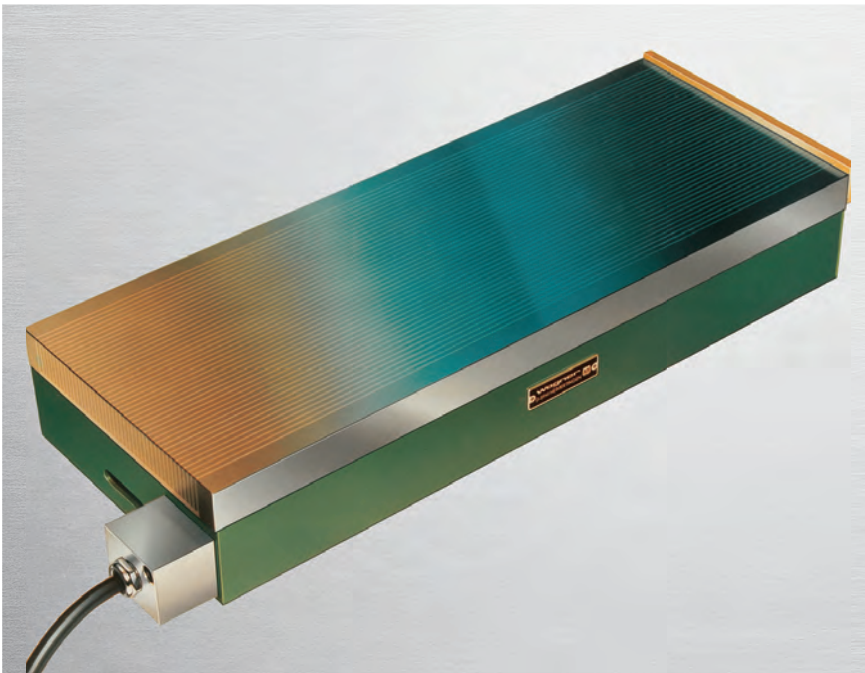


## Electro-Permanent-Magnet-Clamping-Plate



### Design:

- Protection class IP 65
- Magnet operating time: 100 %

### Delivery includes:

- Holding bar on the front
- 1.5 m cable
- Clamping shoes

### Electrical connection via:

Electronic pole-reversal control units.

These devices, designed especially for controlling clamping magnets, function to facilitate the power supply and simultaneously as demagnetisation devices. A microprocessor controls and monitors all functions and offers optimal switching comfort with numerous control and monitoring functions. The adhesive force is adjustable in up to 16 stages. In addition, these pole-reversal control units also allow additional configuration of parameters and optimised settings. All device types offer particularly impressive shifting dynamics.

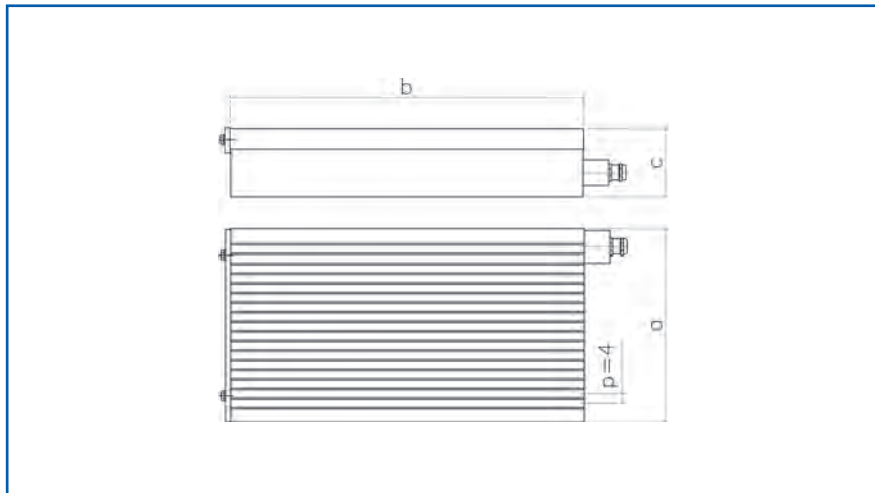
**Type 1130 with narrow longitudinal pole spacing** combines the advantages of advanced permanent magnet systems with the switching possibilities of a purely electrical system.

A very short electrical pulse is all that is required to activate the magnet system. The unit is then current free. This guarantees that the device doesn't heat up and means the highest precisions can be achieved.

A power failure has no impact on the operational safety of the magnets. The state of the art magnet system produces a strong and extremely uniform holding force across the entire clamping surface. The narrow longitudinal pole spacing with a pole distance of 4 mm is especially suitable for clamping workpieces in the

cross direction (example: profile grinding). The special arrangement of the magnetic poles provides high security against shifting across the pole spacing in this type of application.

Magnet control is provided by the tried and tested Wagner pole reversal control unit. Stepwise settable holding force regulation is a control component and provides high operator comfort. To dissipate residual magnetism in the workpieces and clamping plate after the work is completed, a controlled pole reversal is performed automatically in several intervals that can be easily adjusted to suit different work-pieces. The work-pieces can then be easily removed from the magnetic plates.



## Electro-Permanent-Magnet-Clamping-Plates

### Type 1130

with narrow longitudinal pole spacing

#### Characteristics:

- Highest level of precision –
- Activated magnet remains cold.
- Highest level of safety –
- Holding force even after power failure.
- Energy-conscious –
- Power used only for short pulses
- Narrow pole spacing –
- Also for small and awkward work pieces

### Dimensions and technical data:

Type	Width a [mm]	Length b [mm]	Height c [mm]	Pole space p [mm]	Weight [kg]	Connection value Pole-reversal control unit [V/A]*
1130-15/20	152	202	82	4	18	210/10
1130-15/30	152	302	82	4	26	210/10
1130-15/40	152	402	82	4	35	210/30
1130-17.5/45	177	452	82	4	46	210/30
1130-17.5/50	177	502	82	4	51	210/30
1130-20/60	202	602	82	4	70	210/30
1130-20/80	202	802	82	4	93	360/30
1130-20/100	202	1002	82	4	116	360/30
1130-25/60	252	602	82	4	87	360/30
1130-25/80	252	802	82	4	116	360/30
1130-25/100	252	1002	82	4	145	360/60
1130-30/60	302	602	82	4	104	360/30
1130-30/80	302	802	82	4	139	360/60
1130-30/100	302	1002	82	4	174	360/60
1130-30/120	302	1202	82	4	208	360/60
1130-35/80	352	802	82	4	162	360/60
1130-35/100	352	1002	82	4	202	360/60
1130-35/120	352	1202	82	4	243	360/60
1130-40/80	402	802	82	4	185	360/30
1130-40/100	402	1002	82	4	231	360/60
1130-40/120	402	1202	82	4	277	360/60
1130-50/80	502	802	82	4	231	360/30
1130-50/100	502	1002	82	4	289	360/60
1130-50/120	502	1202	82	4	346	360/60
1130-60/100	602	1002	82	4	346	360/60x2
1130-60/120	602	1202	82	4	415	360/60x2

Other dimensions are available upon request

\* = 210 V d.c. variants are also available with 360 V d.c. nominal voltage