wagner magnete

0112N

Permanent-Magnet-Clamping-Plate

Permanent-Magnet-Clamping-Plates are mechanically switchable. The use of magnetic materials exploiting the latest know-how and a stable structure help guarantee optimal adhesive forces and superb accuracy on the pole plate surface.

The unit can be switched on and off via stable gear levers, for which minimal switching power is required compared to the high magnetic performance.

The magnetic systems are maintenance-free. If the surface of the pole plate has become uneven after extended use, it can be made smooth again by carefully reworking, which means the unit will retain all its adhesive force and the planning accuracy.

Design:

- Mechanically switchable magnetic system with removable hexagon hand lever.
- Very solid design for very precise applications.
- Strong clamping forces are achieved by using high-perfor-mance neodymium-magnets for plates with a small construction height.
- The offset base plate of the permanent magnet clamping plate with clamping claws offers the possibility of a quick fixation with optional positioning on the table
- Due to the continous transversal pole spacing the clamping force is equal over the whole width of the magnet.

Applications:

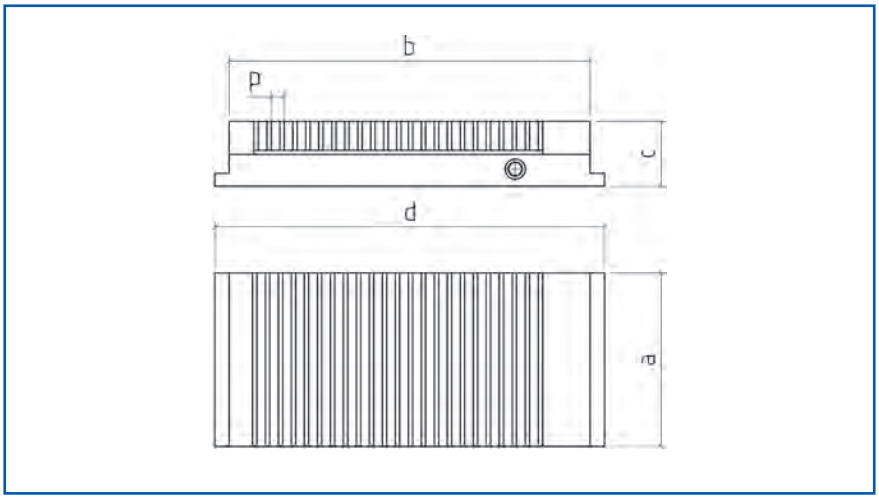
- 4 mm pole spacing for the clamping of very thin workpieces for grinding and precise milling
- 9 mm pole spacing for the treatment of workpieces for machining like drilling, milling and grinding
- Fixation of workpieces on measuring instruments
- As assembling device

Special features:

- Additional thread borings
- cavities in the pole face

Delivery scope:

- Adjusting lever



Permanent-Magnet-Clamping-Plates

Type 0112N

with continuous transverse pole pitch

Dimensions and technical data:

Type	Width a [mm]	Pole plate length b [mm]	Overall length d [mm]	Height c [mm]	Pole space p [mm]	Adhesive Force [N/cm²]	Weight [kg]
0112N-12/25-4	120	250	270	45	4	80	10,5
0112N-12/25-9	120	250	270	45	9	80	10,5
0112N-15/30-4	150	300	320	45	4	80	15,7
0112N-15/30-9	150	300	320	45	9	80	15,7
0112N-15/40-4	150	400	420	45	4	80	21
0112N-15/40-9	150	400	420	45	9	80	21
0112N-15/45-4	150	450	470	45	4	80	24
0112N-15/45-9	150	450	470	45	9	80	24
0112N-20/40-4	200	400	420	50	4	80	30
0112N-20/40-9	200	400	420	50	9	80	30
0112N-20/50-4	200	500	520	50	4	80	39
0112N-20/50-9	200	500	520	50	9	80	39

To achieve uniform adhesive force over the entire clamping surface and facilitate the clamping of even small workpieces, clamping magnets with various pole spacing and pole distance are manufactured. The clamping surface is therefore designed alternately with north and south poles. The pole gap comprises non-magnetic material.

4 mm pole spacing = 3 mm wide steel pole + 1 mm wide brass fin
9 mm pole spacing = 6 mm wide steel pole + 3 mm wide brass fin