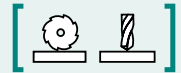


**SAV 243.76 /  
SAV 220.76**

## ELECTRO PERMANENT MAGNETIC CHUCKS

With transverse pole pitch  $P = 35, 65, 85$  mm



Milling magnet also for hard machining.  
Amplified magnet system with demagnetising cycle.  
Optimised system for high holding forces.  
Magnetically fully saturated system thanks to flux concentration.  
Design **SAV 220.76** square (pallet),  
Design **SAV 243.76** rectangular.



**SAV 220.76**  
Pole pitch 35, 65



**SAV 243.76**  
Pole pitch 35, 65, 85

### DESIGN

- System for optimised holding force with demagnetising cycle
- Complete surface magnetically active, no "dead zones"
- Solid monoblock design
- Electro-permanent magnetic system for absolute safety in case of power failure.
- With heavy-duty power connector at front right
- Pole gap with brass, wear-protected
- 8 mm wear layer on the pole plate
- Optionally with grid thread drilling template for pole bars or pole shoes possible (**M**)
- Pole pitch 65 mm and 85 mm optionally with T-slots  
DIN 650-10H10 (**T**)
- Chucking slots on the short sides
- Square versions **SAV 220.76** optionally with zero point workholding system upon agreement
- Robust and water-tight
- Protection rating IP65

### RATED HOLDING FORCE

80 N/cm<sup>2</sup> with  $P = 35$  mm  
100 N/cm<sup>2</sup> with  $P = 65$  mm  
160 N/cm<sup>2</sup> with  $P = 85$  mm

Controllable with control unit

### RATED VOLTAGE, RECOMMENDED

360 V IMP

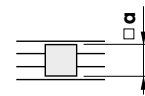
### APPLICATION

Heavy machining also on pallet changing systems. With demagnetising cycle, therefore also suitable for higher alloy materials or hardened materials.

- For workpieces up to min. thickness  $x$ :  
8 mm with  $P = 35$  mm  
20 mm with  $P = 65$  mm  
32 mm with  $P = 85$  mm



- For flat workpieces min.  $a$ :  
70 mm x 70 mm with  $P = 35$  mm  
130 mm x 130 mm with  $P = 65$  mm  
180 mm x 180 mm with  $P = 85$  mm



### SCOPE OF DELIVERY

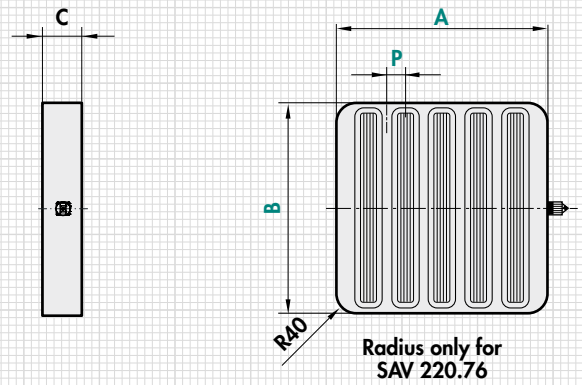
- With heavy-duty power connector as an option
- Adaptation for zero-point system upon agreement (surcharge applies)
- Larger magnets are provided with lifting lugs for transport
- Robot flanges on request
- Clamps

**SAV 220.76-35**

mm				kg	A	
A	B	C <sub>-1</sub> <sup>0</sup>	P	Weight	Control unit max. pul. Current	
320	320	90	35	72	30	
400	400	90	35	113	30	

**SAV 243.76-35**

mm				kg	A	
A	B	C <sub>-1</sub> <sup>0</sup>	P	Weight	Control unit max. pul. Current	
600	400	90	35	170	60	
800	500	90	35	283	60 x 2	
1000	500	90	35	354	60 x 2	

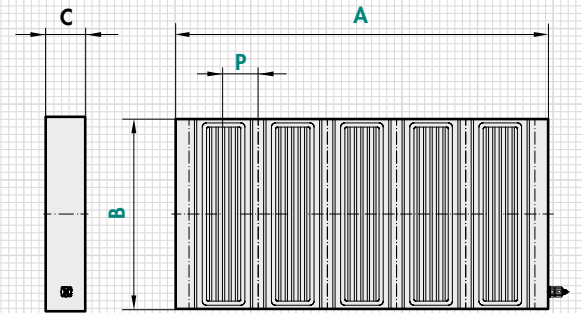


**SAV 220.76-65**

mm				kg	A	
A	B	C <sub>-1</sub> <sup>0</sup>	P	Weight	Control unit max. pul. Current	
320	320	90	65	72	30	
400	400	90	65	113	30	

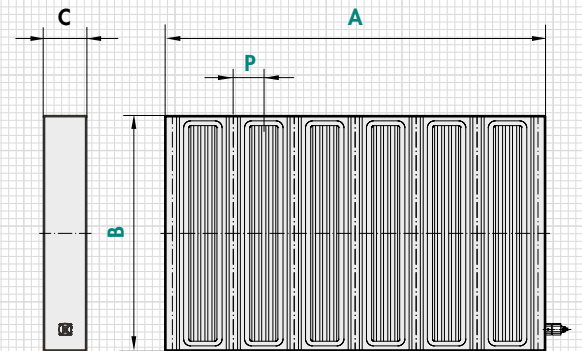
**SAV 243.76-65**

mm				kg	A	
A	B	C <sub>-1</sub> <sup>0</sup>	P	Weight	Control unit max. pul. Current	
580	400	90	65	164	30	
815	500	90	65	288	60	
960	500	90	65	340	60	



**SAV 243.76-85**

mm				kg	A	
A	B	C <sub>-1</sub> <sup>0</sup>	P	Weight	Control unit max. pul. Current	
610	400	100	85	192	30	
800	500	100	85	314	60	
980	500	100	85	385	60	



Suitable for control unit SAV 876.17

**ORDERING EXAMPLE**

Designation SAV no. - A x B - pole pitch - rated voltage - option  
 Electro permanent magnetic chuck 243.76 - 980 x 500 - 85 - 360 - T