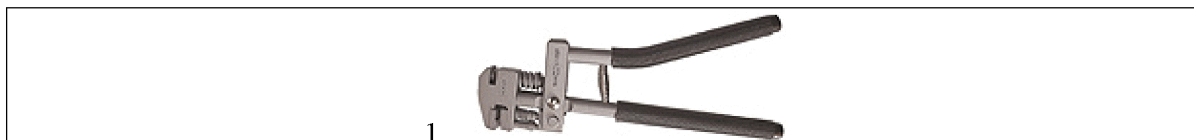


JOGGLER

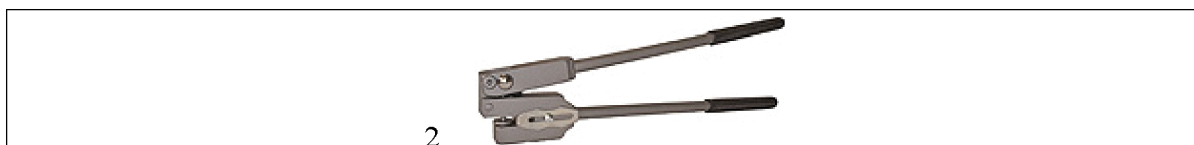


1.

JOGGLER **61 202**

A useful tool for working car body components. The combined tool can be set for either punching or bending. Available with 4-8 mm punches and dies as standard.

Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm
 Throat depth (punching) ----- 8 mm
 Jaw width ----- 22 mm
 Overall width ----- 110 mm
 Bending depth ----- 13 mm
 Overall length ----- 290 mm
 Weight ----- 1,2 kg



2.

PUNCHING TOOL SENIOR **11 101**

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 length ----- 320 mm
 Weight ----- 1,8 kg

3.



***PUNCHING TOOL JUNIOR
21 101***

Available with punches and dies from 2-5 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel -----ø 5 mm
Throat depth -----30 mm
Overall length -----250 mm
Weight -----1 kg

4.

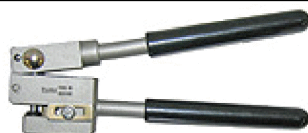


***HAND PUNCH JUNIOR
B 31 101***

Available with punches and dies from 2-5 mm, in 1/10 mm graduations.

Capability in 1 mm standard mild steel -----ø 5 mm
Throat depth -----20 mm
Overall length -----200 mm
Weight -----0,8 kg

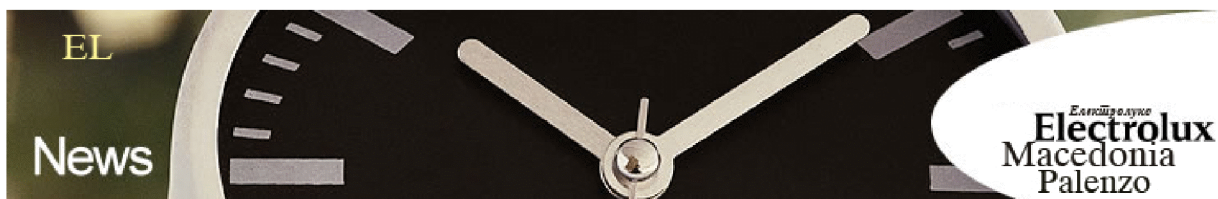
5.



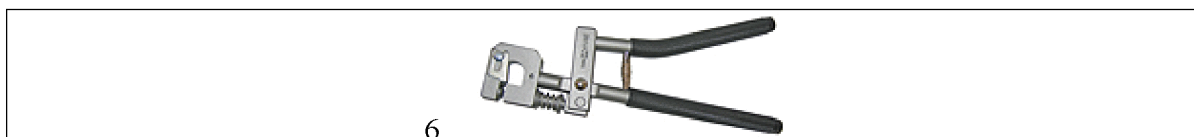
***PUNCHING TOOL JUNIOR
D 31 203***

Available with punches and dies from 2-5 mm, in 1/10 mm graduations.

Capability in 1 mm standard mild steel -----ø 5 mm



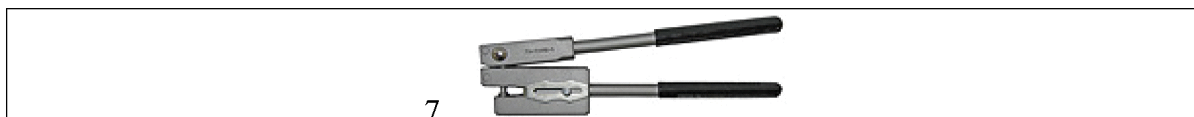
Throat depth -----15 mm
 Overall length -----170 mm
 Weight -----0,4 kg



PUNCHING TOOL OVER FLANGES
61 502

For punching of guards. Can be supplied with punches and dies from 4-8 mm.

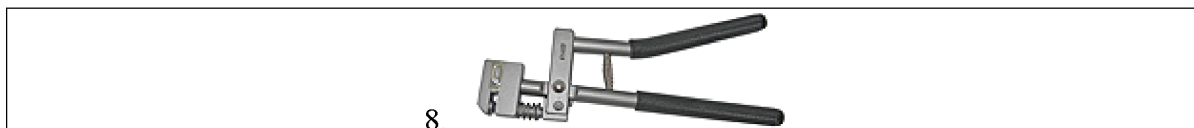
Capability in 1 mm standard mild steel -----ø 8 mm
 Throat depth -----30 mm
 Overall width -----85 mm
 Overall length -----300 mm
 Weight -----1 kg



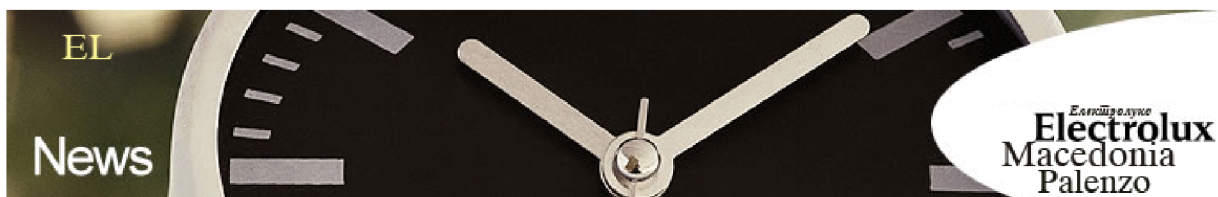
PUNCHING TOOL FOR NUMBER PLATES
TN 11 102-1

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

Capability in 1.25 mm standard mild steel -----ø 8 mm
 Throat depth -----60 mm
 Overall length -----330 mm
 Weight -----2 kg



PUNCHING TOOL WITH RETURN SPRING
61 403



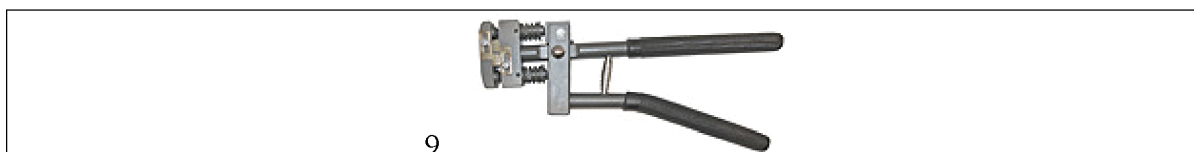
Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm

Throat depth -----15 mm

Overall length -----290 mm

Weight -----1,2 kg



9.

PUNCHING TOOL DOUBLE PUNCH
63 704

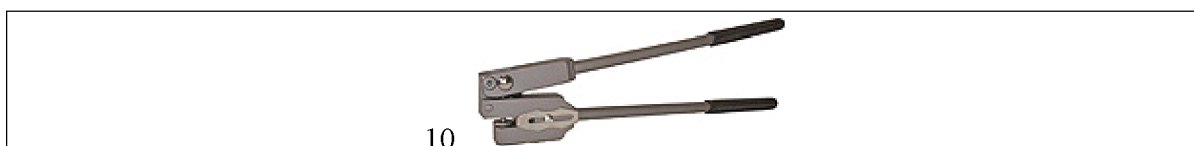
A combined tool which can accept two punches of different diameters. Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm

Throat depth -----15 mm

Overall length -----315 mm

Weight -----1,4 kg



10.

SLOT PUNCH
11 101A

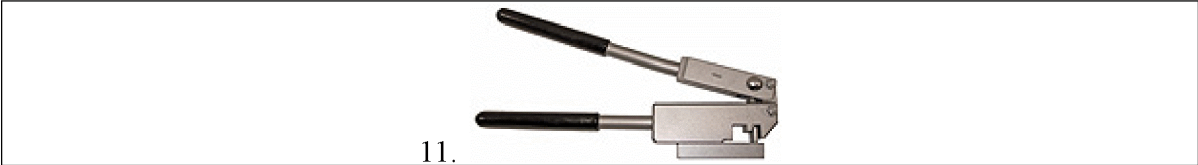
Punching tool for oval holes 5 x 12 mm, 6 x 12 mm and 8 x 12 mm as standard.

Max. mild steel -----1,5 mm

Throat depth -----30 mm

Overall length -----430 mm

Weight -----2,2 kg



SLOT PUNCH
11 101B

Punching tool for oval holes 6 x 20 mm as standard.

Max. mild steel -----0,8 mm
Throat depth -----30 mm
Overall length -----320 mm
Weight -----2,2 kg



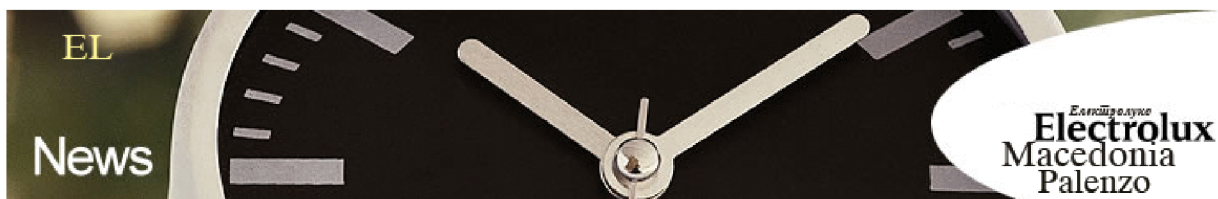
PUNCHING TOOL CURTAIN RAILS
41 401

Available with punches and dies from 2-5 mm, in 1/10 mm graduations. Specially developed for all profiled aluminum curtain rails.

Overall length -----220 mm
Weight -----0,9 kg

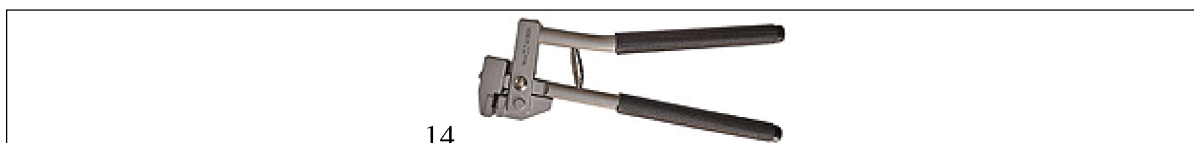


PUNCHING/COUNTERSINKING
59 203



Punching and embossing in one operation. Special for 4 and 5 mm pop rivets, or as required.

Capability in 1 mm standard mild steel ----- $\varnothing$ 5 mm
 Overall length -----290 mm
 Weight -----1,1 kg



14.

EDGE SETTER 61 201

A useful tool with hand-wearing rubber grips. The increased leverage makes work easier.

Max. mild steel -----1 mm
 Jaw width -----22 mm
 Bending width -----13 mm
 Overall length -----300 mm
 Weight -----1 kg

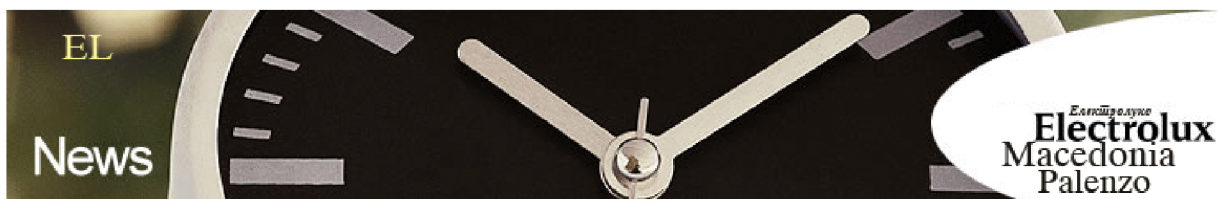


15.

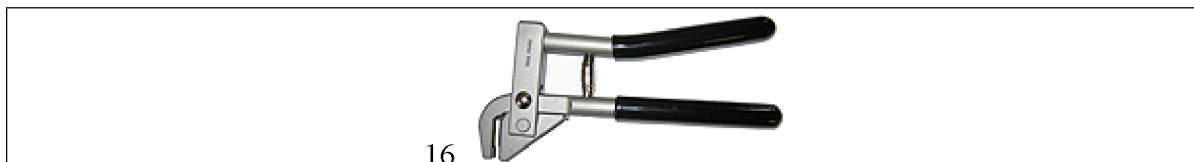
EDGE SETTER MINI 61 504

For working of small sheet edges - guards - panels - doors - parts etc. Bending tool - a good investment for bodywork repairs. The tool head is designed to enable folds to be made where the plate edges are very small.

Max. mild steel -----1 mm
 Jaw width -----10 mm
 Overall width -----90 mm
 Bending width -----13 mm
 Overall length -----220 mm



Weight -----0,9 kg



16.

EDGE SETTER
61 444

For curves.

Max. mild steel -----1 mm
Jaw width -----8 mm
Bending depth - round jaws -----20 mm
Overall length -----230 mm
Weight -----0,9 kg



17.

FOLDING TOOL
61 608

Applicable to edge folding for bodywork welding. The possibility for protection against rust on the underside of the plate is an added advantage.

Max. mild steel -----1 mm
Jaw width -----18 mm
Overall width -----20 mm
Overall length -----225 mm
Weight -----0,8 kg



DOOR SKIN EDGING TOOL
66 051

For joining sheets. Applicable for welding or gluing replacement panels on to bodies. A nylon pad prevents deformation of the flange on the outer side of the sheet.

Width of nylon pad -----40 mm
 Overall length -----310 mm
 Weight -----1,2 kg



PLANNISHING TOOL FOR DOORLOCKS
66 500

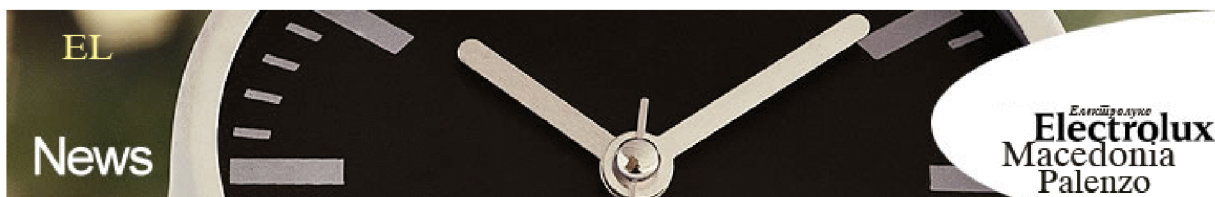
Adjusting tool for vehicle door locks.

Jaw width -----10 mm
 Overall length -----210 mm
 Weight -----0,9 kg

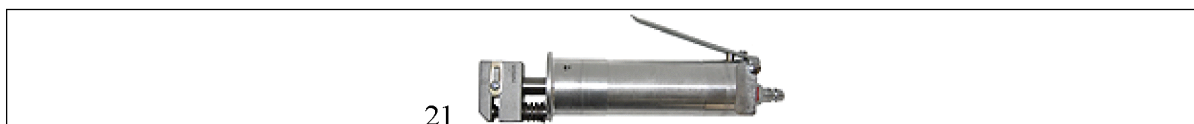


PLANNISHING TOOL FOR DOORLOCKS GOLF III
66 888

Adjusting tool for vehicle door locks.



Jaw width -----10 mm
 Overall length -----210 mm
 Weight -----0,9 kg

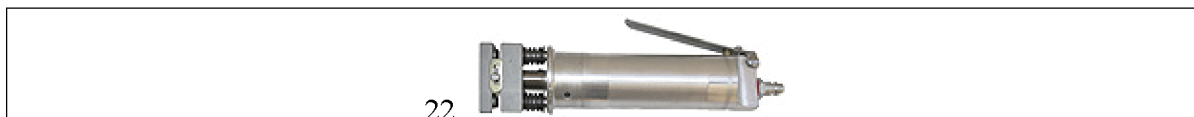


21.

PNEUMATIC PUNCHER
63 302

Available with punches and dies from 2-8 mm, in 1/10 mm graduations. An easy and useful puncher for thin plate work.

Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm
 Throat depth -----15 mm
 Punching force -----550 kg
 Working pressure -----8 bar
 Diameter - body -----58 mm
 Overall length -----240 mm
 Weight -----1,3 kg

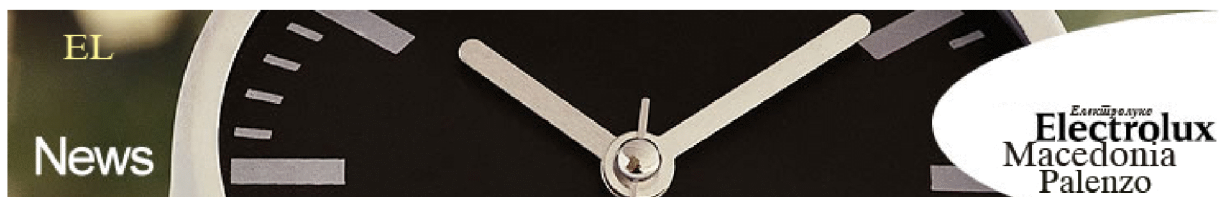


22.

PNEUMATIC PUNCHER
63 805

A combined tool which can accept two punches of different diameters. Available with punches and dies from 2-8 mm, in 1/10 mm graduations.

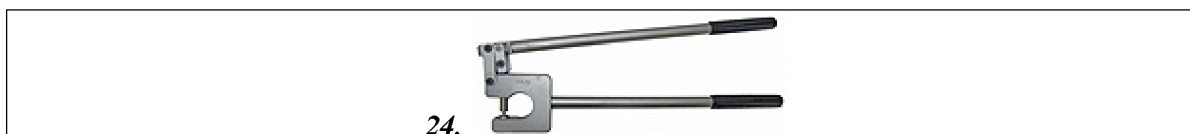
Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm
 Throat depth -----15 mm
 Punching force -----550 kg
 Working pressure -----8 bar
 Diameter - body -----58 mm
 Overall length -----223 mm
 Weight -----1,3 mm



PNEUMATIC COMBINED BENDING/PUNCHING TOOL
63 301

The ideal tool for bodywork component applications. The tool can rotate for optimum working position. Available with punches and dies from 4-8 mm as standard.

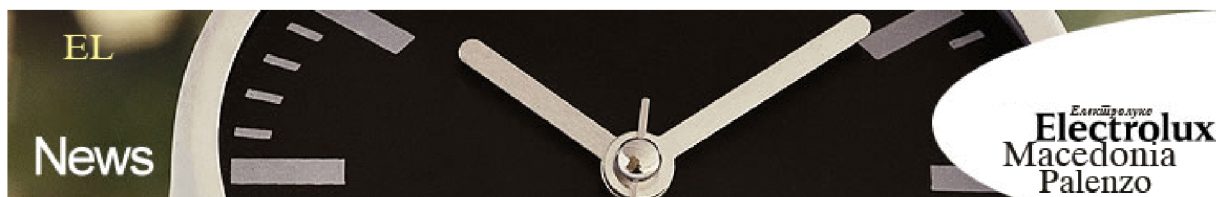
Capability in 1 mm standard mild steel ----- $\varnothing$ 8 mm
 Bending capability -----0,8 - 1 mm
 Jaw width -----22 mm
 Punching force -----550 kg
 Working pressure -----8 bar
 Diameter - body -----58 mm
 Overall length -----240 mm
 Weight -----1,4 kg



PUNCHING TOOL WITH LARGE STROKE
18 022

Accurate punch guides enable e.g. oval and square tools to be mounted. Available with punches and dies from 2-10 mm, in 1/10 mm graduations.

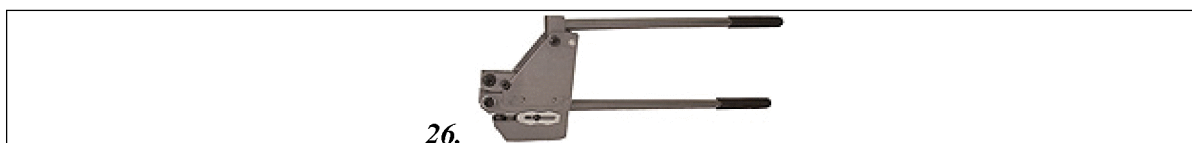
Capability in 2.0 mm standard mild steel ----- $\varnothing$ 10 mm
 Throat depth -----50 mm
 Overall height -----150 mm
 Overall width -----60 mm
 Length of stroke -----35 mm
 Overall length -----550 mm
 Weight -----4 kg



***PUNCHING TOOL 10 MM DIAMETER
11 210***

Available with punches and dies from 2-10 mm, in 1/10 mm graduations.
Special form punches, e.g. oval and square, also available

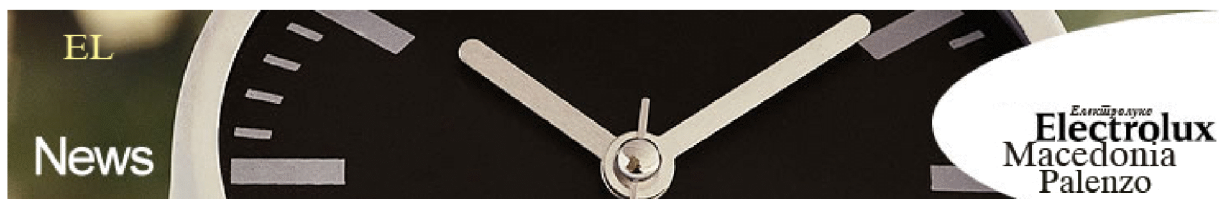
Capability in 1.5 mm standard mild steel ----- $\varnothing$ 10 mm
Throat depth -----40 mm
Overall height -----90 mm
Overall width -----50 mm
Overall length -----450 mm
Weight -----3,5 kg



***PUNCHING TOOL FOR HEAVY SHEET
11 102***

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

Capability in 3 mm standard mild steel ----- $\varnothing$ 10 mm
Throat depth -----40 mm
Overall height -----160 mm
Overall width -----50 mm
Punching force -----2000 kg
Overall length -----590 mm
Weight -----6 kg



27.

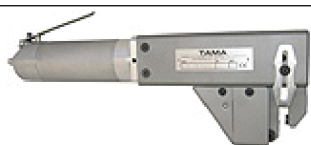


PNEUMATIC/HYDRAULIC TOOL
63 470

The combined tool head accepts two different punch sizes.

Capability in 1.75 mm standard mild steel ----- $\varnothing$ 10 mm
Diameter - body -----70 mm
Overall length -----400 mm
Weight -----4 kg

28.



PORTABLE PNEUMATIC PUNCHER
TR 13 101

As easy and useful puncher for thin sheet work. 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
Punching force -----800 kg
Working pressure -----8 bar
Overall length -----320 mm
Weight -----4 kg