

PUNCHING MACHINES



1.

PNEUMATIC PUNCHING MACHINE TT 23 101

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

Capability in 1 mm standard mild steel ----- $\varnothing$ 5 mm

Punching force -----260 kg

Throat depth -----30 mm

Length of stroke -----8 mm

Working pressure -----8 bar

W-D-H -----45 x 145 x 307 mm

Weight -----2,4 kg



2.

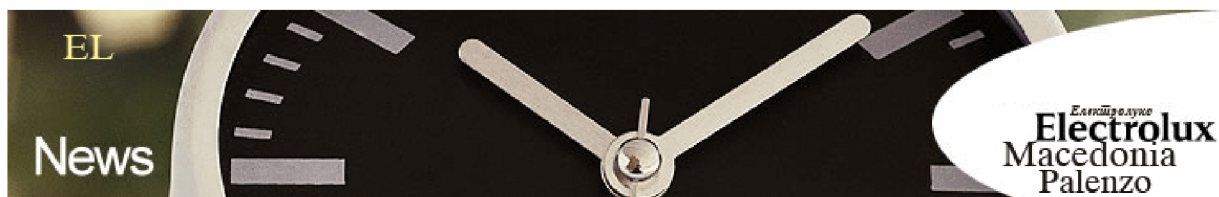
PNEUMATIC PUNCHING MACHINE TS 13 102

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 pressure -----8 bar
 W-D-H -----70 x 165 x 375 mm
 Weight -----6 kg



***PNEUMATIC PUNCHING MACHINE
 TS 15 200***

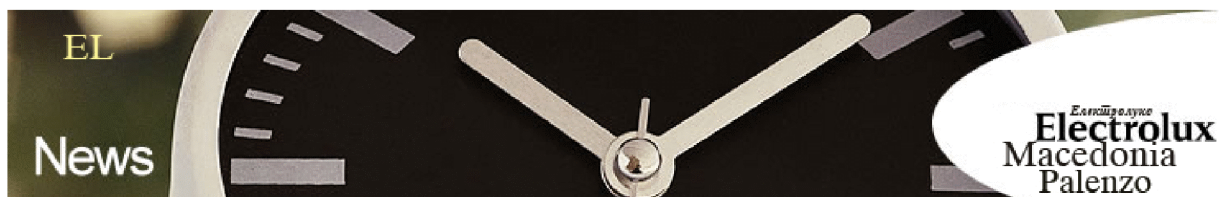
Capability in 1.5 mm standard mild steel ----- $\varnothing$ 8 mm
 Punching force -----800 kg
 Throat depth -----40 mm
 Length of stroke -----10 mm
 Working pressure -----8 bar
 W-D-H -----70 x 165 x 470 mm
 Building in height -----95 mm
 Weight----- 7 kg



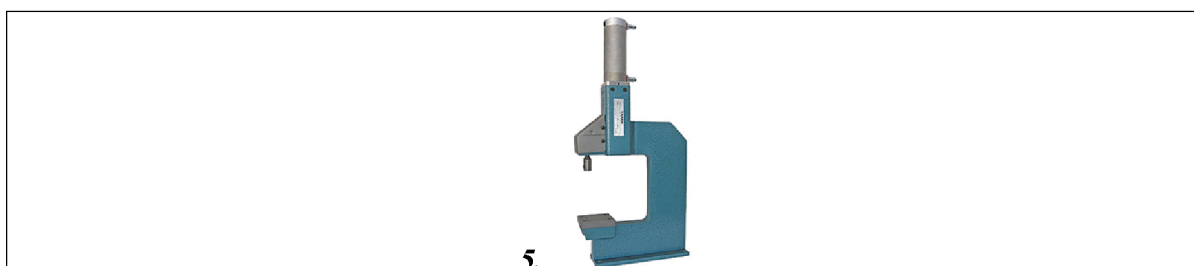
***PNEUMATIC PUNCHING MACHINE
 TH 63 106***

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 pressure -----8 bar
 W-D-H -----70 x 245 x 455 mm
 Weight -----13 kg



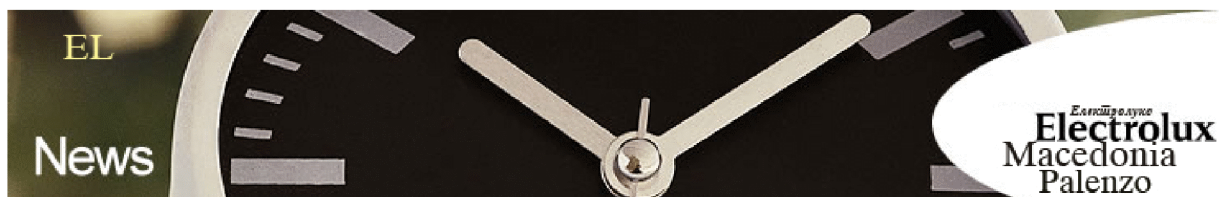
PNEUMATIC PUNCHING MACHINE
TS 16 400

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 pressure -----8 bar
 W-D-H -----70 x 280 x 580 mm
 Building in height -----95 mm
 Weight -----15 kg

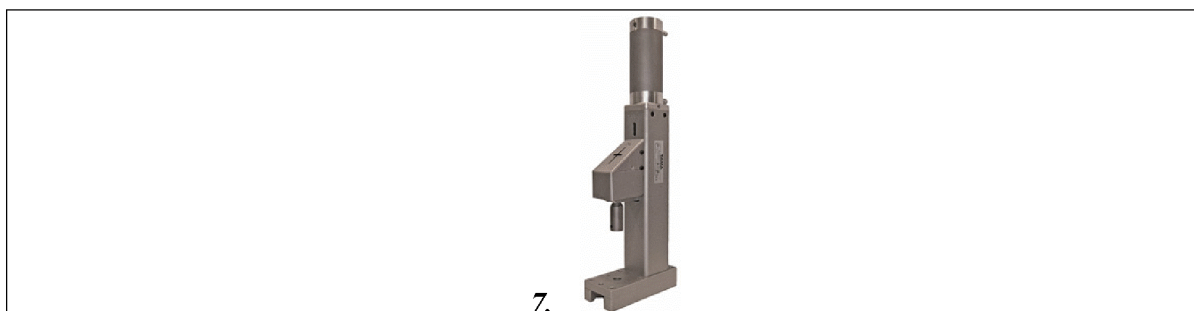


PNEUMATIC PUNCHING MACHINE
FF 11 222

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 pressure -----8 bar
 W-D-H -----80 x 185 x 430 mm
 Weight -----11 kg



7.

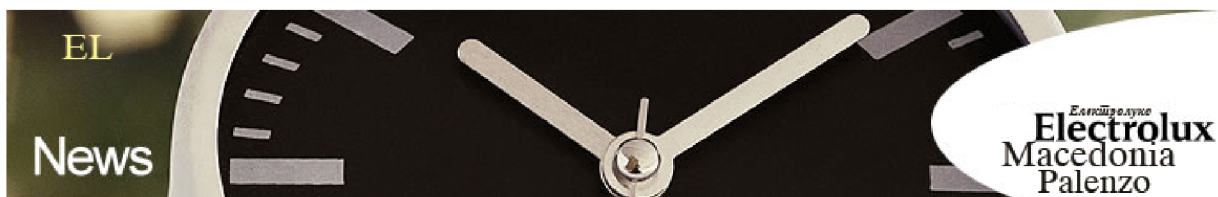
***PNEUMATIC PUNCHING MACHINE
FF 11 333***

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



8.

***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

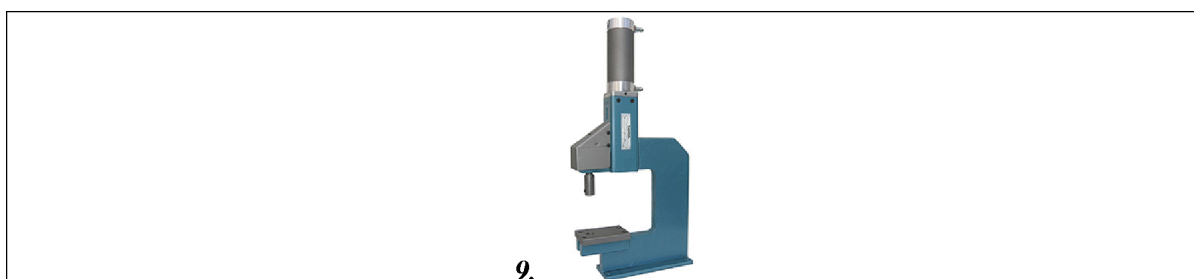
Throat depth -----150 mm

Length of stroke -----10 mm

Working pressure -----8 bar

W-D-H -----80 x 310 x 510 mm

Weight ----15 kg



***PNEUMATIC PUNCHING MACHINE
FF 11 888***

Capability in 1.5 mm standard mild steel ----- $\varnothing$ 10 mm

Punching force -----1,2 ton

Throat depth -----150 mm

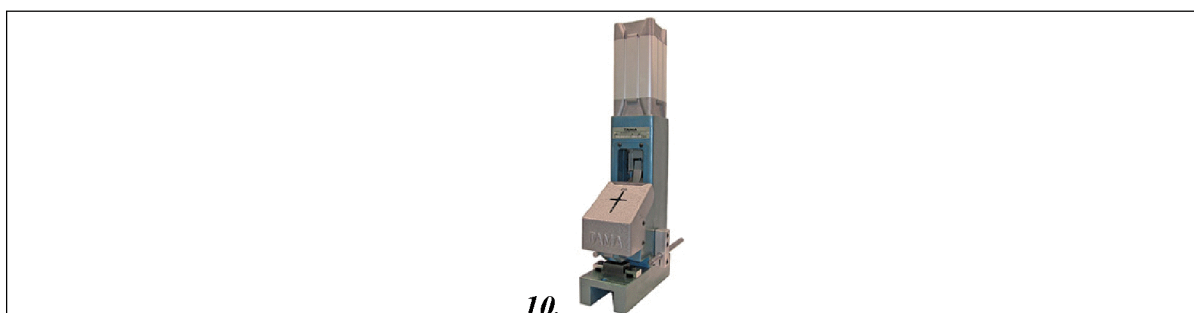
Length of stroke -----10 mm

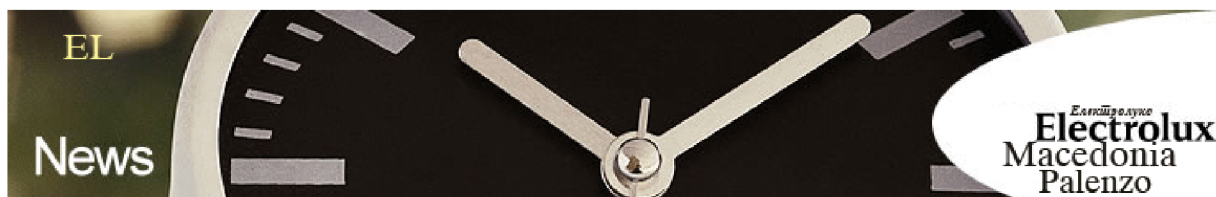
Working pressure -----8 bar

W-D-H -----80 x 310 x 630 mm

Building in height -----95 mm

Weight -----19 kg





***PNEUMATIC PUNCHING MACHINE
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

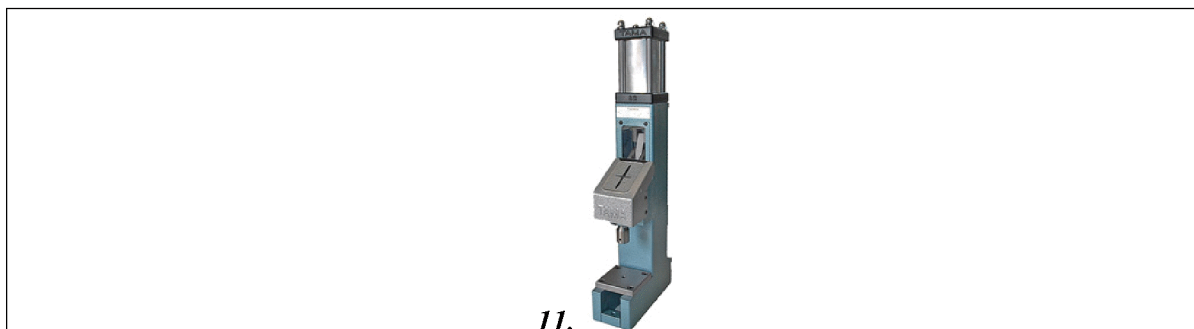
Throat depth -----55 mm

Length of stroke ----12 mm

Working pressure -----8 bar

W-D-H -----100 x 240 x 544 mm

Weight ----24 kg



11.

***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

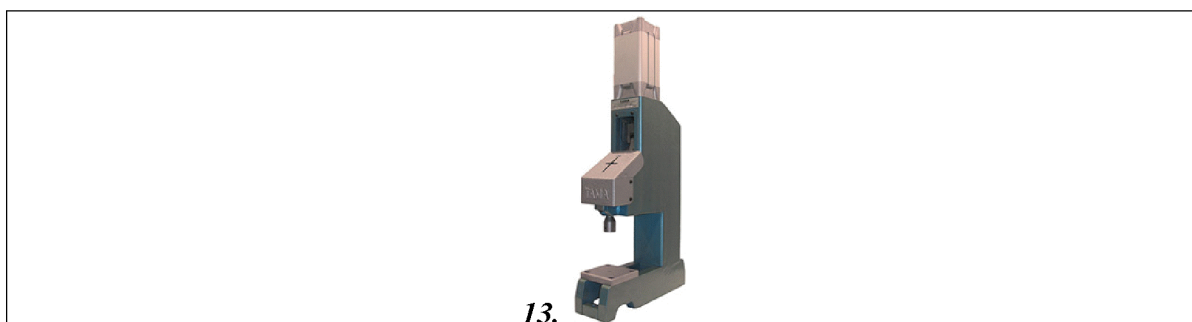


12.

***PNEUMATIC PUNCHING MACHINE
TW-1 63 102***

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

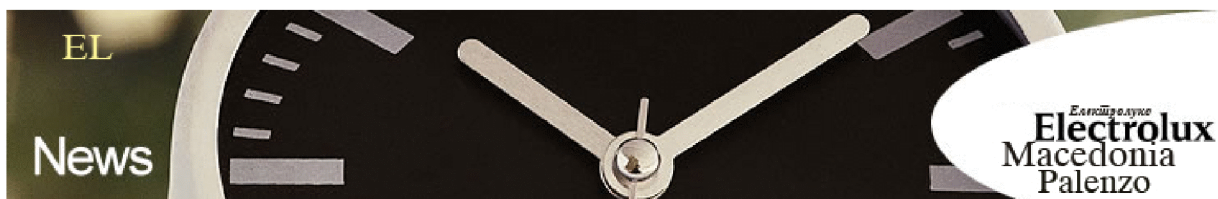
Capability in 1.5 mm standard mild steel ----- $\varnothing$ 18 mm
 Punching force -----2,1 ton
 Throat depth -----150 mm
 Length of stroke -----12 mm
 Working pressure ----8 bar
 W-D-H -----100 x 340 x 540 mm
 Weight -----34 kg



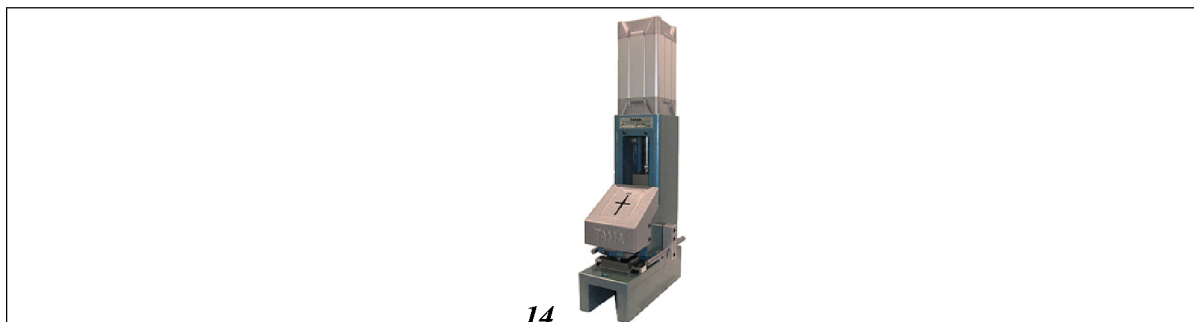
13.

***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 pressure -----8 bar
 W-D-H -----100 x 350 x 691 mm
 Building in height -----95 mm



Weight -----35 kg



14.

***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

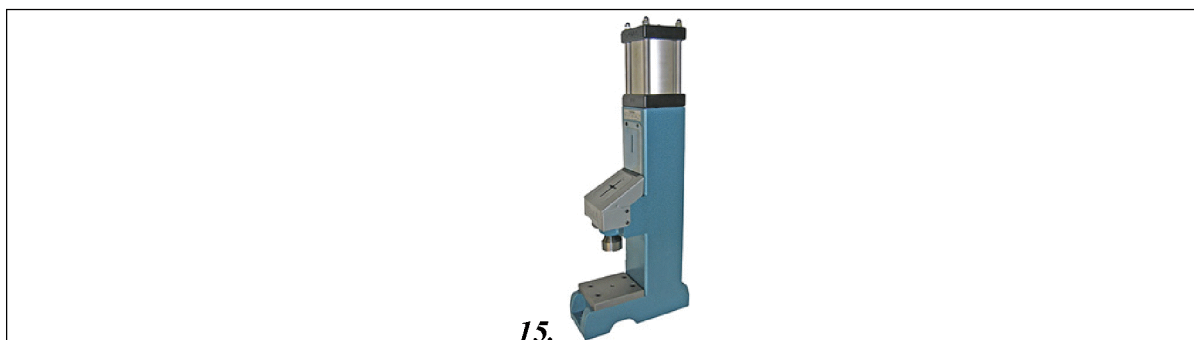
Throat depth -----65 mm

Length of stroke -----13 mm

Working pressure -----8 bar

W-D-H -----120 x 285 x 623 mm

Weight -----35 kg



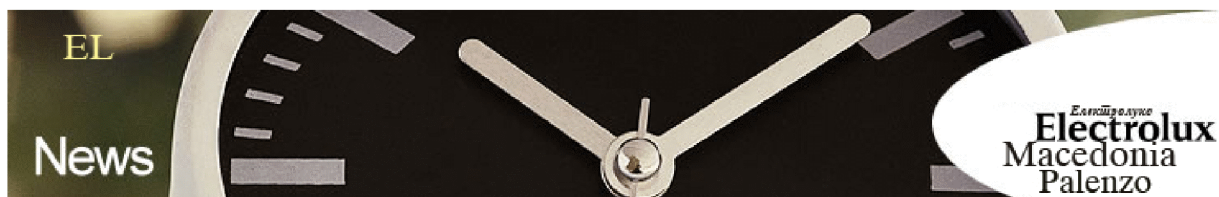
15.

***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 pressure -----8 bar
 W-D-H -----120 x 320 x 770 mm
 Building in height -----115 mm
 Weight -----50 kg



16.

***PNEUMATIC PUNCHING MACHINE
 TX-1 63 104***

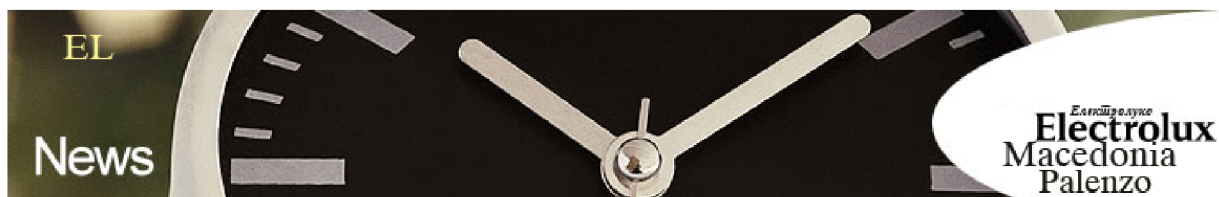
Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

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 pressure -----8 bar
 W-D-H -----120 x 405 x 523 mm
 Weight -----55 kg

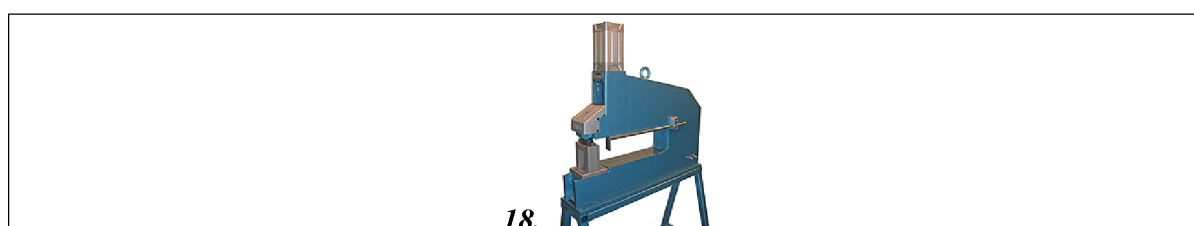


17.

***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 pressure -----8 bar
 W-D-H -----120 x 440 x 770 mm
 Building in height ----115 mm
 Weight ----60 kg

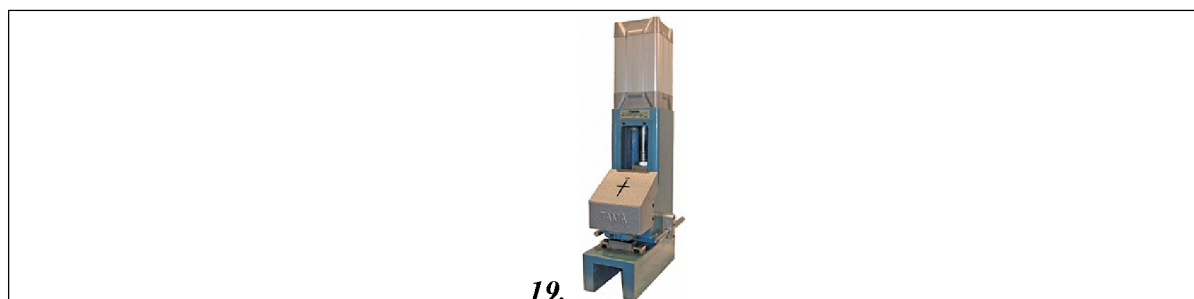


18.

***PNEUMATIC PUNCHING MACHINE
TO 20 204***

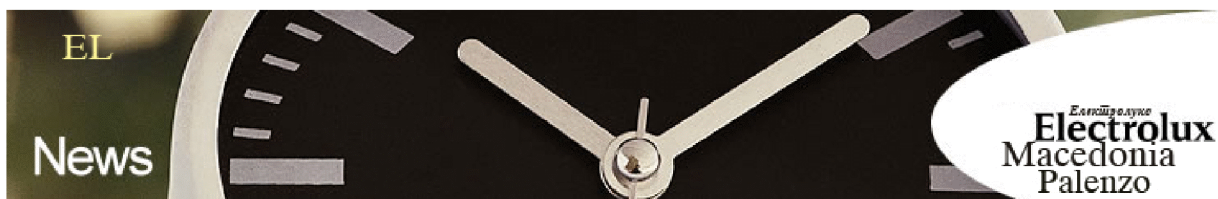
Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

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 pressure ----8 bar
 W-D-H! ex. stand ----200 x 930 x 860 mm
 Weight ----215 kg



19.

***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



20.

***PNEUMATIC PUNCHING MACHINE
TE 4444***

Capability in 2.0 mm standard mild steel ----- $\varnothing$ 28 mm

Punching force ----5 ton

Throat depth ----65 mm

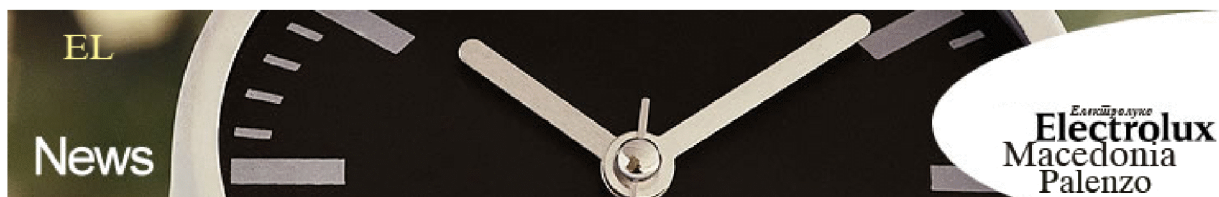
Length of stroke ----13 mm

Working pressure ----8 bar

W-D-H ----140 x 350 x 827 mm

Building in height ---135 mm

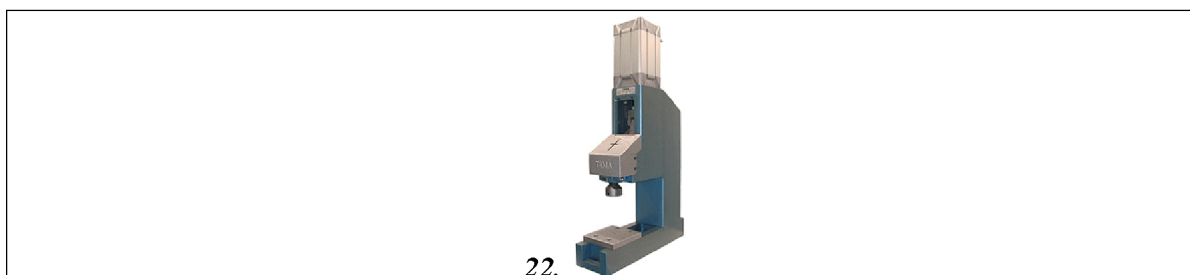
Weight ----60 kg



***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



23.

***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



24.

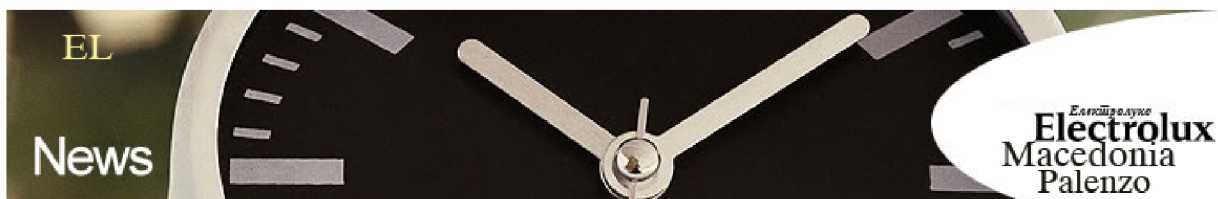
***PNEUMATIC PUNCHING MACHINE
TB 64 122 D***

Capability in 3.5 mm standard mild steel ----- $\varnothing$ 28 mm

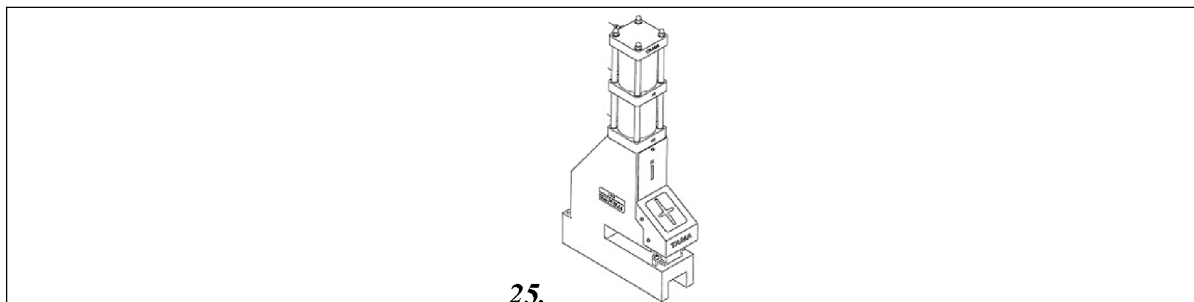
Punching force -----12 ton

Throat depth -----65 mm

Length of stroke -----13 mm



Working pressure -----8 bar
W-D-H -----180 x 420 x 1006 mm
Building in height -----135 mm
Weight -----80 kg

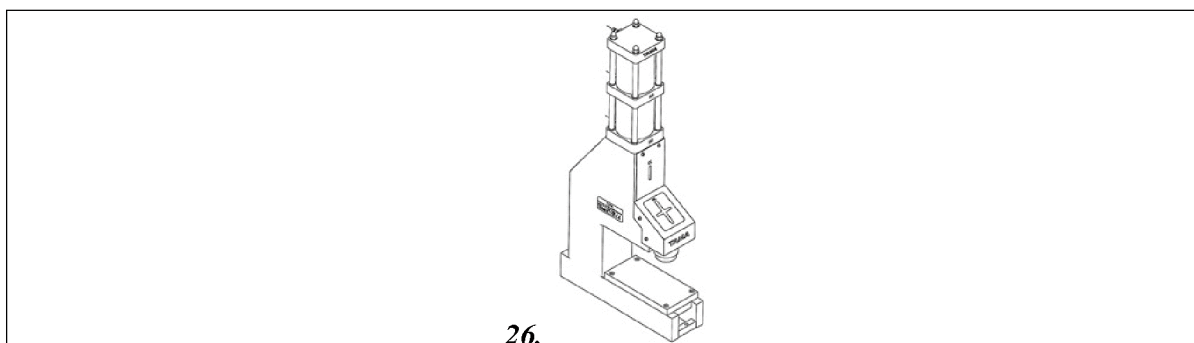


25.

***PNEUMATIC PUNCHING MACHINE
TB 64 666 D***

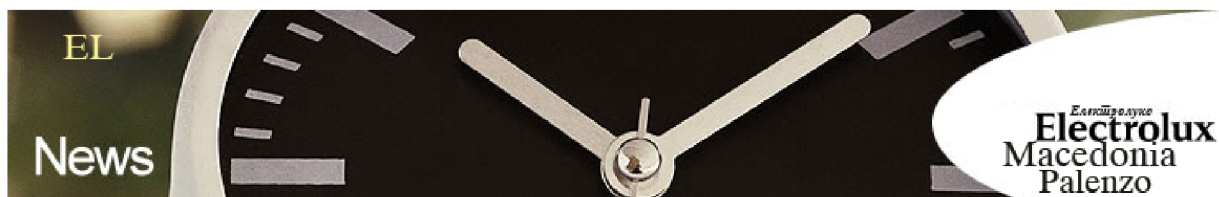
Available with punches and dies from 2-28 mm, in 1/10 mm graduations.

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

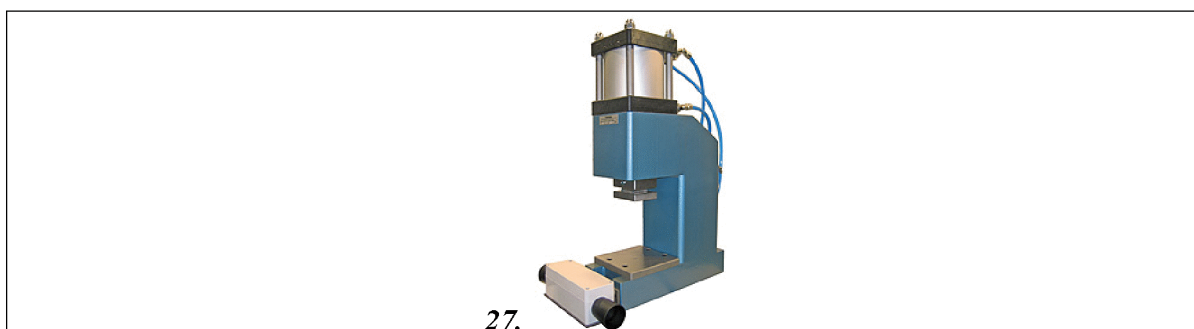


26.

***PNEUMATIC PUNCHING MACHINE
TB 64 888 D***

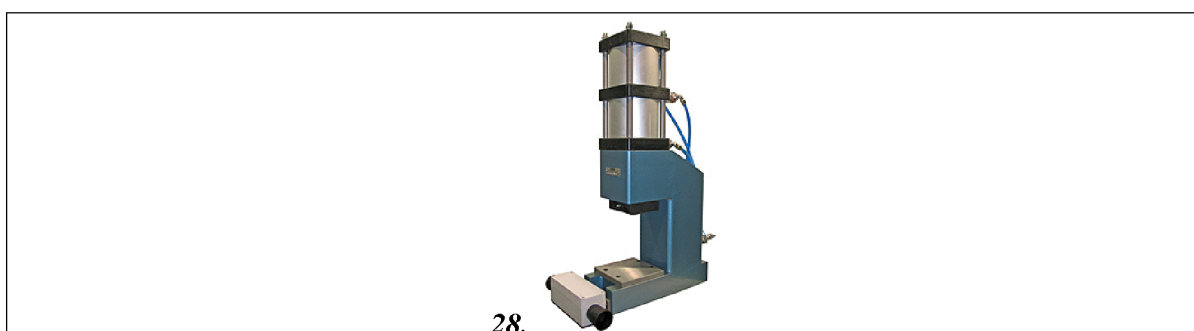


Capability in 3.5 mm standard mild steel ----- $\varnothing$ 28 mm
 Punching force -----12 ton
 Throat depth -----240 mm
 Length of stroke -----13 mm
 Working pressure -----8 bar
 W-D-H -----180 x 600 x 1046 mm
 Building in height -----135 mm
 Weight -----90 kg

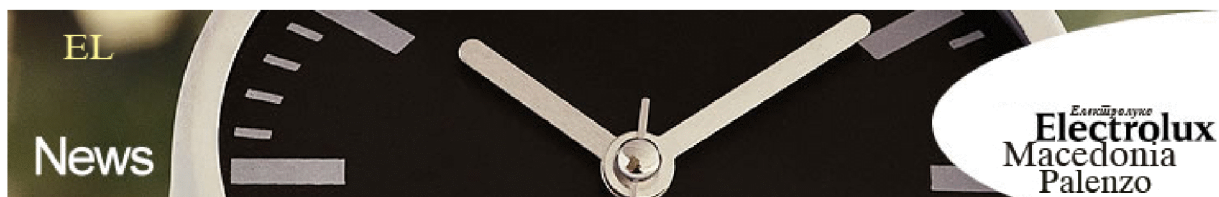


PNEUMATIC PUNCHING MACHINE
DS 160

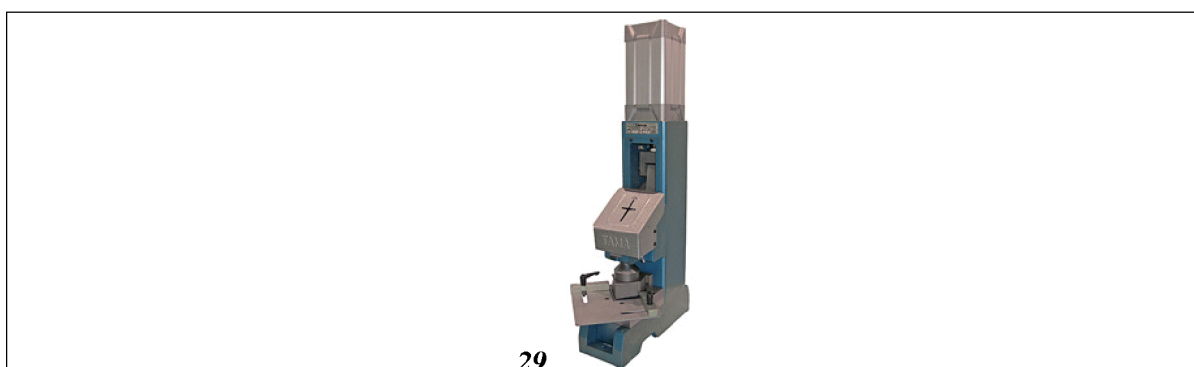
Punching force -----1,4 ton
 Throat depth -----85 mm
 Length of stroke -----50 mm
 Working pressure -----8 bar
 Weight -----50 kg



PNEUMATIC PUNCHING MACHINE
DS 160 D



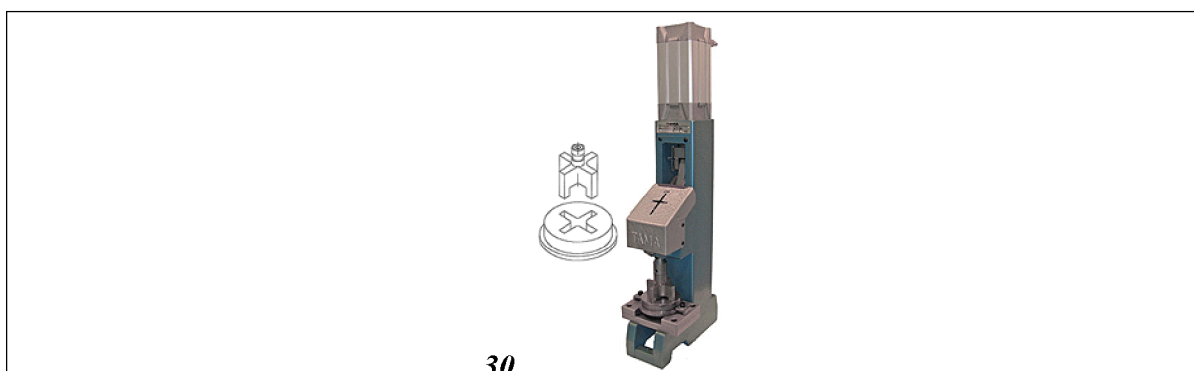
Punching force -----2,8 ton
 Throat depth -----85 mm
 Length of stroke ----50 mm
 Working pressure -----8 bar
 Weight -----60 kg



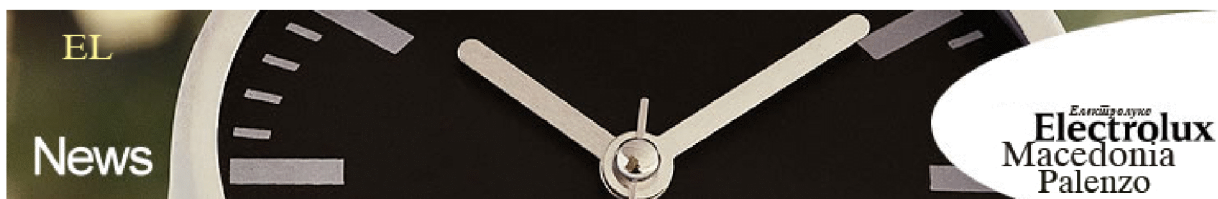
NOTCHING MACHINE
VK 10 001

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