## 

SEP Series - Stamping presses for every application







#### **Technical Data**

Press force	1000 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	320 mm	
Ram adjustment	100 mm	
Ram stroke – adjustable	10 – 100 mm	
Ram plate (L x W x H)	960 × 600 × 50 mm	
Fitting groove in the ram	30 H7 mm	
Table surface (L x W)	1210 × 860 mm	
Mould dimensions (L x W)	1170 × 760 mm	
Clamping bars thickness	100 mm	
Through-hole clamping bars (L x W)	straight x 100 - 220 mm (adjustable)	
Through-hole in the table (L x W)	1000/880 × 260 mm	
Belt infeed above clamping surface	feed-dependent	
Drive power	22 kW	
Weight (without feed)	14000 kg	
Dimensions (L x W x H)	2290 × 1400 × 3000 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, 6-fold backlash-free rolling bearing supported by linear roller bearings on hardened and ground guideways
- Press drive via frequency-controlled threephase motor, flywheel and pneumatic clutch-brake combination and planetary
- 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 100 stamping press can be individually equipped with gripper or roller feeds pushing or pulling

### **SEP 100S**

SCHAAL by Weil Technology

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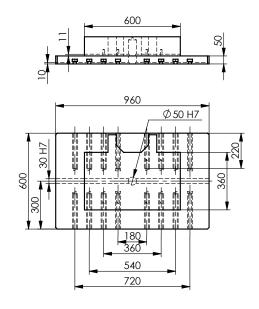
#### **Dimensions**

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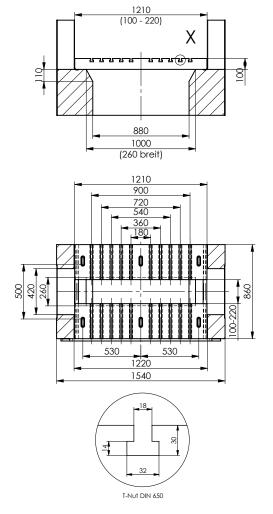
- Belt infeed height above clamping surface on request (feed-dependent)
- \*\* Mould installation height (see table)
- \*\*\* The lateral passage on the press body is reduced to **260 mm** when a gripper feed is used (special widths on request)

Ram stroke in mm	Mould installation height min max	Permissible stroke rate depending on ram stroke
10	265 - 365	320
13	263 - 363	315
20	260 - 360	310
27	256 - 356	300
35	252 - 352	270
43	248 - 348	250
50	245 - 345	230
58	241 - 341	215
64	238 - 338	200
71	234 - 334	190
77	231 - 331	185
82	229 - 329	180
86	227 - 327	170
90	225 - 325	155
94	223 - 323	140
96	222 - 322	130
99	221 - 321	115
100	220 - 320	110
mechanically adjustable	Installation height in mm for bottom ram stroke (BDC) with ram plate (without = plus 50 mm)	with maximum mould upper part weight of 380 kg

#### **Ram Surface**



#### Mould mounting surface



**Realizing fascinating solutions**