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Punching without pilot drilling

ALFRA PRESS

AP 250

Outreach 250 mm



Option: movable support available



Please ask for our detailed offer regarding this stationary punching machine. A detailed description is moreover found on our homepage www.alfra.de "Stationary punching products".



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STATIONARY PUNCHER – ALFRA PRESS 250

MADE IN GERMANY BY ALFRA

For quick punching out of round, square, rectangular or special forms without pilot drilling in control cabinet doors, terminal boxes, cable ducts, housings, cable guiding plates etc. up to the edge area. Easily executable tool exchange, in a matter of seconds.

Description:

- Flexibly applicable – on movable frame (optional) or stationary - mounted on the work bank.
- Quick tool exchange helps in case of problems with many through-hole variants.
- Different die holders are available – also for punching in an extreme boundary area.
- Punching in rows is not a problem by means of attachable folding stops.
- Tip: Laser pointer used as option – no scribing, no centre punching, a simple cross-hair with a pen is enough.
- As a "starting solution" even actuation by means of a manual pump is sufficient – so that punching without pilot drilling" is cost-effectively possible.

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 needed with frame approx:	Ø 1000 mm

Punching capacity:

Round from	Ø 3.2 - 40.5 mm
Square up to	28.0 x 28.0 mm
Rectangle up to	22.0 x 30.0 mm
Special forms up to a Max. diagonal of	40.0 mm

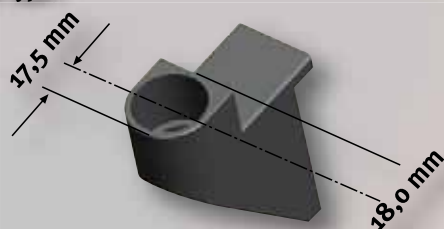
Material thickness:

Steel sheets $F = 370 \text{ N/mm}^2$ up to	2.5 mm
Stainless sheets $F = 600 \text{ N/mm}^2$ up to	2.0 mm
Aluminium $F = 22$ up to	4.0 mm
Plastics can be punched up to	4.0 mm

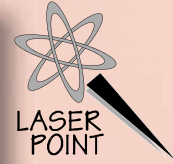
Hint:

- All round tools for ALFRA PRESS punches AP 250 - AP 800 are made of special tool steel and are provided with a special cutting geometry developed by ALFRA. With these tools one can machine sheets made of steel, stainless steel and aluminium.
- Special tools can be made in our own workshop at short notice.

Performance characteristics when punching in boundary area with dies holder Type I



Smallest possible axis dimension (edge distance) under application of die holder Type I



Laser pointer for optical indication of tool centre



Cylinder prepared for installing a laser pointer



End switch for stroke limit (optional)



Tool tray, can be swivelled



Length- and depth fence with fold-away limit stops



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



As drive, we recommend our electrohydraulic pump ALH-600 Prod.-No. 03190 (see Page 1/28). When using other drives, the piston velocity in punching direction may not exceed 10 mm per second.