

## Electro-Permanent Magnetic Chuck

SAV 243.79

With hexagonal poles for milling

Developed especially for universal use on milling machines. Double, enhanced magnetic system for extreme high holding forces at low magnetic field height.

### Use:

For heavy milling operation with high chip removal. Ideal for use on pallet changing systems.

- for milling operations, high chip removal
- for workpieces min. 16 mm thick
- for workpieces with min. dimensions of 100 x 100 mm<sup>2</sup>

### Execution:

- optimized high energy magnetic system
- low design
- holding forces in physically possible maximum
- multidimensional flux lines
- low stray losses – high efficiency
- equally spread holding forces
- hexagonal pole configuration allows a universal application
- the magnetic system with high intensity also bridges bigger air gaps
- total chuck surface active, no dead zones
- low magnetic field height
- electro-permanent magnetic system for absolute safe operation during power failure
- pole separation with brass for optimal wear behaviour
- tapped holes M8 for optional pole raisers
- pole surface wearing limit 8 mm
- clamping edges on both longitudinal sides
- robust und waterproof
- sealed to IP 65
- for use with control unit type SAV 876.10

### Nominal operating voltage:

- 360 V DC
- Control unit 400 V AC

### Nominal holding force:

- 150 N/cm<sup>2</sup>
- 450 daN per pole
- adjustable with control unit with encoded switch

### Scope of supply:

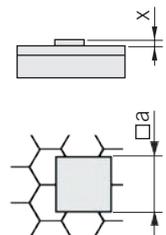
- connecting cable, 3 m, on right-hand short side, back
- clamps
- on request available with industrial watertight plug-in type connector
- lifting bolts on larger models.



### Application:

For heavy milling with high feed. Ideal for application on pallet exchange systems.

- for work pieces with min. thickness of  $X = 16$  mm
- for flat work pieces with min.  $a = 100 \times 100$  mm<sup>2</sup>



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### Accessory pole raisers:



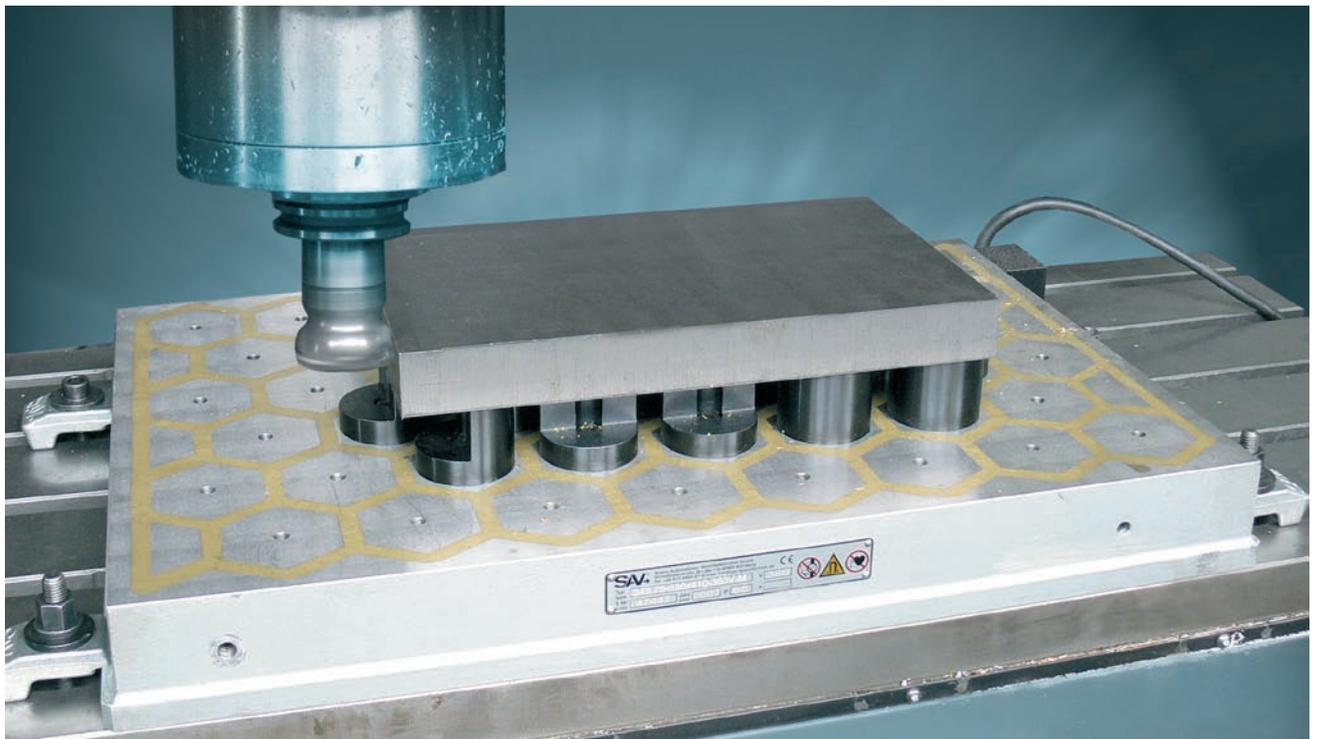
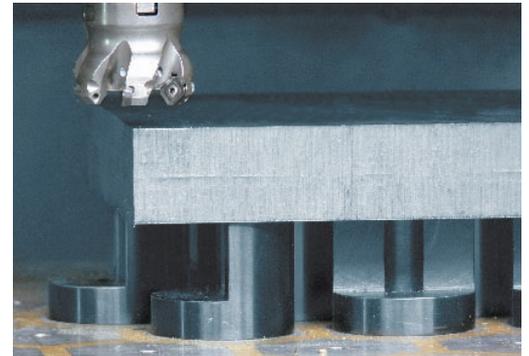
full pole raiser  
SAV 248.70-55-  
PVS-RV



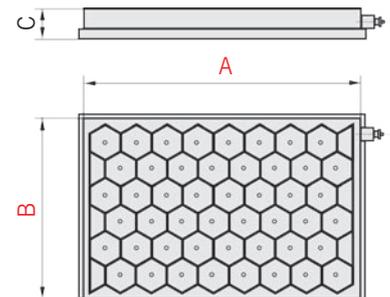
half pole raiser  
SAV 248.70-55-  
PVS-RH



flexible pole raiser  
SAV 248.70-60-  
PVF-RV



Dimension in mm			Number of poles	Chuck voltage in V	Weight in kg	Control unit max. imp. current in A	Suitable control unit
A	B	C					
360	250	68	12	360	45	30	876.10
500	350	68	30	360	88	60	876.10
630	450	68	48	360	143	60	876.10
770	500	68	56	360	194	60 x 2	876.10



Ordering example: **Electro-Permanent Magnetic Chuck** SAV 243.79 - 770 x 500 - 360 V  
 Ordering key: Name SAV - No. - A x B - Chuck voltage

Ordering example: **Full pole-raiser** SAV 248.70 - 55-PVS-RV  
 Ordering key: Name SAV - No. - Execution