

## ELECTRO PERMANENT MAGNETIC CHUCKS



SAV 243.76  
SAV 220.76

with continuous transverse pole pitch  $P=35, 65, 85$

Enhanced magnet system with demagnetisation cycle.  
Optimised system for high holding forces.  
Fully magnetically saturated system through flux concentration.  
Version 220.76 quadratic (Pallet), Version 243.76 rectangular.



**SAV 220.76**  
Pole pitch 35, 65



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

### Use:

Heavy machining operations also on adapter pallet systems.

With demagnetisation cycle, therefore also for high alloy materials or hardened materials.

- for workpieces to a min. thickness x:  
8.0 mm at  $P=35$  mm  
20.0 mm at  $P=65$  mm  
32.0 mm at  $P=85$  mm
- for flat workpieces min. area:  
70 mm x 70 mm at  $P=35$  mm  
130 mm x 130 mm at  $P=65$  mm  
180 mm x 180 mm at  $P=85$  mm

### Nominal holding force:

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

regulated by use of the holding force coding switch on the control unit

### Nominal operating voltage:

210 V

### Features:

- Optimised holding force system with demagnetisation cycle
- Complete surface is magnetically active, no "dead zones"

- Solid monoblock design
- "True" pole spacings N/S
- Electro permanent system for absolute safety in the case of a power cut
- Electrical connection with industrial plug on front right side
- Pole gap with brass, wear protected
- 8 mm pole plate wear limit
- Optionally with grid tapped-hole pattern for pole beams or pole shoes possible (M)
- Pole pitches 65 mm and 85 mm optionally available with T-slots DIN 650-10H10 (T)
- Mounting slots on the short faces
- The quadratic design SAV 220.76 optionally available with zero point clamping system upon agreement
- Robust and waterproof
- Protection rating IP65
- Suitable for use with control unit SAV 876.12

### Scope of delivery:

- Electrical connection with industrial plug
- Adaption for zero point reference system upon agreement at a surcharge
- Lifting bolts for transportation on larger models.
- Robot flange on request



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SAV 243.76  
SAV 220.76

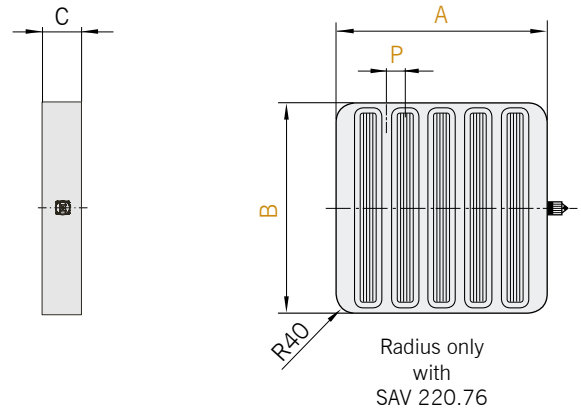
with continuous transverse pole pitch for hard milling

### SAV 220.76-35

Dimensions in mm				Weight in kg	Control unit max. imp. current in A
A	B	C <sub>0</sub>	P		
320	320	90	35	72	30
400	400	90	35	113	30

### SAV 243.76-35

Dimensions in mm				Weight in kg	Control unit max. imp. current in A
A	B	C <sub>0</sub>	P		
600	400	90	35	170	60
800	500	90	35	283	60 x 2
1000	500	90	35	354	60 x 2



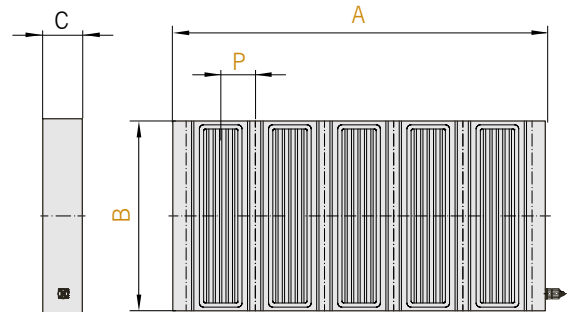
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### SAV 220.76-65

Dimensions in mm				Weight in kg	Control unit max. imp. current in A
A	B	C <sub>0</sub>	P		
320	320	90	65	72	30
400	400	90	65	113	30

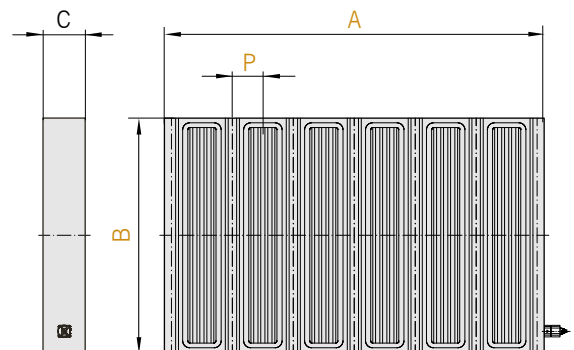
### SAV 243.76-65

Dimensions in mm				Weight in kg	Control unit max. imp. current in A
A	B	C <sub>0</sub>	P		
580	400	90	65	164	30
815	500	90	65	288	60
960	500	90	65	340	60



### SAV 243.76-85

Dimensions in mm				Weight in kg	Control unit max. imp. current in A
A	B	C <sub>0</sub>	P		
610	400	100	85	192	30
800	500	100	85	314	60
980	500	100	85	385	60



For use with control unit SAV 876.12

#### Ordering example:

Electro Permanent Magnetic Chuck SAV 243.76 - 980 x 500 - 85 - 210 V - T

Ordering key

SAV - No. - A x B - Pole pitch - Nominal voltage - Option