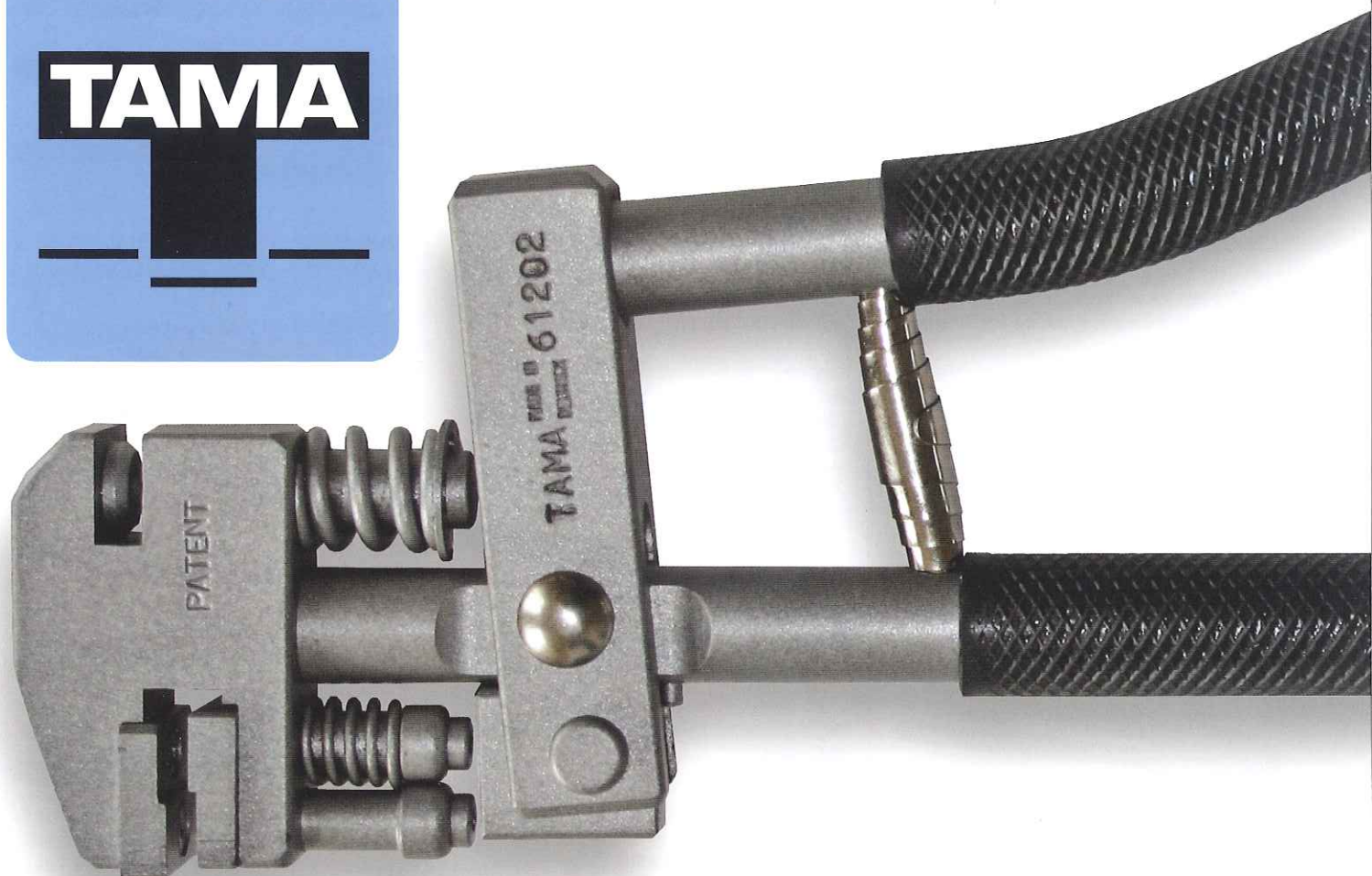


TAMA



JOGGLER PAGE 2



PUNCHING TOOLS PAGE 2



MANUAL PUNCHERS PAGE 7



DIN RAIL SHEARS PAGE 8



PUNCHING MACHINES PAGE 10



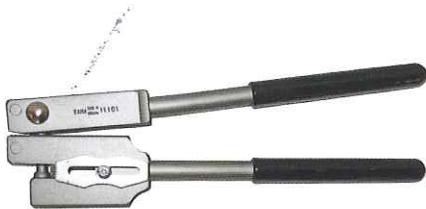
PUNCHING TOOLS



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



PUNCHING TOOL 11 101 SENIOR

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



PUNCHING TOOL 21 101 JUNIOR

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

Capability in 1.5 mm standard
mild steel $\varnothing$ 5 mm
Throat depth 30 mm
Overall length 250 mm
Weight 1 kg



HAND PUNCH B 31 101 JUNIOR

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

Capability in 1 mm standard
mild steel $\varnothing$ 5 mm
Throat depth 20 mm
Overall length 200 mm
Weight 0.8 kg



PUNCHING TOOL D 31 203 JUNIOR

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

Capability in 1 mm standard
mild steel $\varnothing$ 5 mm
Throat depth 15 mm
Overall length 170 mm
Weight 0.4 kg



PUNCHING TOOL 61 502 OVER FLANGES

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

Capability in 1 mm standard
mild steel $\varnothing$ 8 mm
Throat depth 30 mm
Overall width 85 mm
Overall length 300 mm
Weight 1 kg



PUNCHING TOOL TN 11 102-1 FOR NUMBER PLATES - EXTRA THROAT

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
Overall length 330 mm
Weight 1.8 kg



PUNCHING TOOL 61 403 WITH RETURN SPRING

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



PUNCHING TOOL 63 704 DOUBLE PUNCH

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

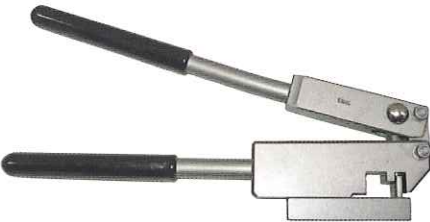
PUNCHING TOOLS



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 41 401 CURTAIN RAILS

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



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



EDGE SETTER 61 504 MINI

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



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 mm



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

PUNCHING TOOLS



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



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



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.

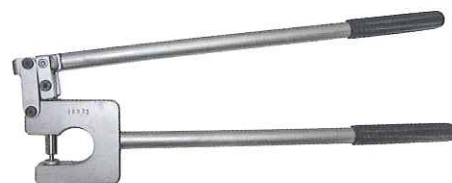
Capability in 1 mm standard
mild steel $\varnothing$ 8 mm
Throat depth 15 mm
Punching force 550 kg
Working pressure 8 bar
Diameter - body 58 mm
Overall length 223 mm
Weight 1.3 kg



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 18 022 WITH LARGE STROKE

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.

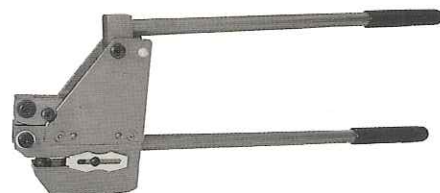
Capability in 2 mm standard
mild steel $\varnothing$ 10 mm
Throat depth 50 mm
Overall height 150 mm
Overall width 60 mm
Stroke 35 mm
Overall length 550 mm
Weight 4 kg



PUNCHING TOOL 11 210 10 MM DIAMETER

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 11 102 FOR HEAVY SHEET

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 2,000 kg
Overall length 590 mm
Weight 6 kg

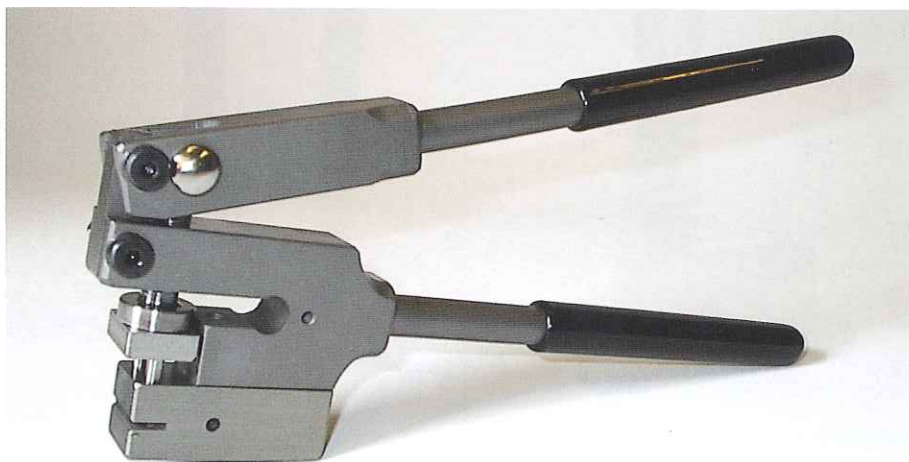
PUNCHING TOOLS



PNEUMATIC/HYDRAULIC TOOL 63 470

The combined tool head accepts two different punch sizes.

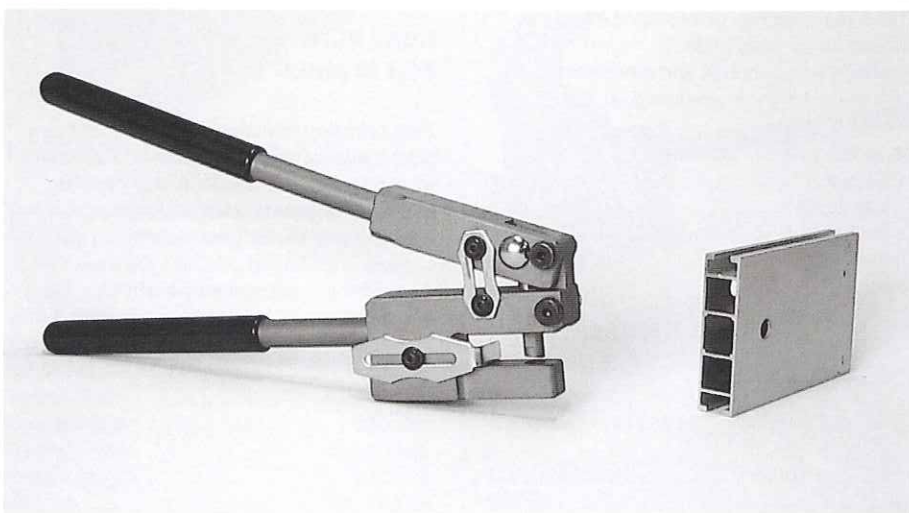
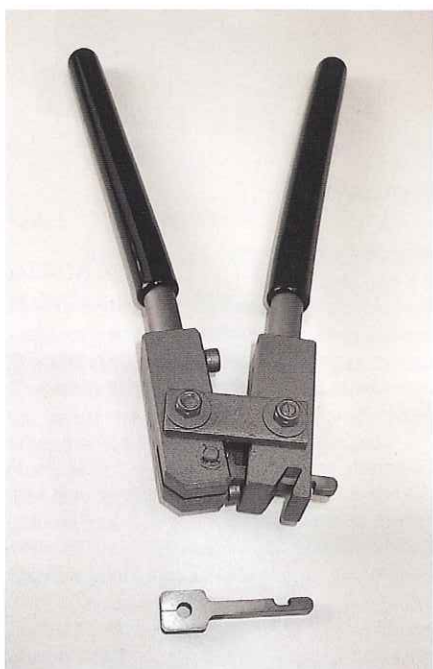
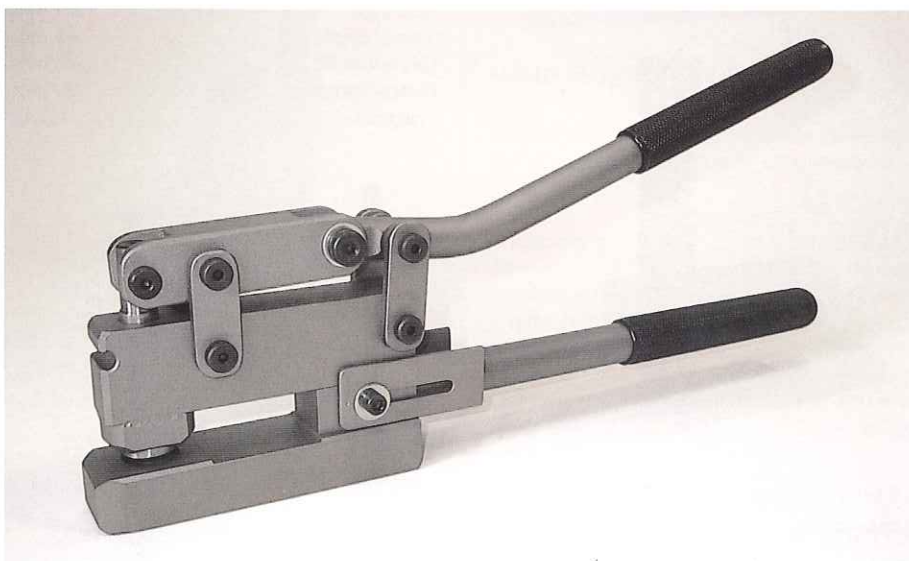
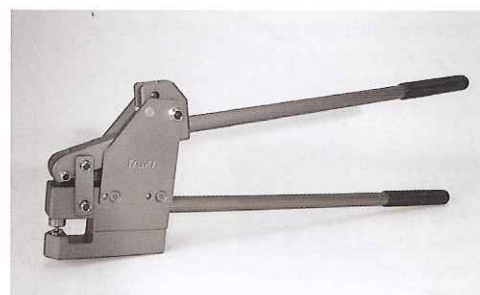
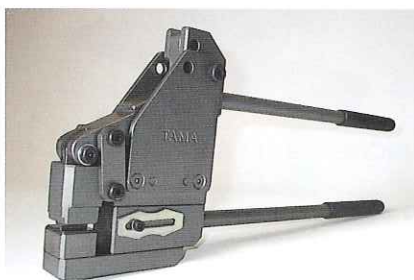
Capability in 1.75 mm standard
mild steel $\varnothing$ 10 mm
Diameter - body 70 mm
Overall length 400 mm
Weight 4 kg



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



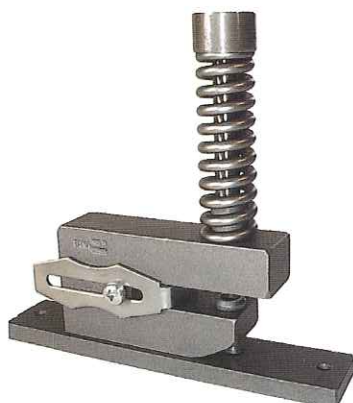
PUNCHERS



PRESS BRAKE PUNCHER TD 25 101 JUNIOR

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 mm standard	
mild steel	... ø 8 mm
Throat depth	... 30 mm
Overall height	... 138 mm
Overall width	... 25 mm
Weight	... 0.8 kg



PRESS BRAKE PUNCHER TU 15 102 SENIOR

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 mm standard	
mild steel	... ø 8 mm
Throat depth	... 40 mm
Overall height	... 146 mm
Overall width	... 30 mm
Weight	... 1.2 kg



PUNCHER 12 101 SENIOR

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

Capability in 1.5 mm standard	
mild steel	... ø 8 mm
Throat depth	... 40 mm
Overall width	... 40 mm
Overall length	... 380 mm
Weight	... 1.5 kg



DUAL PUNCHER TO 12 601 FOR NUMBER PLATES

Twin punches mounted on a common base plate which contains a millimetre scale for adjusting distance between hole centres.
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
Weight	... 10 kg



PUNCHER 11 203 FOR HEAVY DUTY WORK

The ideal machine for punching holes up to ø 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	... ø 10 mm
Throat depth	... 40 mm
Overall height	... 700 mm
Overall width	... 80 mm
Punching force	... 2,000 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	... ø 8 mm
Throat depth	... 150 mm
Overall width	... 40 mm
Weight	... 7 kg

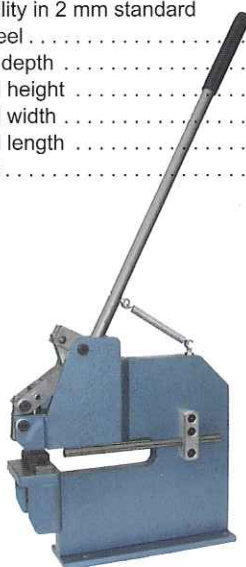
PUNCHERS



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 mm standard
mild steel $\varnothing$ 18 mm
Throat depth 180 mm
Overall height 1,000 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.

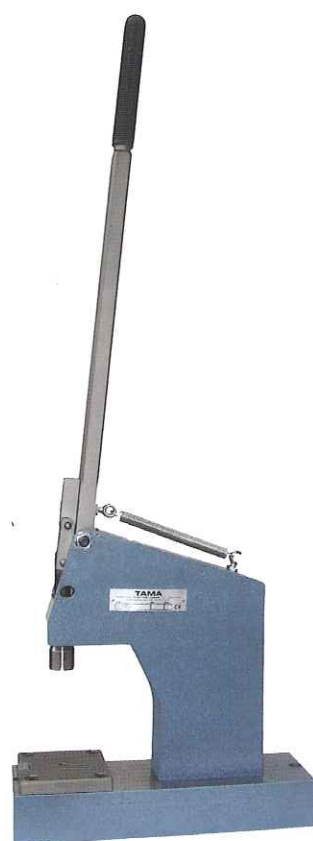
Capability in 2 mm standard
mild steel $\varnothing$ 18 mm
Throat depth 300 mm
Overall height 1,000 mm
Overall width 100 mm
Overall length 500 mm
Weight 35 kg



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.

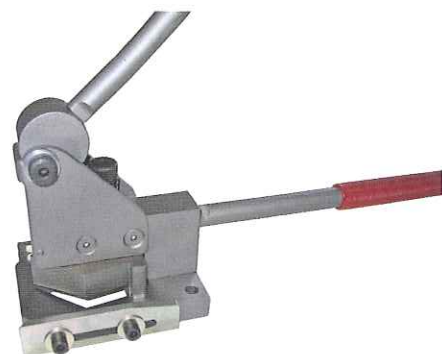
Capability in 3 mm standard
mild steel $\varnothing$ 10 mm
Throat depth 40 mm
Overall height 830 mm
Overall width 120 mm
Overall length 210 mm
Weight 15 kg



HAND PUNCHER 18 016

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

Throat depth 100 mm
Stroke 35 mm
Building in height 95 mm
Overall height 920 mm
Overall width 130 mm
Punching force 2,150 kg
Overall length 310 mm
Weight 28 kg



HAND NOTCHER 11 555 PORTABLE

Cut out corners at 90°.

Max. mild steel 40 x 40 x 1.25 mm
Weight 3.5 kg

PUNCHERS AND DIN RAIL SHEARS



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°.

Throat depth 110 mm
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
Extra column height available.



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°.

Throat depth 110 mm
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
Extra column height available.



DIN RAIL SHEAR 30 002

Hand shear for cutting to length of DIN rails 35 x 7.5 x 1 mm.

Weight 2.1 kg



DIN RAIL SHEAR 30 003

Hand shear for cutting to length of DIN rails 15 x 5.5 x 1 mm.

Weight 2.1 kg



DIN RAIL SHEAR 30 004

Hand shear for cutting to length of DIN rails 35 x 15 x 1.5 mm

Weight 4.5 kg



DIN RAIL SHEAR 30 024 TWO PROFILES

Hand shear for cutting to length of DIN rails 35 x 7.5 x 1 mm and 35 x 15 x 1.5 mm.

Weight 5 kg



DIN RAIL SHEAR 30 006

Hand shear for burr free cutting to length of four standard DIN-profiles in one tool. Easy to operate.

Weight 12 kg



PNEUMATIC PUNCHING MACHINE 30 010 DIN RAIL SHEAR

Punching machine for cutting to length of four standard DIN-profiles in one tool.

Weight 72 kg

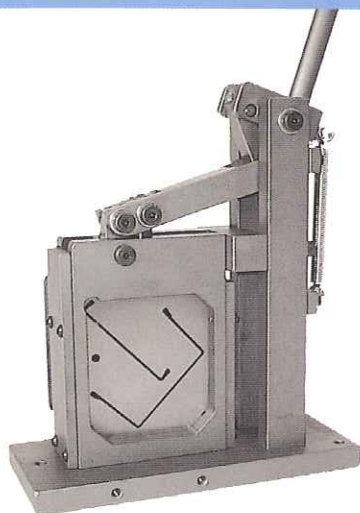
HAND SHEARS



HAND SHEAR 30 045

Hand shear for cutting to length of round bar
 $\varnothing$ 3 – 4 – 5 and 6 mm.

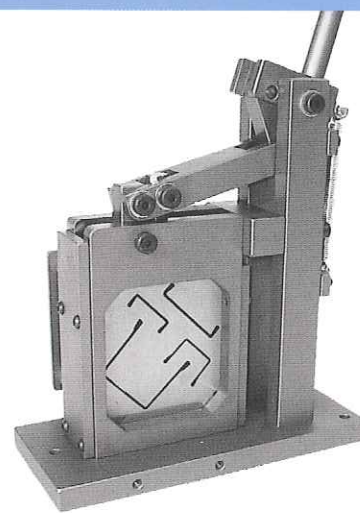
Weight 2.5 kg



HAND SHEAR 30 005

Hand shear for burr free cutting to length
of cable channels. Two profiles in one tool.
Easy to operate.

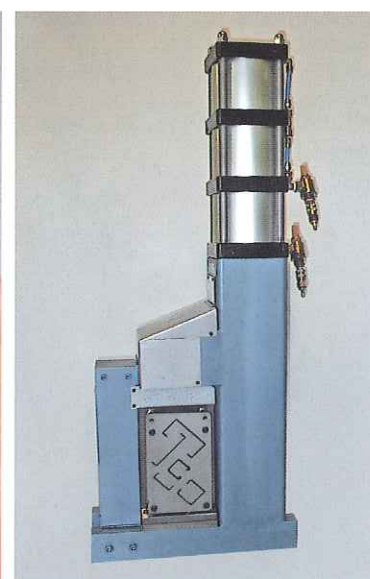
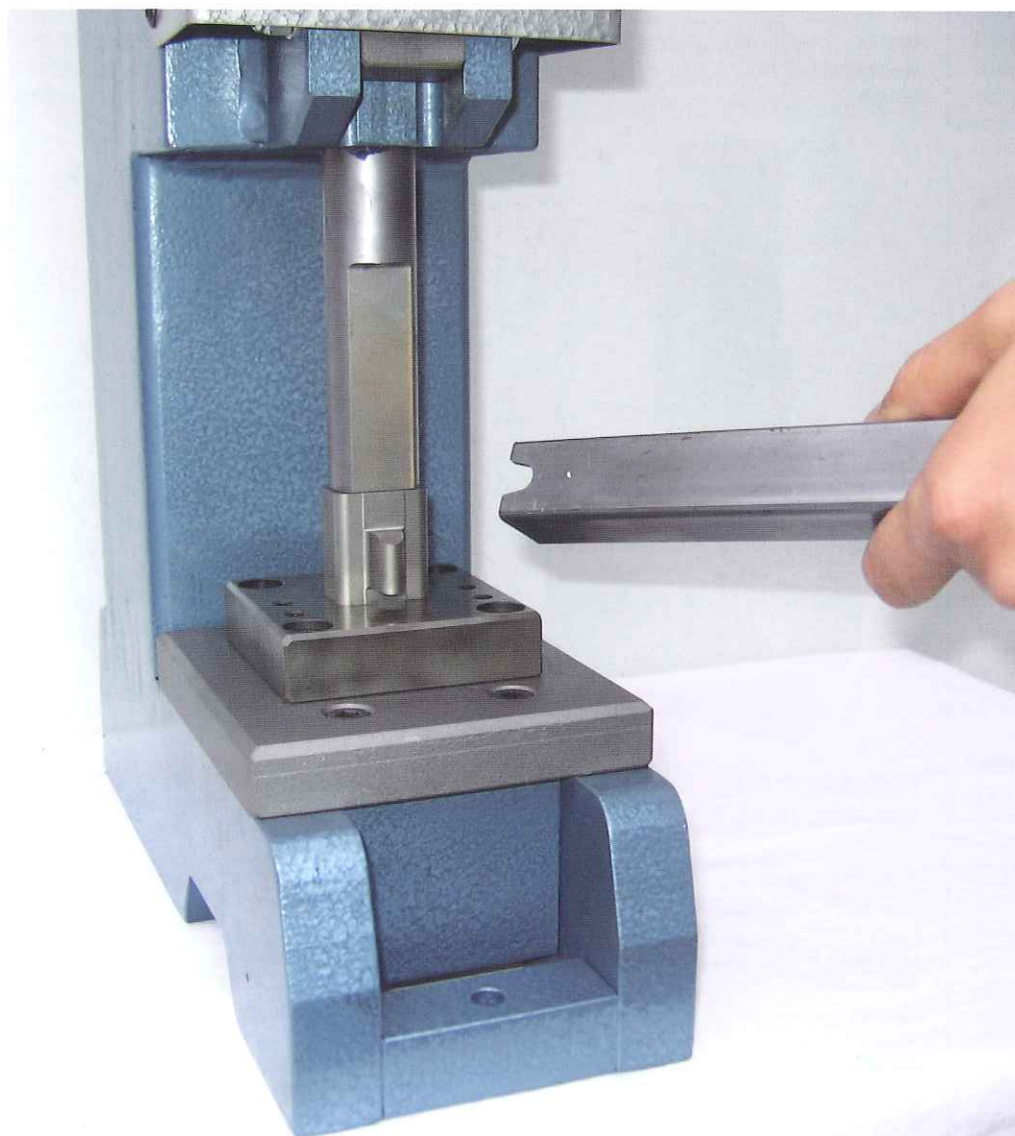
Weight 22 kg



HAND SHEAR 30 005

Hand shear for burr free cutting to length
of cable channels. Four profiles in one tool.
Easy to operate.

Weight 22 kg



PNEUMATIC PUNCHING MACHINES



PNEUMATIC PUNCHING MACHINE TT 23 101

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

Capability in 1.0 mm standard mild steel $\varnothing$ 5 mm
Punching force 260 kg
Throat depth 30 mm
Length of stroke 8 mm
Working pressure8 bar
W-D-H 45 x 145 x 307 mm
Weight 2.4 kg



PNEUMATIC PUNCHING MACHINE TS 13 102

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
Punching force 800 kg
Throat depth 40 mm
Length of stroke 10 mm
Working pressure8 bar
W-D-H 70 x 165 x 375 mm
Weight 6 kg



PNEUMATIC PUNCHING MACHINE TS 15 200

Capability in 1.5 mm standard mild steel $\varnothing$ 8 mm
Punching force 800 kg
Throat depth 40 mm
Length of stroke 10 mm
Working pressure8 bar
W-D-H 70 x 165 x 470 mm
Building in height 95 mm
Weight 7 kg



PNEUMATIC PUNCHING MACHINE TH 63 106

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
Punching force 800 kg
Throat depth 150 mm
Length of stroke 10 mm
Working pressure8 bar
W-D-H 70 x 245 x 455 mm
Weight 13 kg



PNEUMATIC PUNCHING MACHINE TS 16 400

Capability in 1.5 mm standard mild steel $\varnothing$ 8 mm
Punching force 800 kg
Throat depth 150 mm
Length of stroke 10 mm
Working pressure8 bar
W-D-H 70 x 280 x 580 mm
Building in height 95 mm
Weight 15 kg



PNEUMATIC PUNCHING MACHINE FF 11 222

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

Capability in 1.5 mm standard mild steel $\varnothing$ 10 mm
Punching force 1.2 ton
Throat depth 40 mm
Length of stroke 10 mm
Working pressure8 bar
W-D-H 80 x 185 x 430 mm
Weight 11 kg

PNEUMATIC PUNCHING MACHINES



PNEUMATIC PUNCHING MACHINE FF 11 333

Capability in 1.5 mm standard mild steel $\varnothing$ 10 mm
Punching force 1.2 ton
Throat depth 40 mm
Length of stroke 10 mm
Working pressure 8 bar
W-D-H 80 x 185 x 550 mm
Building in height 95 mm
Weight 13 kg



PNEUMATIC PUNCHING MACHINE FF 11 888

Capability in 1.5 mm standard mild steel $\varnothing$ 10 mm
Punching force 1.2 ton
Throat depth 150 mm
Length of stroke 10 mm
Working pressure 8 bar
W-D-H 80 x 310 x 630 mm
Building in height 95 mm
Weight 19 kg



PNEUMATIC PUNCHING MACHINE TY-1 63 105

Capability in 1.5 mm standard mild steel $\varnothing$ 18 mm
Punching force 2.1 ton
Throat depth 55 mm
Length of stroke 12 mm
Working pressure 8 bar
W-D-H 100 x 250 x 691 mm
Building in height 95 mm
Weight 28 kg



PNEUMATIC PUNCHING MACHINE FF 11 444

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

Capability in 1.5 mm standard mild steel $\varnothing$ 10 mm
Punching force 1.2 ton
Throat depth 150 mm
Length of stroke 10 mm
Working pressure 8 bar
W-D-H 80 x 310 x 510 mm
Weight 15 kg



PNEUMATIC PUNCHING MACHINE TW 63 101

Available with punches and dies from 2-18 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel $\varnothing$ 18 mm
Punching force 2.1 ton
Throat depth 55 mm
Length of stroke 12 mm
Working pressure 8 bar
W-D-H 100 x 240 x 544 mm
Weight 24 kg



PNEUMATIC PUNCHING MACHINE TW-1 63 102

Available with punches and dies from 2-18 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel $\varnothing$ 18 mm
Punching force 2.1 ton
Throat depth 150 mm
Length of stroke 12 mm
Working pressure 8 bar
W-D-H 100 x 340 x 540 mm
Weight 34 kg

PNEUMATIC PUNCHING MACHINES



PNEUMATIC PUNCHING MACHINE TY-1 63 100

Capability in 1.5 mm standard mild steel $\varnothing$ 18 mm
Punching force 2.1 ton
Throat depth 150 mm
Length of stroke 12 mm
Working pressure8 bar
W-D-H 100 x 350 x 691 mm
Building in height 95 mm
Weight 35 kg



PNEUMATIC PUNCHING MACHINE TZ 63 107

Capability in 1.5 mm standard mild steel $\varnothing$ 28 mm
Punching force 3.2 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure8 bar
W-D-H 120 x 320 x 770 mm
Building in height 115 mm
Weight 50 kg



PNEUMATIC PUNCHING MACHINE TT 63 116

Capability in 1.5 mm standard mild steel $\varnothing$ 28 mm
Punching force 3.2 ton
Throat depth 180 mm
Length of stroke 13 mm
Working pressure8 bar
W-D-H 120 x 440 x 770 mm
Building in height 115 mm
Weight 60 kg



PNEUMATIC PUNCHING MACHINE TX 63 103

Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel $\varnothing$ 28 mm
Punching force 3.2 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure8 bar
W-D-H 120 x 285 x 623 mm
Weight 35 kg



PNEUMATIC PUNCHING MACHINE TX-1 63 104

Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel $\varnothing$ 28 mm
Punching force 3.2 ton
Throat depth 180 mm
Length of stroke 13 mm
Working pressure8 bar
W-D-H 120 x 405 x 523 mm
Weight 55 kg



PNEUMATIC PUNCHING MACHINE TO 20 204

Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

Capability in 1.5 mm standard mild steel $\varnothing$ 28 mm
Punching force 3.2 ton
Throat depth 500 mm
Length of stroke 13 mm
Working pressure8 bar
W-D-H ex. stand 200 X 930 X 860 mm
Weight 215 kg

PNEUMATIC PUNCHING MACHINES



PNEUMATIC PUNCHING MACHINE TE 7777

Available with punches and dies from
2-28 mm, in 1/10 mm graduations.

Capability in 2.0 mm standard
mild steel $\varnothing$ 28 mm
Punching force 5 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 140 x 310 x 675 mm
Weight 55 kg



PNEUMATIC PUNCHING MACHINE TE 4444

Capability in 2.0 mm standard
mild steel $\varnothing$ 28 mm
Punching force 5 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 140 x 350 x 827 mm
Building in height 135 mm
Weight 60 kg



PNEUMATIC PUNCHING MACHINE TE 6666

Available with punches and dies from
2-28 mm, in 1/10 mm graduations.

Capability in 2.0 mm standard
mild steel $\varnothing$ 28 mm
Punching force 5 ton
Throat depth 200 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 140 x 450 x 675 mm
Weight 60 kg



PNEUMATIC PUNCHING MACHINE TE 5555

Capability in 2.0 mm standard
mild steel $\varnothing$ 28 mm
Punching force 5 ton
Throat depth 200 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 140 x 490 x 827 mm
Building in height 135 mm
Weight 68 kg



PNEUMATIC PUNCHING MACHINE TB 64 111 D

Available with punches and dies from
2-28 mm, in 1/10 mm graduations.

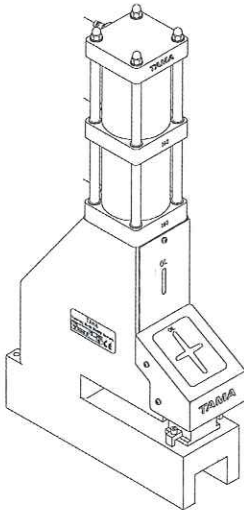
Capability in 3.5 mm standard
mild steel $\varnothing$ 28 mm
Punching force 12 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 180 x 350 x 854 mm
Weight 70 kg



PNEUMATIC PUNCHING MACHINE TB 64 122 D

Capability in 3.5 mm standard
mild steel $\varnothing$ 28 mm
Punching force 12 ton
Throat depth 65 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 180 x 420 x 1,006 mm
Building in height 135 mm
Weight 80 kg

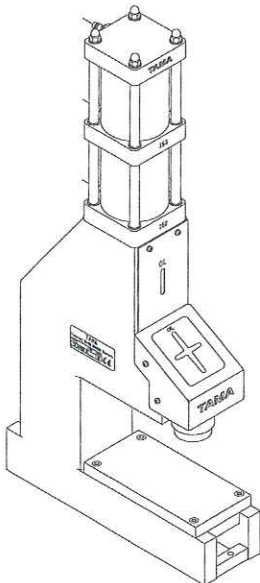
PNEUMATIC PUNCHING MACHINES



**PNEUMATIC PUNCHING MACHINE
TB 64 666 D**

Available with punches and dies from
2-28 mm, in 1/10 mm graduations.

Capability in 3.5 mm standard
mild steel $\varnothing$ 28 mm
Punching force 12 ton
Throat depth 240 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 180 x 530 x 894 mm
Weight 80 kg



**PNEUMATIC PUNCHING MACHINE
TB 64 888 D**

Capability in 3.5 mm standard
mild steel $\varnothing$ 28 mm
Punching force 12 ton
Throat depth 240 mm
Length of stroke 13 mm
Working pressure 8 bar
W-D-H 180 x 600 x 1,046 mm
Building in height 135 mm
Weight 90 kg



**PNEUMATIC PUNCHING
MACHINE DS 160**

Punching force 1.4 ton
Throat depth 85 mm
Length of stroke 50 mm
Working pressure 8 bar
Weight 50 kg



**PNEUMATIC PUNCHING
MACHINE DS 160 D**

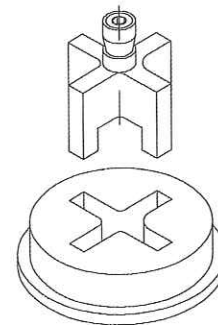
Punching force 2.8 ton
Throat depth 85 mm
Length of stroke 50 mm
Working pressure 8 bar
Weight 60 kg



**NOTCHING MACHINE
VK 10 001**

Machine for notching 50 x 50 mm in 90°.

Max. mild steel 1.5 mm
Punching force 3.2 ton
Working pressure 8 bar
W-D-H 120 x 320 x 730 mm
Weight 46 kg

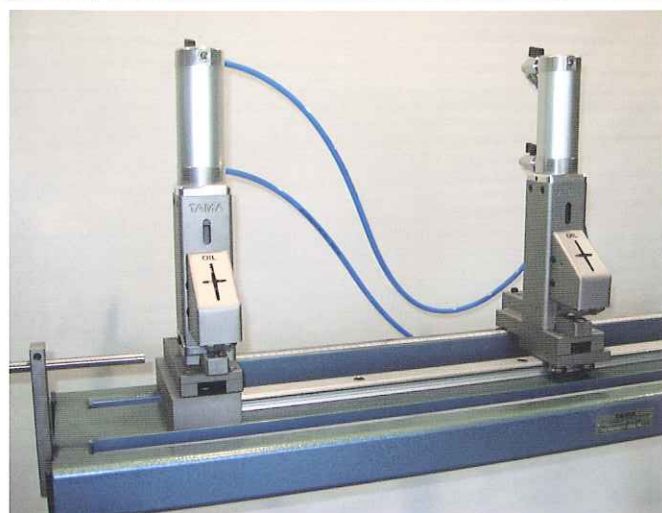
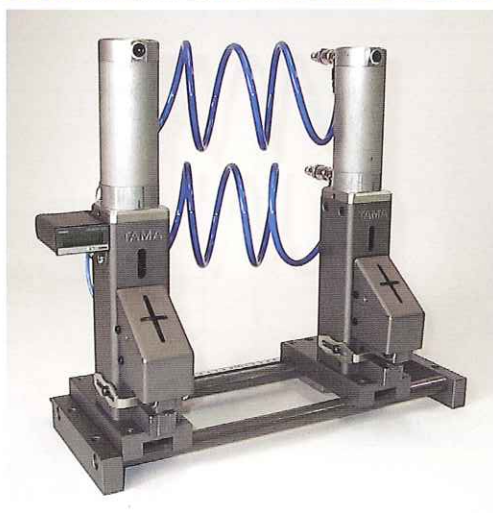
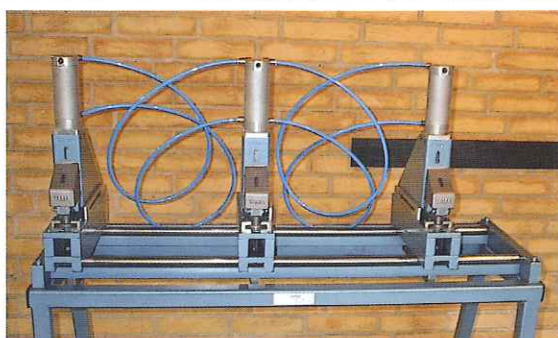
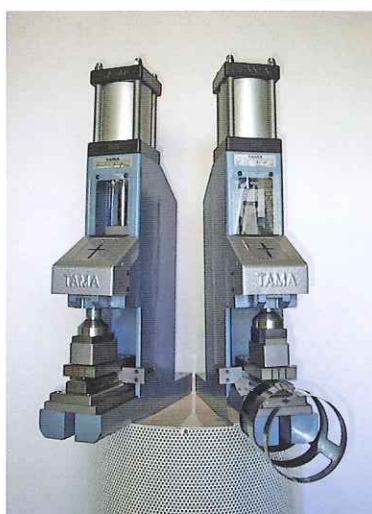
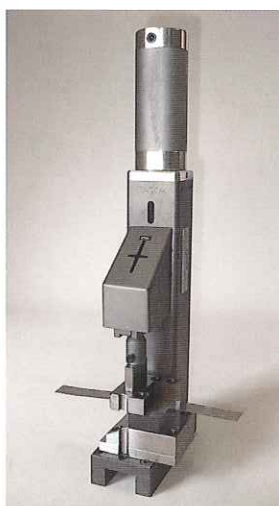


**CORNERING
PNEUMATIC PUNCHING
MACHINE VK 10 100**

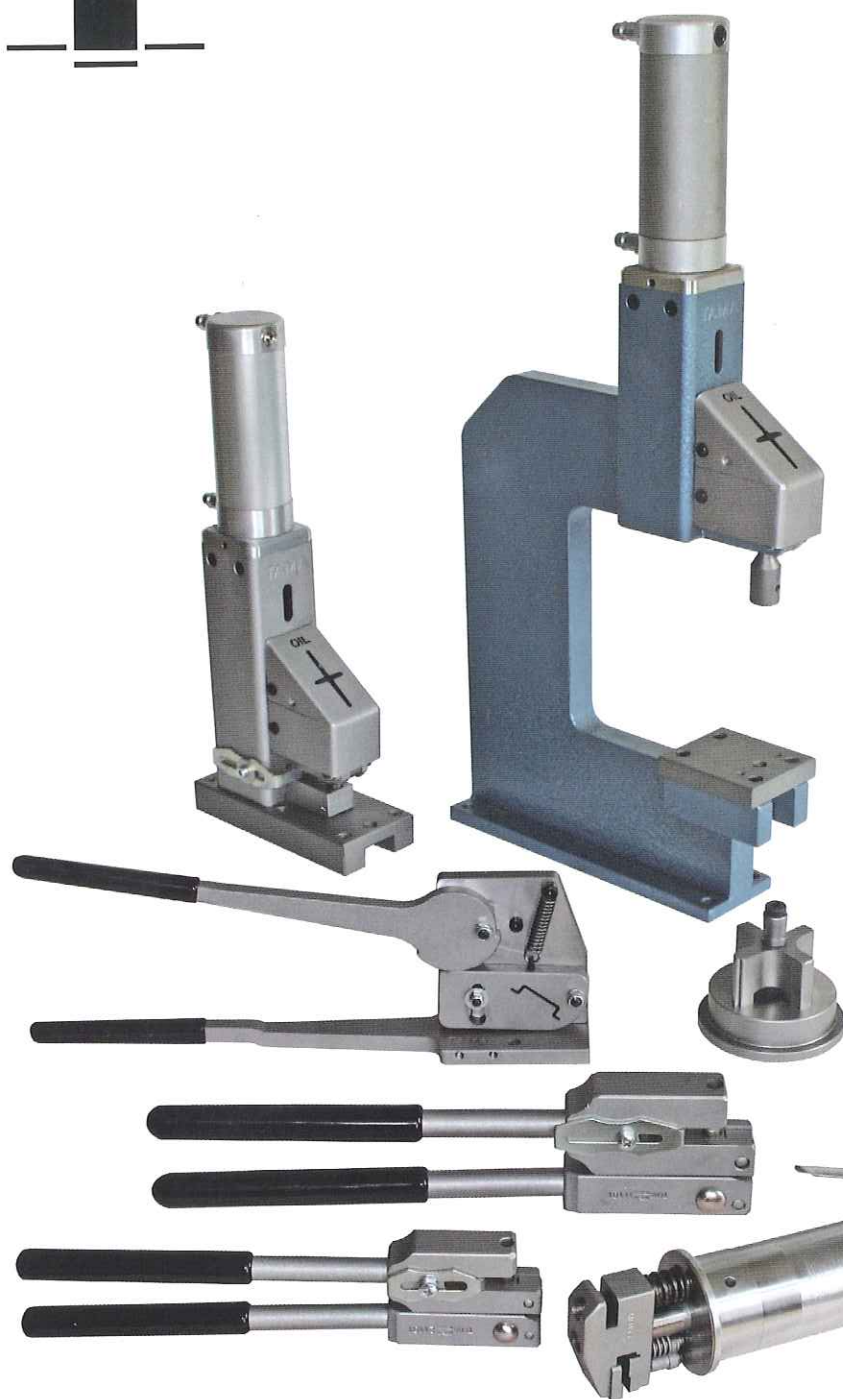
Machine mounted with a radius tool
6 -8-10-14 mm for cornering.
Available with other radius tools.

Max. mild steel 3 mm
Punching force 2.1 ton
Working pressure 8 bar
W-D-H 100 x 250 x 725 mm
Weight 31 kg

GALLERY



TAMA



Since its inception in 1970 TAMA Denmark has steadily grown in size, gaining a reputation for special purpose punching equipment world-wide.

Our modern factory equipped with the latest technology, guarantees high quality workmanship and service.

A manufacturer of bench mounted pneumatic air lever presses, from 260 kgs to 16000 kgs, supporting a complete tool design and manufacture service that can be customer specified.

A comprehensive manual and hand punch programme with a focus on car body repair tools.

TAMA is flexible enough to respond quickly to the demands of a world market and our loyal customers.

TAMA ApS

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