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ALFRA

Punching without pilot drilling

ALFRA PRESS

AP 500 LPV

Outreach 500 mm



Front standing legs can be moved 150 mm backwards for more working space on the front side.

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 500 LPV

MADE IN GERMANY BY ALFRA

Outreach 500 mm

The stationary punching machine has been developed for control cabinet and switchgear manufacturers, for quick punching of round, square, rectangular or special forms in sheets and control cabinet doors up to 2000 mm x 1000 mm and 30 mm folding height. Punching is possible up to the edge area. Easily executable tool exchange, quickly in a matter of seconds. Even control cabinets/housing from 300 mm depth onwards can be machined.

Description:

- Stable pressing body with adjustable standing feet.
- Double-acting hydraulic cylinder, flanged on machine body via force and positive connection.
- Non-rotationally arranged piston rod \varnothing 55 mm, made of hardened and tempered stainless steel with tool holder.
- Die seat, frictionally connected with the pressing body.
- Quick tool exchange helps in case of problems with many through-hole variants.
- Down-holder with protective function, fastened with electric safety locking for accident prevention.
- Adjustable height of length and depth stop – available in 2 variants.
- Measuring tape indication of length and depth stop.
- Two-circuit hydraulic unit with electric pump, oil container and magnetic valves (very quiet).
- Safety foot switch with double pedal for infinitely variable operation of the punching and return stroke.
- Tip: Laser pointer used as option – no scribing, no centre punching, a simple cross-hair with a pen is enough.

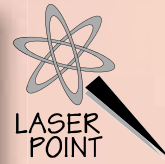
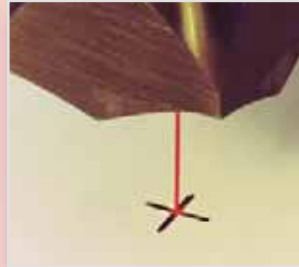
Technical Data:

Outreach with stop:	500 mm
Outreach without stop:	540 mm
Punching stroke:	66 mm
Punching force F:	48 kN at 130 bar
Motor power:	0.37 kW
Operating voltage:	220 V
Weight approx:	200 kg
Overall height:	1.500 mm
Working height:	1.000 mm
Width of punching head:	130 mm
Depth of punching body:	950 mm
Length of the stop rail:	1.500 mm
Space needed approx:	1500 x 1500 mm
Punching capacity:	
Round from	\varnothing 3.2 - 63.5 mm
Square up to	46.0 x 46.0 mm
Special forms up to a max. diagonal of	60.0 mm
Material thickness:	
Steel sheets F = 370 N/mm ² up to	3.0 mm
stainless sheets F = 600 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

Notes:

- 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 at short notice in our own tool-making department!



Laser pointer for optical indication of tool centre



Electric safety locking for accident prevention.



Stop system movable in Y-direction, 2 guiding shafts in pressing body.



Die seat holder



Measuring tape indicator for Y axis



Two-circuit hydraulic unit