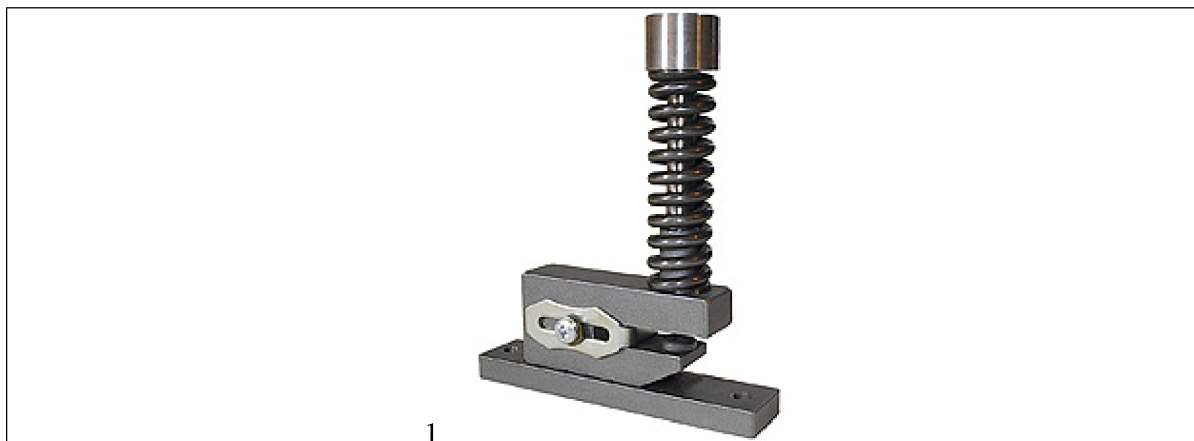


MANUAL PUNCHERS



1.

***PRESS BRAKE PUNCHER JUNIOR
TD 25 101***

These punches can be mounted in parallel on a common base plate. Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

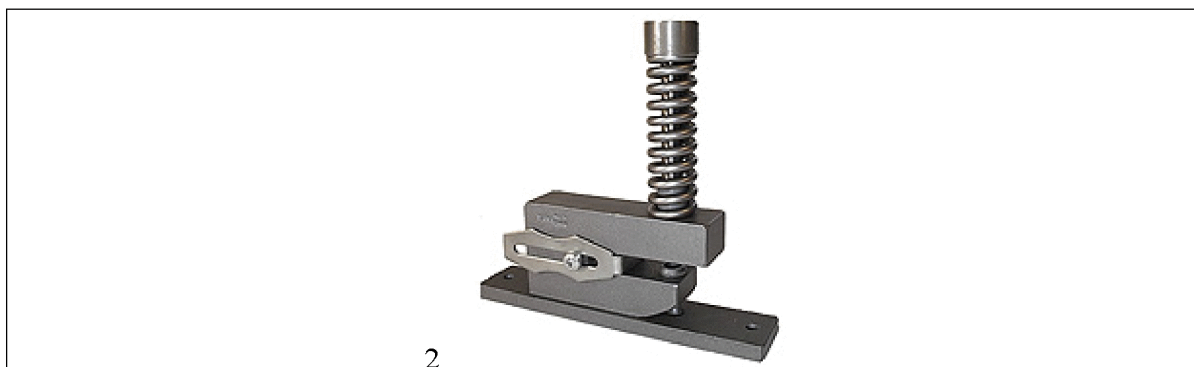
Capability in 2.0 mm standard mild steel ----- $\varnothing$ 8 mm

Throat depth -----30 mm

Overall height -----138 mm

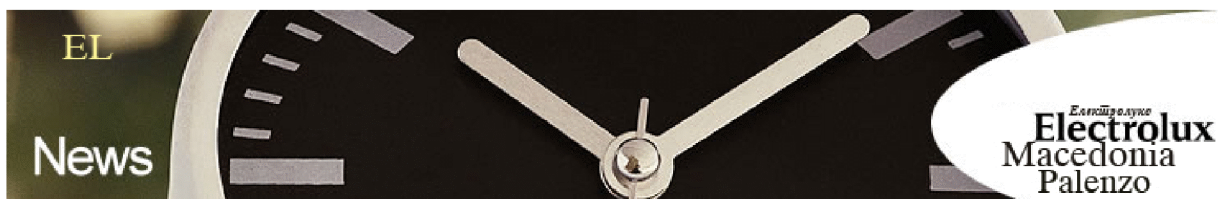
Overall width -----25 mm

Weight -----0,8 kg



2.

***PRESS BRAKE PUNCHER SENIOR
TU 15 102***



These punches can be mounted in parallel on a common base plate. Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

Capability in 2.0 mm standard mild steel ----- $\varnothing$ 8 mm

Throat depth -----40 mm

Overall height -----146 mm

Overall width -----30 mm

Weight -----1,2 kg



3.

***PUNCHER SENIOR
12 101***

Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel ----- $\varnothing$ 8 mm

Throat depth -----40 mm

Overall width -----40 mm

Overall length -----380 mm

Weight -----1,5 kg



4.

***DUAL PUNCHER FOR NUMBER PLATES
TO 12 601***

Twin punches mounted on a common base plate which contains a millimeter scale for adjusting distance between whole centers. Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

Capability in 1.25 mm standard mild steel ----- $\varnothing$ 8 mm

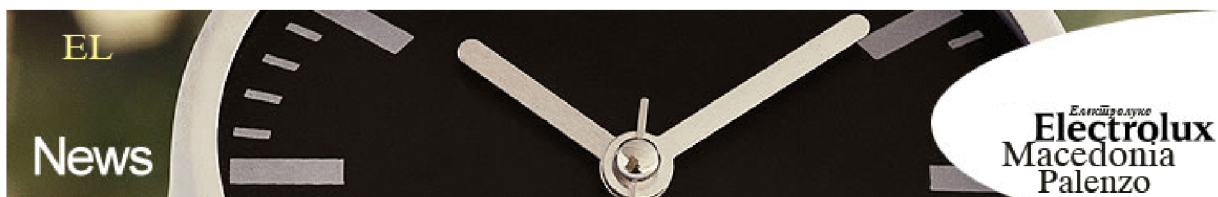
Throat depth -----60 mm

Weight -----10 kg



5.

***PUNCHER FOR HEAVY DUTY WORK
11 203***



The ideal machine for punching holes up to $\varnothing$ 10 mm. Available with punches and dies from 2-10 mm, in 1/10 mm graduations. Non-circular cross-section punches, e.g. square, oval, also available.

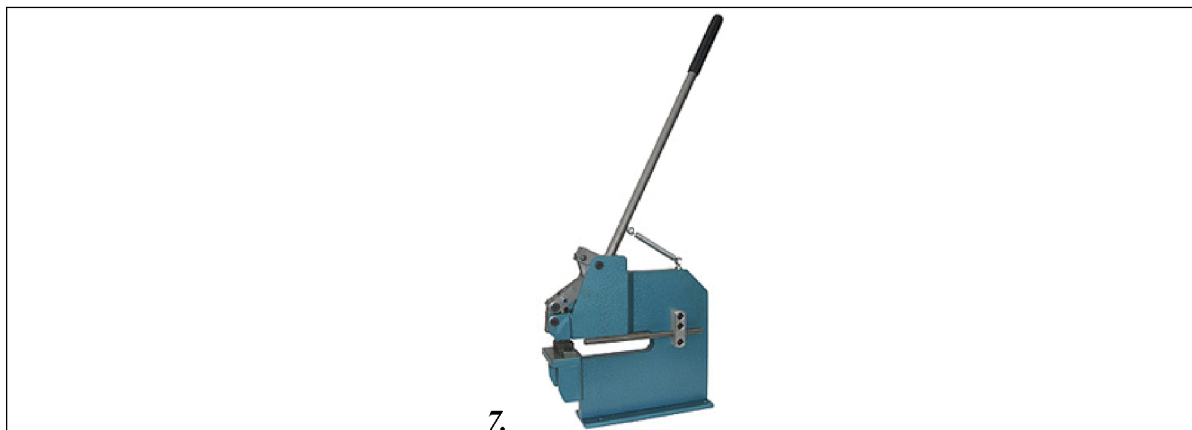
Capability in 3 mm standard mild steel ----- $\varnothing$ 10 mm
 Throat depth -----40 mm
 Overall height -----700 mm
 Overall width -----80 mm
 Punching force -----2000 kg
 Overall length -----200 mm
 Weight -----7,5 kg



PUNCHER
12 102

Available with punches and dies from 2-8 mm, in 1/10 mm graduations. Non-circular cross-section punches, e.g. square, oval, also available. These punches can be mounted in parallel on a common base plate. Suitable for small batch quantities.

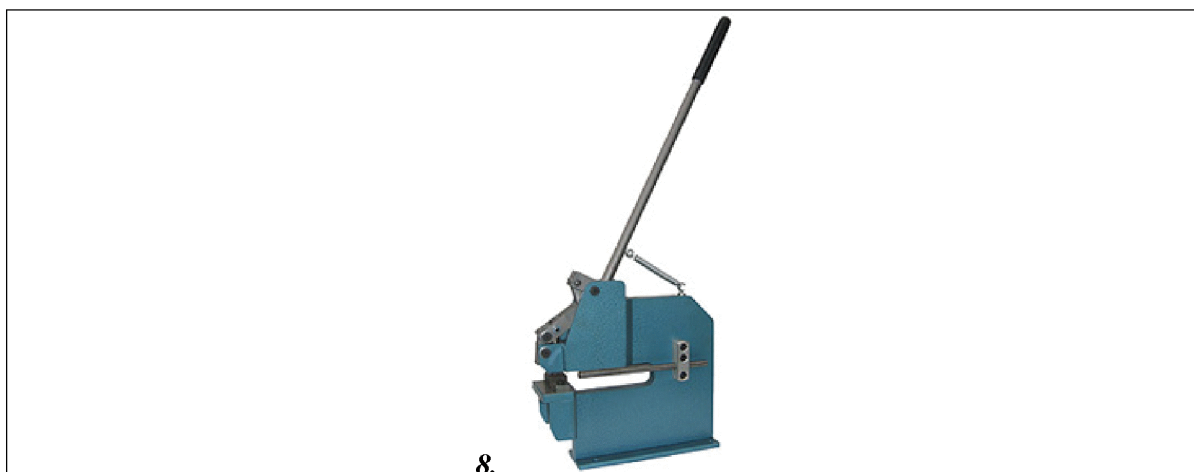
Capability in 1.5 mm standard mild steel ----- $\varnothing$ 8 mm
 Throat depth -----150 mm
 Overall width -----40 mm
 Weight -----7 kg



BENCH MOUNTED MANUAL PUNCHER
11 405

The ideal machine for small batch quantities. The accurate punch-guide system allows the use of oval, square, or other non-circular cross-section tools. A small but effective machine. Standard tools from 2-18 mm, in 1/10 mm graduations.

Capability in 2.0 mm standard mild steel ----- $\varnothing$ 18 mm
Throat depth -----180 mm
Overall height -----1000 mm
Overall width -----100 mm
Overall length -----340 mm
Weight -----24 kg



BENCH MOUNTED MANUAL PUNCHER
11 801

The ideal machine for small batch quantities. The accurate punch-guide system allows the use of oval, square, or other non-circular cross-section tools. A small but effective machine.

Standard tools from 2-18 mm, in 1/10 mm graduations.

Capability in 2.0 mm standard mild steel ----- $\varnothing$ 18 mm

Throat depth -----300 mm

Overall height -----1000 mm

Overall width -----100 mm

Overall length -----500 mm

Weight -----35 kg



HAND PUNCHER
11 304

The ideal tool for small batch orders. The accurate punch guide system allows the use of oval square, or other cross-section tools. A small but effective machine.

Capability in 3 mm standard mild steel ----- $\varnothing$ 10 mm
Throat depth -----40 mm
Overall height -----830 mm
Overall width -----120 mm
Overall length -----210 mm
Weight -----15 kg

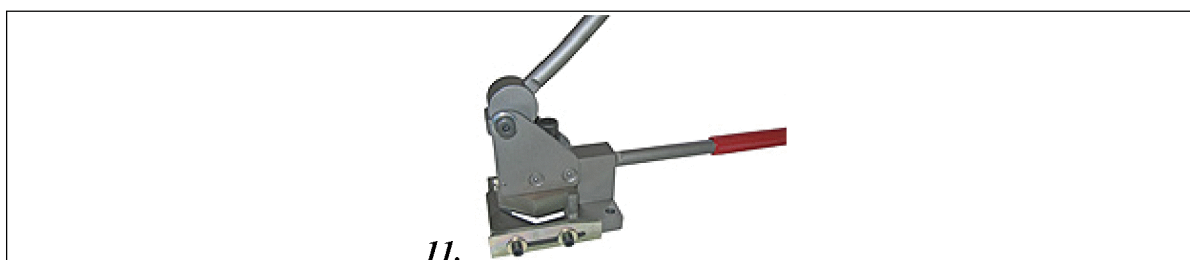


10.

HAND PUNCHER
18 016

The accurate punch guide system allows the use of oval, square, or other cross-section tools.

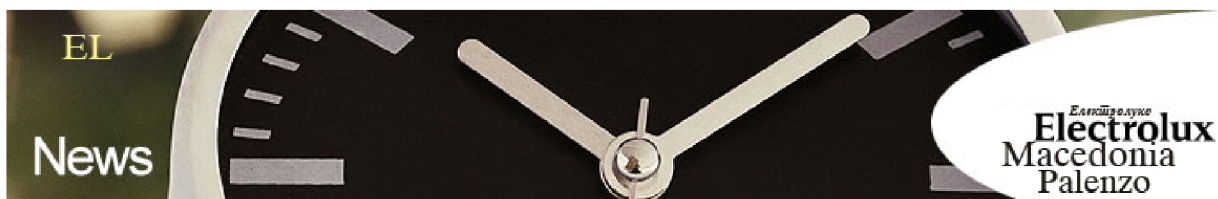
Throat depth -----100 mm
Length of stroke -----35 mm
Building in height -----95 mm
Overall height -----920 mm
Overall width -----130 mm
Punching force ----2150 kg
Overall length -----310 mm
Weight -----28 kg



11.

HAND NOTCHER PORTABLE
11 555

Cut out corners at 90°.



Max. mild steel -----40x40x1,25 mm

Weight -----3,5 kg



12.

***STANDARD DIRECT ACTION PRESS
2001***

With stroke length limit stop and return spring. Adaptor with 15 mm $\varnothing$ location. Handle can be mounted for left or right hand use and the start position adjustable through 360°
Extra column height available.

Throat depth -----110 mm

Length of stroke -----35 mm

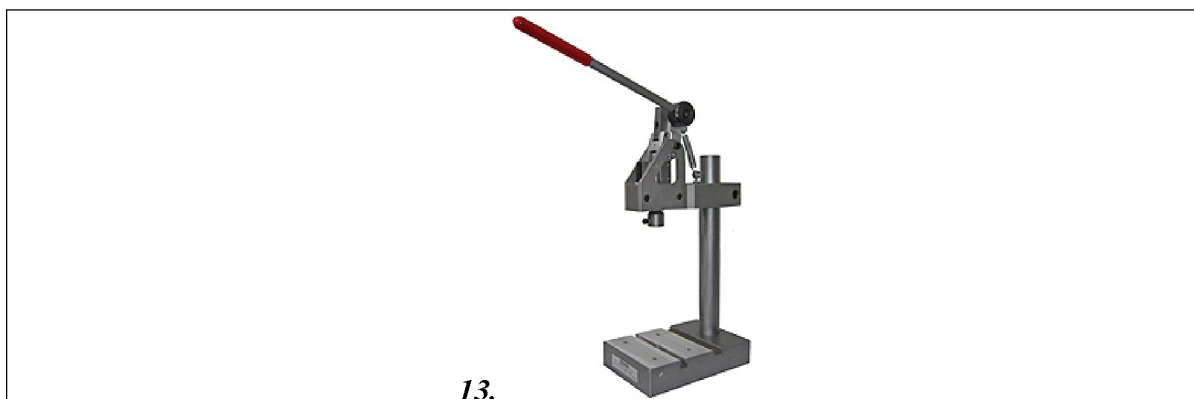
Building in height -----140 mm

Table size -----100 x 100 mm

Punching force -----500 kg

Column diameter -----40 mm

Weight -----9 kg



STANDARD DIRECT ACTION PRESS
2002

With stroke length limit stop and return spring. Adaptor with 15 mm $\varnothing$ location. Handle can be mounted for left or right hand use and the start position adjustable through 360°
Extra column height available.

Throat depth -----110 mm
Length of stroke -----35 mm
Building in height -----200 mm
Table size -----160 x 140 mm
Punching force -----500 kg
Column diameter -----40 mm
Weight -----12 kg