 314	150
75	233 – 313	140
77	232 – 312	130
78	231 – 311	125
79	231 – 311	120
80	230 – 310	115
mechanically adjustable	Installation height in mm for bottom ram stroke (BDC) with ram plate (without = plus 45 mm)	with maximum mould upper part weight of 320 kg

Mould mounting surface