SEP 80N

SEP Series – Stamping presses for every application

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	325/370 mm (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 × 100mm
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 80N stamping press can be individually equipped with gripper or roller feeds pushing or pulling

Technical changes reserved.

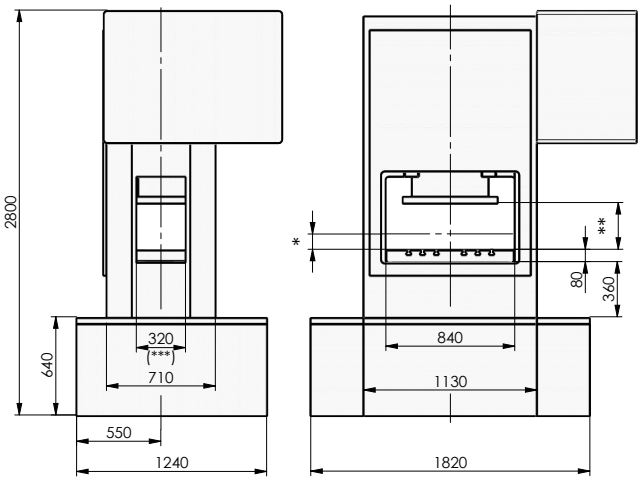
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Dimensions

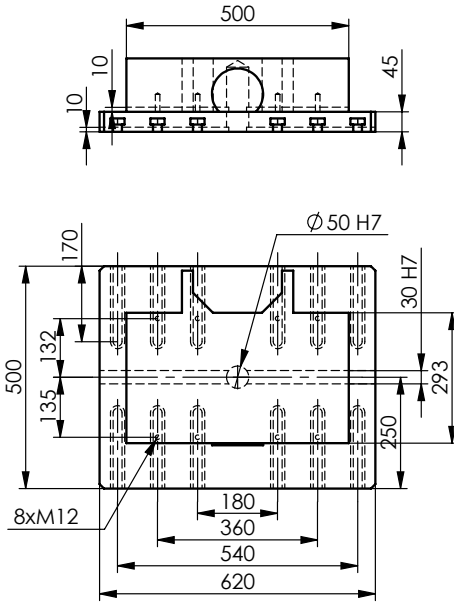


* Belt infeed height above clamping surface on request (feed-dependent)

** 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	281 – 361	320
10	280 – 360	315
16	277 – 357	310
22	274 – 354	300
28	271 – 351	270
35	268 – 348	250
40	265 – 345	230
46	262 – 342	215
52	259 – 339	200
57	257 – 337	190
62	254 – 334	180
66	252 – 332	170
70	250 – 330	160
73	249 – 329	150
75	248 – 328	140
77	247 – 327	130
78	246 – 326	125
79	246 – 326	120
80	245 – 325	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

