**ELECTRO PERMANENT MAGNETIC CHUCKS**

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/cm² at \( P = 35 \) mm
- 100 N/cm² at \( P = 65 \) mm
- 160 N/cm² 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
ELECTRO PERMANENT MAGNETIC CHUCKS

with continuous transverse pole pitch for hard milling

SAV 220.76-35

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
<th>Control unit max. imp. current in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 320 B 320 C 90 P 35</td>
<td>72</td>
<td>30</td>
</tr>
<tr>
<td>A 400 B 400 C 90 P 35</td>
<td>113</td>
<td>30</td>
</tr>
</tbody>
</table>

SAV 243.76-35

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
<th>Control unit max. imp. current in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 600 B 400 C 90 P 35</td>
<td>170</td>
<td>60</td>
</tr>
<tr>
<td>A 800 B 500 C 90 P 35</td>
<td>283</td>
<td>60 x 2</td>
</tr>
<tr>
<td>A 1000 B 500 C 90 P 35</td>
<td>354</td>
<td>60 x 2</td>
</tr>
</tbody>
</table>

SAV 220.76-65

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
<th>Control unit max. imp. current in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 320 B 320 C 90 P 65</td>
<td>72</td>
<td>30</td>
</tr>
<tr>
<td>A 400 B 400 C 90 P 65</td>
<td>113</td>
<td>30</td>
</tr>
</tbody>
</table>

SAV 243.76-65

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
<th>Control unit max. imp. current in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 580 B 400 C 90 P 65</td>
<td>164</td>
<td>30</td>
</tr>
<tr>
<td>A 815 B 500 C 90 P 65</td>
<td>288</td>
<td>60</td>
</tr>
<tr>
<td>A 960 B 500 C 90 P 65</td>
<td>340</td>
<td>60</td>
</tr>
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</table>

SAV 243.76-85

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
<th>Control unit max. imp. current in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 610 B 400 C 100 P 85</td>
<td>192</td>
<td>30</td>
</tr>
<tr>
<td>A 800 B 500 C 100 P 85</td>
<td>314</td>
<td>60</td>
</tr>
<tr>
<td>A 980 B 500 C 100 P 85</td>
<td>385</td>
<td>60</td>
</tr>
</tbody>
</table>

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

For use with control unit SAV 876.12