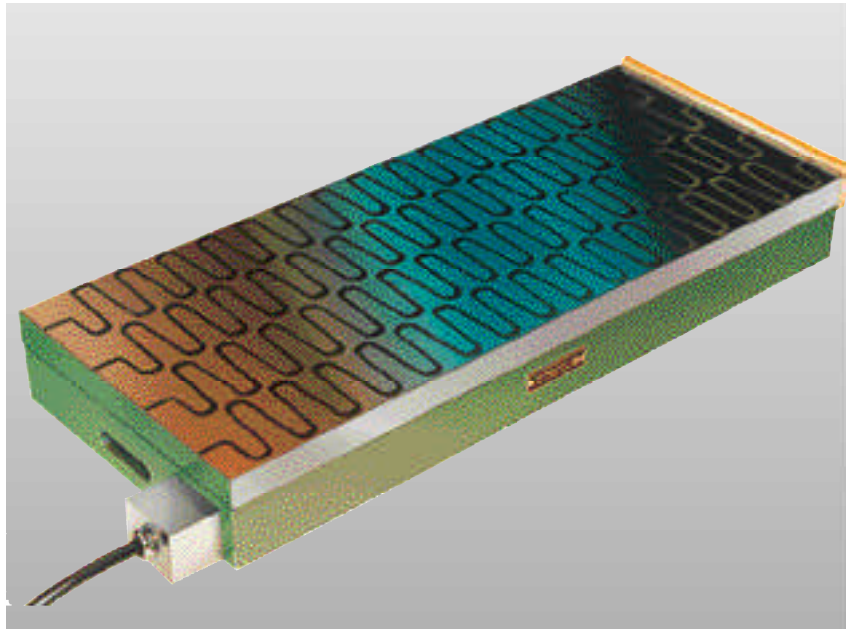


# Electro Permanent Magnet Clamping Plate

## L 1150e



### High holding force through sinusoidal pole spacing – Our type 1150

The individual poles on the symmetrically arranged pole plate surfaces are setup in transverse as well as longitudinally alternately north and south polarities. This construction enables clamping right to the edge of the pole surface as the magnetic force is distributed uniformly over it. The direct pole support provides a considerable increase in holding force with sinusoidal pole spacing. This makes these magnets suitable for high performance rough grinding. Workpieces with high alloy content can also be held more securely. Sinusoidal pole spacing with pole distances of 11 mm, 14 mm, 18 mm, 25 mm and 36 mm are offered for holding workpieces - of all sizes - from the washers to the rough steel-plates. Tapped holes and profiles etc. can be inserted in the pole plate. You can also

rework and renew them as wearing parts.

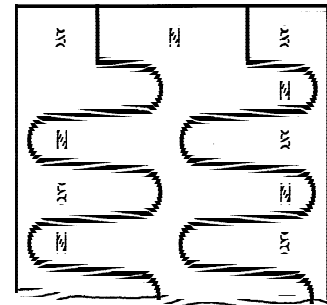
The Electro Permanent Magnet Clamping Plates combine the holding force of permanent magnets with the advantage of switching possibilities associated with an electrical system. This provides all the prerequisites for precision, safety and operating comfort.

During an operation the power feed is interrupted so that no heat is generated by the activated magnets.

This eliminates any potential precision problems caused by temperature fluctuations.

Switching operations are triggered by a short current pulse. The homogenous construction design of the magnet system and the pole plate offers high precision. In the event of a power failure, the active clamping plate retains full holding force which guarantees operational safety.

In addition, the power feed can be disconnected from the magnets after the current pulse has been triggered. The magnet holding the workpiece can be used in several stations (pallet exchange system) without a current supply. Electro Permanent Magnet Clamping Plates are controlled by our listed range of electronic pole reversal units.



### Design:

Protection class IP 65

Magnet operating time: 100 %

### Delivery includes:

Holding bar on the front

1.5 m cable

Clamping shoes

### Connection possible to:

#### Electronic pole reversal unit type 752/754

with switching capacity up to 30 and 60 Amp.

Permissible mains voltage:

230 V or 400 V, 50/60 Hz

#### Electronic pole reversal unit type 753

with switching capacity up to 10 Amp.

Permissible mains voltage:

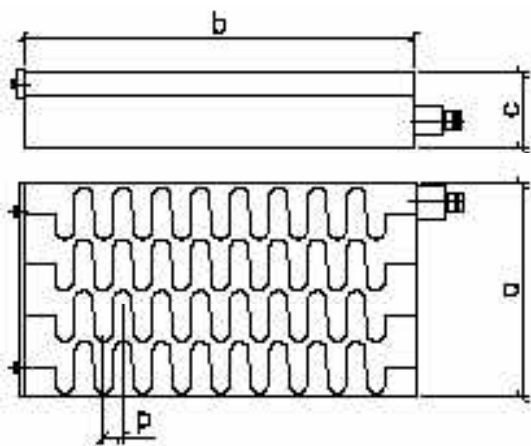
230 V, 50/60 Hz

For details, please refer to the brochures L 752, L 753, and L 754

Technology  
Full Of Attraction



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## Electro Permanent Magnet Clamping Plates

### Type 1150

with sinusoidal 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

### Dimensions and technical data:

Type	Width (a) [mm]	Length (b) [mm]	Height (c) [mm]	Pole spacing (p) [mm]	Weight [kg]	nom. power conn. [Volt/Ampere]*
1150-10/20	102	202	83	11-14-18	12	210/10
1150-10/30	102	302	83	11-14-18	18	210/10
1150-10/40	102	402	83	11-14-18	24	210/10
1150-15/20	152	202	83	11-14-18	18	210/10
1150-15/30	152	302	83	11-14-18	27	210/10
1150-15/40	152	402	83	11-14-18	36	210/10
1150-20/30	202	302	83	11-14-18	35	210/10
1150-20/40	202	402	83	11-14-18	47	210/10
1150-20/50	202	502	83	11-14-18	59	210/10
1150-20/60	202	602	83	11-14-18	71	210/10
1150-20/80	202	802	83	11-14-18	94	210/30
1150-20/100	202	1002	83	11-14-18	118	210/30
1150-25/50	252	502	83	11-14-18	73	210/10
1150-25/60	252	602	83	11-14-18	88	210/10
1150-25/80	252	802	83	11-14-18	117	210/30
1150-25/100	252	1002	83	11-14-18	147	210/30
1150-30/60	302	602	83	11-14-18-25	106	210/10
1150-30/80	302	802	83	11-14-18-25	141	210/30
1150-30/100	302	1002	83	11-14-18-25	176	210/30
1150-30/120	302	1202	83	11-14-18-25	211	210/30
1150-30/150	302	1502	83	11-14-18-25	264	210/30
1150-40/60	402	602	83	11-14-18-25	141	210/10
1150-40/80	402	802	83	11-14-18-25	187	210/10
1150-40/100	402	1002	83	14-18-25-36	234	210/30
1150-40/120	402	1202	83	14-18-25-36	281	210/30
1150-40/150	402	1502	83	14-18-25-36	351	210/30
1150-40/200	402	2002	83	14-18-25-36	468	210/30
1150-50/60	502	602	83	14-18-25-36	176	360/30
1150-50/80	502	802	83	14-18-25-36	234	360/30
1150-50/100	502	1002	83	14-18-25-36	292	360/30
1150-50/120	502	1202	83	14-18-25-36	351	360/30
1150-50/150	502	1502	83	14-18-25-36	438	360/30
1150-50/200	502	2002	83	14-18-25-36	584	360/30
1150-60/100	602	1002	88	14-18-25-36	372	360/30
1150-60/120	602	1202	88	14-18-25-36	446	360/30
1150-60/150	602	1502	88	14-18-25-36	557	360/30
1150-60/200	602	2002	88	14-18-25-36	742	360/30
1150-70/100	702	1002	88	14-18-25-36	433	360/30
1150-70/150	702	1502	88	14-18-25-36	650	360/30
1150-70/200	702	2002	88	14-18-25-36	866	360/30
1150-80/100	802	1002	88	14-18-25-36	495	360/30
1150-80/150	802	1502	88	14-18-25-36	742	360/30
1150-80/200	802	2002	88	14-18-25-36	989	360/30

Other dimensions and pole spacings are available upon request

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