

Punching without pilot hole with

ALFRA PRESS

AP 250

Outreach 250 mm



A



# ALFRA PRESS AP 250



Made in Germany by ALFRA

For the quick punching out of round, square, rectangular or special shapes without pre-drilling in control cabinet doors, terminal boxes, cable ducts, housings, cable guiding plates etc. up to the edge area. Tool change is easy and can be done in seconds.

### Description:

- For flexible use – on a mobile frame (optional) or mounted stationary on the workbench.
- Quick tool change helps in case of problems with many through-hole variants.
- Different die holders are available – also for punching right up to the edge.
- Punching in a row is no problem thanks to attachable fold-away stops.
- Tip: Use the laser pointer as an option – no marking, no centre-punching, a simple cross-hair with a pen is enough.
- As an "entry level solution", operation by means of a manual pump is even enough – for "punching without pilot drilling" at a favourable price.

### Technical data:

Outreach with stop:	250 mm
Outreach without stop:	265 mm
Punching stroke:	50 mm
Punching force F:	46 kN at 600 bar
Hydraulic connection:	R 1/4"
Weight without frame:	50 kg
Weight with frame:	120 kg
Space required with frame approx.:	Ø 1,000 mm

### Punching capacity:

Round	Ø 3.2 - 40.5 mm
Square	28.0 x 28.0 mm
Rectangular	22.0 x 30.0 mm
Special shapes up to a max. diagonal of	40.0 mm

### Material thicknesses (max.):

Mild steel (S235)	2.5 mm
Stainless steel (F = 600 N/mm <sup>2</sup> )	2.0 mm
Aluminium (F = 22 N/mm <sup>2</sup> )	4.0 mm
Punchable plastics	4.0 mm

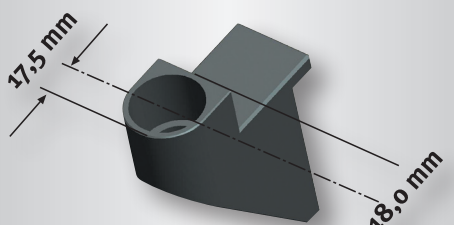
Prod.-No.  
ALFRA PRESS AP 250 (without options) 03170

### Please note:

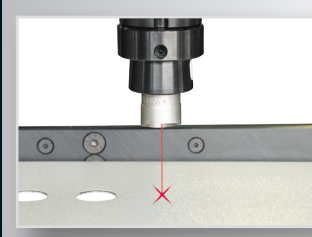
- All the round tools for ALFRA PRESS punches AP 250 - AP 800 are made of special tool steel and have a special cutting geometry developed by ALFRA.

Special tools can be made at short notice in our own tool-making department!

Performance characteristics when punching in the edge area with die holder type I



Smallest possible axis dimension (edge distance) when using die holder type I Prod.-No. 03174



Laser pointer for the optical indication of the tool centre



Cylinder prepared for the installation of a laser pointer



Limit switch for stroke limit (option)



Tool tray, can be swivelled



Length and depth stop with fold-away limit stops



Swivelled support arms, adjustable height with 2 rubber supports each (option)



We recommend our electro-hydraulic pump ALH-600 Prod.-No. 03190 as a drive.

Prod.-No. 03190





# ALFRA PRESS – OVERVIEW



**ALFRA PRESS AP 250**



**ALFRA PRESS AP 400**

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Control cabinet housing,  
control cabinet doors,  
mounting plates

Control cabinet housing,  
control cabinet doors,  
mounting plates

Prod.-No.

03170

03195

Outreach with stop in mm

250

400

Overall height in mm

820

1,700

Total weight approx.

50

220

Space required in mm

1,000 x 1,000

1,200 x 800

Tool dimensions in mm:

Round Ø

3.2 – 40.5

3.2 – 40.5

Square up to

28.0 x 28.0

28.0 x 28.0

Rectangular up to

22.0 x 30.0

22.0 x 30.0

Max. diagonals from

40.0

40.0

Max. material thickness in mm:

Steel S235 / stainless steel

2.5 / 2.0

2.5 / 2.0

Aluminium / plastic

4.0

4.0

Hydraulic system:

Mode of operation

single-acting

single-acting

Punching force F

46 kN at 600 bar

46 kN at 600 bar

Punching stroke in mm

50

50

Operating voltage

-

-

Workpiece chamfer in mm










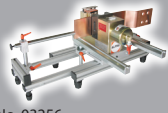






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# PUMP OVERVIEW



<p>Recommended combination ■ ■</p> <p>Possible combination ■</p>	 <b>FOOT PUMP</b>	 <b>AHP 03-01</b>	 <b>SC-05 III B</b>	 <b>DSP-120</b>	 <b>LHP 700</b>	 <b>ALH 600</b>
Prod.-No.	02121	03853	03852	02027	02140	03190
 Prod.-No. 02012 / 02013	■ ■	■ ■	■ *	■	■	■
 Prod.-No. 03200SET		■	■ ■			
 Prod.-No. 03250	■	■ ■	■ *	■	■	■
 Prod.-No. 03256	■	■ ■	■ *	■	■	■
 Prod.-No. 03258	■	■ ■	■ *	■	■	■
 Prod.-No. 03260	■	■ ■	■ *	■	■	■
 Prod.-No. 03300	■	■ ■	■ *	■	■	■
 Prod.-No. 03360/03380	■ ■	■ ■				■ ■
 AP 250		■			■	■ ■
 AP 400		■			■	■ ■

\* in combination with optional foot switch

