SAV 243.78 ELECTRO PERMANENT MAGNETIC CHUCKS

With universal round pole pitch

For large-area, thin parts, e.g. for widening weld seams.

DESIGN

- Steel pole diameter 60 mm
- Design with linear (**A**) or offset (**B**) pole grid
- Larger systems as combination of several magnets
- Complete surface magnetically active also for direct placement
- Solid monoblock design with demagnetising cycle
- Robust and water-tight
- Protection rating IP 65
- Electro-permanent magnetic system for absolute safety in case of power failure
- System on the underside of the machine table magnetically isolated to protect drive and measuring systems
- Pole gap also available in solid brass on request (surcharge applies)
- Tapped hole grid M8 for optional pole shoes
- 12 mm wear layer on the pole plate
- Table fastening size 600 x 300 with 2 clamps on the edge
- Table fastening size 600 x 400 to 1000 x 500 with 4 clamps on the edge
- Table fastening size 1000 x 500 with through holes on request
- Electrical connection up to size 1000 x 500 with heavy-duty power connector, permanent connection for larger sizes
- Fastening with through holes on request
- Threaded holes for round poleshoes as an option (**M**)

RATED HOLDING FORCE

- When using pole raisers: 3200 N/pole
- For direct placement: 900 kN/m²

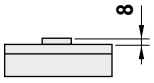
RATED VOLTAGE

360 V IMP

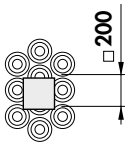
APPLICATION

- For chucking thinner plates, e.g. weld seam preparation and for milling of hard parts and higher alloyed materials. Please contact us for more information
- Amplified magnet system with demagnetising cycle, also suitable for hard milling
- Universal for a variety of different part geometries 5-side machining possible when using pole shoes (mobile and fixed) to create free space for tools
- Suitable for medium and large-surface systems
- Round version available on request

- For workpieces:
  Min. thickness = 8 mm



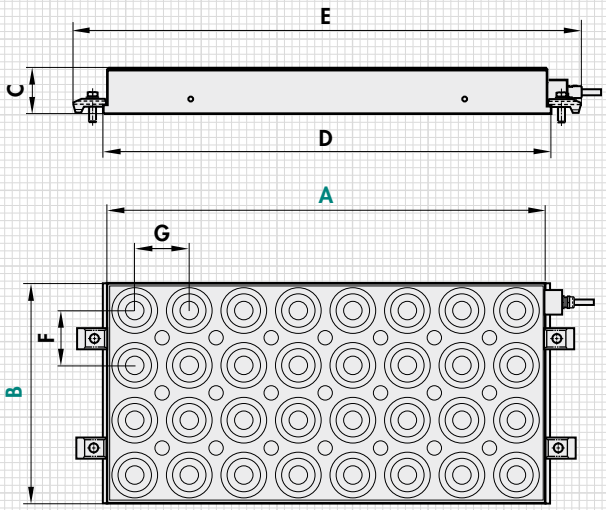
- For flat workpieces:
  Min. size = 200 x 200 mm



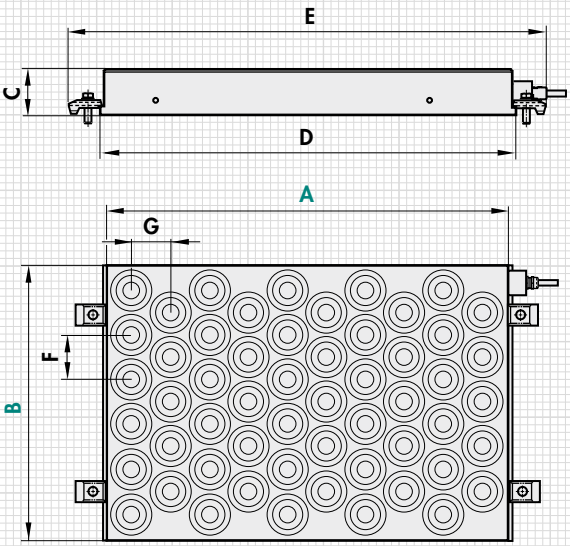
SCOPE OF DELIVERY

- Up to 525 mm width with 2 clamps, with 4 clamps for larger widths
- 3 m connecting cable, protective hose optionally possible
- Includes lifting plates
- Control and control unit not included (see SAV 876.17)
- Clamps

Version A – linear pole pattern



Version B – offset pole pattern



Dimensions for version A – linear pole pattern:

mm							Qty.	daN	kg	A
A	B	C	D	E	F	G	No. of poles	Total holding force on pole rounds	Weight	Control max. pul. Current
600	300	80	616	720	100	100	18	5760	113.0	30
600	400	80	616	720	100	100	24	7680	151.0	30
800	400	80	816	920	100	100	32	10240	201.0	30
1000	500	80	1016	1120	100	100	50	16000	314.0	60
1200	600	80	1200		100	100	72	23040	453.0	60
1600	600	80	1600		100	100	96	30720	604.0	60
2000	600	80	2000		100	100	120	38400	755.0	60x2
2000	800	80	2000		100	100	160	51200	1006.0	60x2

Dimensions for version B – offset pole pattern:

mm							Qty.	daN	kg	A
A	B	C	D	E	F	G	No. of poles	Total holding force on pole rounds	Weight	Control max. pul. Current
600	350	80	616	720	100	85	22	7040	132.0	30
600	440	80	616	720	100	85	27	8640	166.0	30
800	440	80	816	920	100	85	37	11840	221.0	30
1000	525	80	1016	1120	100	85	57	18240	330.0	60
1200	610	80	1200		100	85	80	25600	460.0	60x2
1600	610	80	1600		100	85	108	34560	614.0	60x2
2000	610	80	2000		100	85	136	43520	767.0	60x2
2000	800	80	2000		100	85	175	56000	1006.0	60x3

ORDERING EXAMPLE

Designation	SAV no. - A x B - version - number of poles - option - rated voltage
Electro permanent magnetic chuck	SAV 243.78 - 2000 x 800 - A - 160 - M - 360 V