

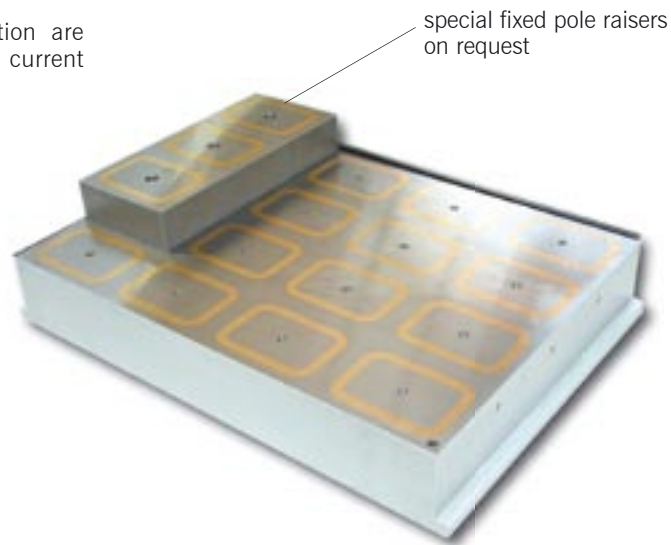
Electro Permanent Magnetic Chuck

SAV 243.74

With modular pole arrangement for milling

This clamping system with neodymium-iron-boron magnets was developed in accordance with the most modern standards in magnet technology. Exceptionally high holding forces arise through the use of AlNiCo/ Neodymium magnets in an electro-permanent magnetic configuration.

Magnetization and demagnetization are achieved through short electric current pulses.



Use:

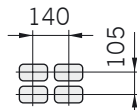
For milling applications with coarse chip removal. Ideal for use on indexing pallet systems

- for heavy duty milling

- for workpieces of min. 15 mm thick



- for workpieces with min. dimensions of 140 mm x 105 mm



Nominal holding force:

16.5 kN per module

Nominal operating voltage:

360 V DC

Features:

- optimized high energy magnetic system
- holding forces in physically maximum range
- modular pole arrangement
140 mm x 105 mm for universal use
- cost efficient system, magnetically optimized
- total chuck surface active, no "dead" zones
- solid mono-block construction
- real magnetic (N/S) poles
- electro-permanent system, guaranteeing safe operation during power failure
- pole separation with brass for optimal wear behaviour
- pole plate wearing limit 8 mm
- mounting slots in both short faces
- through holes in sizes over 1000 mm length on specification
- robust and waterproof
- sealed to IP 65
- for use with control unit type SAV 876.10 (see chapter 04)

Auxiliary equipment:

- connecting cable, 3 m, on the right-hand, short face
- with industrial watertight plug-in type connector on request
- lifting bolts on larger models

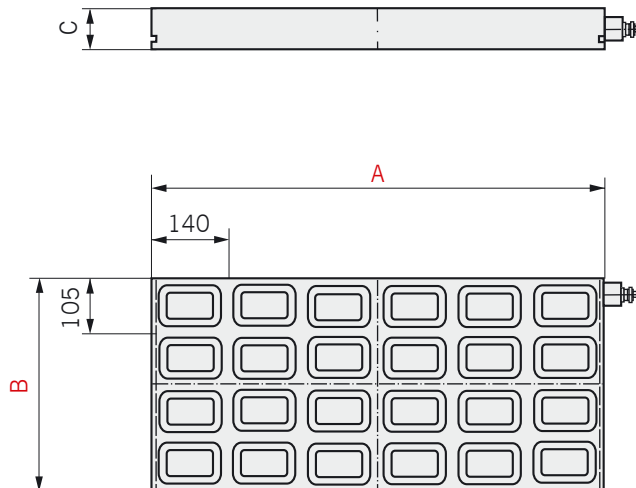


WORKHOLDING AND AUTOMATION

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Dimensions in mm			Number of modules	Weight in kg	Control unit max. current in A	Suitable control unit
A	B	C				
560	315	80	12	107.0	30	876.10
560	420	80	16	140.0	30 x 2	876.10
840	420	80	24	209.0	30 x 2	876.10
1120	420	80	32	280.0	30 x 3	876.10
1680	420	80	48	420.0	30 x 4	876.10
1050	560	80	40	348.0	30 x 4	876.10
840	630	80	36	316.0	30 x 3	876.10
1120	630	80	48	417.0	30 x 4	876.10
1400	630	80	60	520.0	60 x 3	876.10
1680	630	80	72	620.0	60 x 3	876.10
1960	630	80	84	729.0	60 x 4	876.10
1400	840	80	80	693.0	60 x 4	876.10

Other sizes available on request. Larger clamping surfaces can be created by using two or more chucks adjacently. Please refer to SAV 876.10, for details regarding suitable control units, based on the power rating (see Chapter 04).

Ordering example: **Electro Permanent Magnetic Chuck SAV 243.74 - 1400 x 840 - 360 V**
 Ordering key: Name SAV - No. - A x B - Operating voltage