TOGGLE PRESSES
MANUAL, PNEUMATIC & RACK
AND PINION
TOGGLE HAND PRESSES

TOGGLE HAND PRESS
MODEL P600PR

Type: Bench mounted manual toggle press.
Nominal holding force: 600 daN.
Weight: 3.60 kg.
Quality Features:
- S.G. Iron framecasting.
- Precision ground steel plunger.
- Fixed height work head.

With 14 daN handle force the output force is: daN
- Fully retracted: 470
- 5 mm extended: 110
- 10 mm: 70
- 15 mm: 75
- 20 mm: 80
- 25 mm: 85
- 30 mm: 146
- 31 mm: 190
- Fully extended: 580

TOGGLE HAND PRESS
MODEL P1200PR

Type: Bench mounted manual toggle press.
Nominal holding force: 1200 daN.
Weight: 7.35 kg.
Quality Features:
- S.G. Iron framecasting.
- Precision ground steel plunger.
- Fixed height work head.

With 15 daN handle force the output force is: daN
- Fully retracted: 705
- 5 mm extended: 167
- 10 mm: 90
- 15 mm: 73
- 20 mm: 70
- 25 mm: 72
- 30 mm: 85
- 35 mm: 100
- 40 mm: 110
- 45 mm: 150
- 48 mm: 220
- 49 mm: 290
- Fully extended: 930

All toggle presses achieve their maximum force at the end of the stroke. Therefore Brauer toggle presses are best employed where the full force of the press is only used over a short length at the end of the working stroke; e.g. when punching, riveting, embossing, glueing, etc.
TOGGLE HAND PRESSES

MODEL P2500PR

Type: Bench mounted manual toggle press.
Nominal holding force: 2500 daN.
Weight: 15.50 kg.
Quality Features:
- S.G. Iron frame casting.
- Precision ground steel plunger.
- Fixed height work head.

With 17 daN handle force the output force is:
- Fully retracted 1000 daN
- 10 mm extended 100 daN
- 20 mm extended 72 daN
- 30 mm extended 60 daN
- 40 mm extended 70 daN
- 50 mm extended 88 daN
- 60 mm extended 118 daN
- 70 mm extended 190 daN
- 72 mm extended 230 daN
- 74 mm extended 353 daN
- Fully extended 1100 daN

TOGGLE HAND PRESSES

MODEL TPR 1

Type: Bench mounted toggle press
Nominal holding force: 500 daN
Weight: 10 kg.
Quality Features:
- Hardened, ground ram.
- Long-design, honed ram.
- Ground table, with T-slot.
- Adjustable working head height.

With 13 daN handle force the output force is:
- Fully retracted 48 daN
- 5 mm extended 45 daN
- 10 mm extended 42 daN
- 15 mm extended 42 daN
- 20 mm extended 45 daN
- 25 mm extended 49 daN
- 30 mm extended 54 daN
- 35 mm extended 75 daN
- 38 mm extended 102 daN
- 39 mm extended 143 daN
- Fully extended 500 daN

Optional Extras: please mention when ordering
- Table Bore 10° mm TB
- Locking Device VS
- Stroke Counter Z

Alternate handle position
Handle opens through 185°
TOGGLE HAND PRESSES
MODEL TPR 2

With 15 daN handle force the output force is:
- Fully retracted: 76 daN
- 5 mm extended: 74 daN
- 10 mm: 65 daN
- 15 mm: 65 daN
- 20 mm: 72 daN
- 25 mm: 80 daN
- 30 mm: 98 daN
- 35 mm: 125 daN
- 38 mm: 200 daN
- 39 mm: 255 daN
- Fully extended: 750 daN

Optional Extras: please mention when ordering
- Table Bore 12 mm: TB
- Locking Device: VS
- Stroke Counter: Z

Type: Bench mounted toggle press
Nominal holding force: 750 daN
Weight: 19 kg
Quality Features:
- hardened, ground ram.
- long-design, honed ram.
- ground table, with T-slot.
- adjustable working head height.

TOGGLE HAND PRESSES
MODEL TPR 3

The extra powerful hand toggle presses in the TPR 3 series are especially suited to the often changing demands found in tool making and general workshops. Their high capacity up to 15 kN allow for flexible use in various applications.

With 20 daN handle force the output force is:
- Fully retracted: 145 daN
- 5 mm extended: 135 daN
- 10 mm: 130 daN
- 15 mm: 130 daN
- 20 mm: 130 daN
- 25 mm: 140 daN
- 30 mm: 160 daN
- 35 mm: 230 daN
- 38 mm: 325 daN
- 39 mm: 440 daN
- Fully extended: 1400 daN

Optional Extras: please mention when ordering
- Table Bore 12 mm: TB
- Stroke Counter: Z

Type: Bench mounted toggle press
Nominal holding force: 1400 daN
Weight: 39 kg
Quality Features:
- hardened, ground ram.
- long-design, honed ram.
- ground table, with T-slot.
- adjustable working head height.
TOGGLE HAND PRESSES

MODEL RPP 1

With 18 daN handle force the output force is 150 daN
Capacity kN 1.5
kgf 150
Working Stroke mm 40
Clearance mm 63
Daylight mm 54-178
Table Size mm 100x65
T-Slot width to DIN 650 mm 10
Ram Bore Øx depth mm 10\(^\circ\)x25
Ram Ø mm 20
Space required mm 110x160
Weight kg 8.5

Optional Extras: please mention when ordering
Table Bore 12\(\Omega\) mm TB
Micrometer Screw Gauge MICRO
Stroke Counter Z

Type:
Bench mounted rack and pinion press
Quality Features:
● anti-twist ram.
● stroke adjustment by means of adjustment screw, or micrometer screw.
● hand lever adjustable through 360°.
● long, honed ram guide.
● ground table, with T-slot.

TOGGLE HAND PRESSES

MODEL RPP 2

With 20 daN handle force the output force is 150 daN
Capacity kN 2.5
kgf 250
Working Stroke mm 50
Clearance mm 80
Daylight mm 46-242
Table Size mm 155x115
T-Slot width to DIN 650 mm 12
Ram Bore Øx depth mm 10\(^\circ\)x25
Ram Ø mm 20
Space required mm 155x220
Weight kg 21

Optional Extras: please mention when ordering
Table Bore 12\(\Omega\) mm TB
Micrometer Screw Gauge MICRO
Stroke Counter Z

Type:
Bench mounted rack and pinion press
Quality Features:
● anti-twist ram.
● stroke adjustment by means of adjustment screw, or micrometer screw.
● hand lever adjustable through 360°.
● long, honed ram guide.
● ground table, with T-slot.

All Brauer rack and pinion presses apply their pressing force constantly throughout the entire working stroke. The direct transmission of force through the lever allows the operator to sense the load being applied. The optional micrometer stop for stroke adjustment allows high precision work.
PNEUMATIC PRESSES

DIRECT ACTING PNEUMATIC PRESS
MODEL PNDP 1

Capacity at 6 bar | kN | 2.5
Working Stroke | mm | 40
Clearance | mm | 80
Daylight | mm | 95-265
Table Size | mm | 208x48
T-Slot width to DIN 650 | mm | 12
Ram Bore x depth | mm | 12x25
Ram Ø | mm | 24
Space required | mm | 155x220
Port Size | R 1/4" |
Air Consumption/cm
Stroke | l | 0.6
Weight | kg | 18.5

Quality Features:
● anti-twist ram.
● stroke adjustable through a length of 30 mm to an accuracy of 0.05 mm.
● long, honed ram guide.
● ground table, with T-slot.

With 6 bar air supply pressure the output force is:
- Fully retracted | daN |
- 5 mm extended | 110 |
- 10 mm | 120 |
- 15 mm | 130 |
- 20 mm | 140 |
- 25 mm | 155 |
- 30 mm | 170 |
- 33 mm | 220 |
- 34 mm | 290 |
- 36 mm | 360 |
- Fully extended | 600 |
Air Consumption/cm
Stroke | l | 0.26
Weight | kg | 22

Quality Features:
● the working height of the press head is easily set by means of the height mechanism on all pneumatic toggle action presses.
● hardened, ground ram.
● ground table, with T-slot.
PNEUMATIC TOGGLE PRESS
MODEL P600XPR

With 6 bar air supply pressure the output force is:

<table>
<thead>
<tr>
<th>Stroke (mm)</th>
<th>Force (daN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully retracted</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>10</td>
<td>43</td>
</tr>
<tr>
<td>15</td>
<td>65</td>
</tr>
<tr>
<td>20</td>
<td>87</td>
</tr>
<tr>
<td>22</td>
<td>100</td>
</tr>
<tr>
<td>24</td>
<td>150</td>
</tr>
<tr>
<td>Fully extended</td>
<td>253</td>
</tr>
</tbody>
</table>

Type: Bench mounted pneumatic toggle press.
Nominal holding force: 600 daN.
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. @ 6 bar: 60
Swept volume per cycle: 0.09 L (5.49 cu. in)
For stroke sensing order SK/3 Sensing Kit
Weight: 5.25 kg.

PNEUMATIC TOGGLE PRESS
MODEL P1200XPR

With 6 bar air supply pressure the output force is:

<table>
<thead>
<tr>
<th>Stroke (mm)</th>
<th>Force (daN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully retracted</td>
<td>110</td>
</tr>
<tr>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>10</td>
<td>140</td>
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<td>15</td>
<td>165</td>
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<td>20</td>
<td>195</td>
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<td>25</td>
<td>230</td>
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<tr>
<td>27</td>
<td>255</td>
</tr>
<tr>
<td>29</td>
<td>300</td>
</tr>
<tr>
<td>31</td>
<td>430</td>
</tr>
<tr>
<td>Fully extended</td>
<td>1150</td>
</tr>
</tbody>
</table>

Type: Bench mounted pneumatic toggle press.
Nominal holding force: 1200 daN.
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. @ 6 bar: 50
Swept volume per cycle: 0.28 L (16.80 cu. in)
For stroke sensing order SK/4 Sensing Kit
Weight: 9.85 kg.
**PNEUMATIC PRESSES**

**PNEUMATIC TOGGLE PRESS**

**MODEL P2500XPR**

With 6 bar air supply pressure the output force is:

- **Fully retracted**: 130 daN
- **5 mm extended**: 140 daN
- **10 mm**: 160 daN
- **15 mm**: 175 daN
- **20 mm**: 200 daN
- **25 mm**: 210 daN
- **30 mm**: 245 daN
- **35 mm**: 265 daN
- **40 mm**: 325 daN
- **45 mm**: 420 daN
- **47 mm**: 490 daN
- **49 mm**: 700 daN
- **Fully extended**: 1450 daN

**Type:**
Bench mounted pneumatic toggle press.

**Nominal holding force:**
2500 daN.

**Operating pressure range:**
2-6 bar (30-88 p.s.i.g.)

**Max. cycles/min. @ 6 bar:**
45

**Swept volume per cycle:**
0.6 L (36.6 cu. in)

For stroke sensing order SK/5

**Sensing Kit**

**Weight:**
19.05 kg.