

**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/cm² with P = 35 mm
 100 N/cm² with P = 65 mm
 160 N/cm² with P = 85 mm

Controllable with control unit

RATED VOLTAGE, RECOMMENDED

360 V IMP

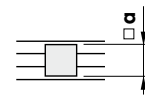
APPLICATION

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 ₋₁ ⁰	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 ₋₁ ⁰	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

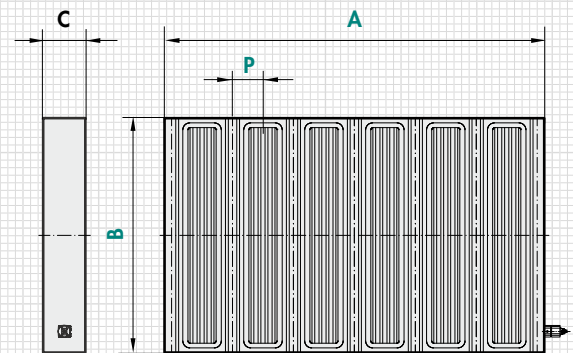
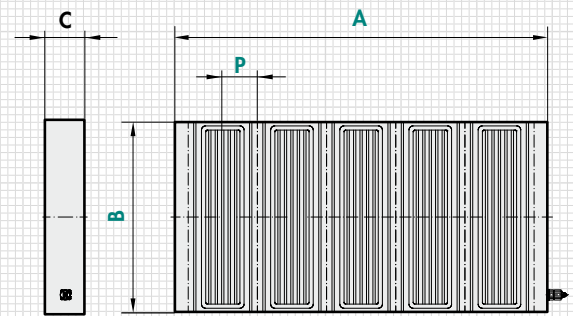
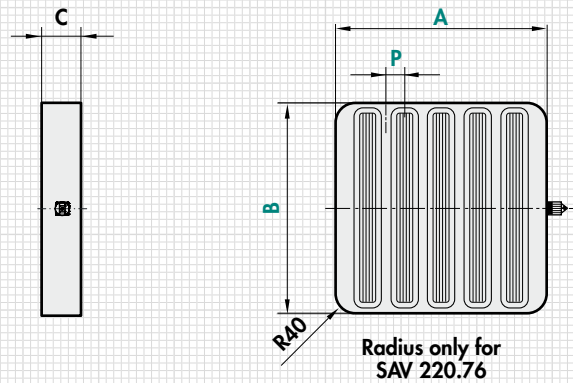
mm				kg	A	
A	B	C ₋₁ ⁰	P	Weight	Control unit max. pul. Current	
320	320	90	65	72	30	
400	400	90	65	113	30	

SAV 243.76-65

mm				kg	A	
A	B	C ₋₁ ⁰	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 ₋₁ ⁰	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 V - T