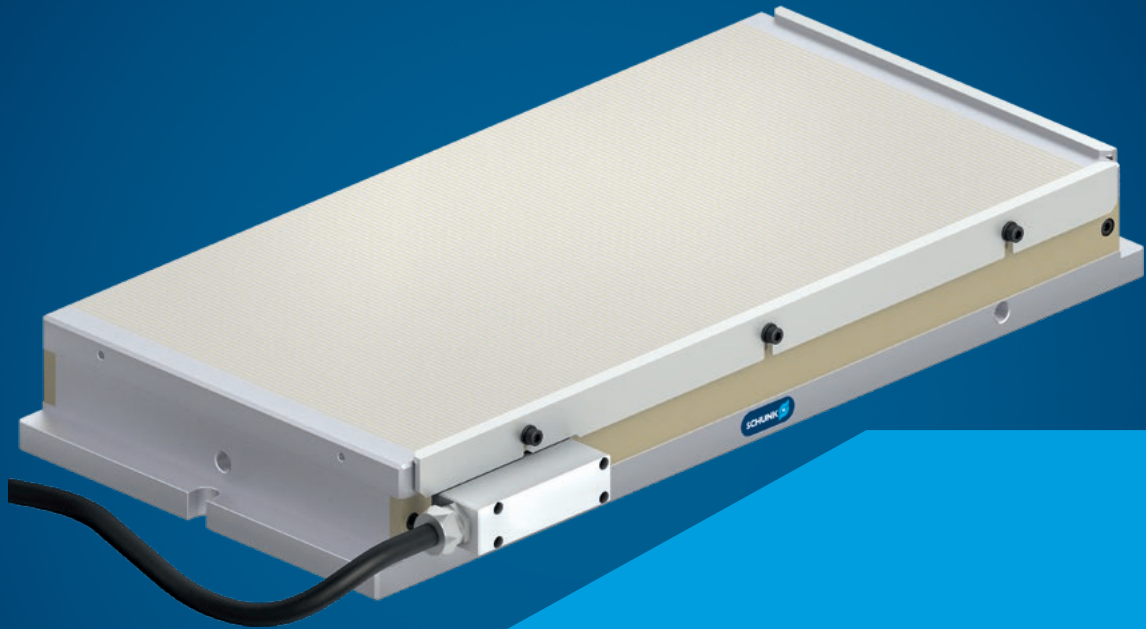


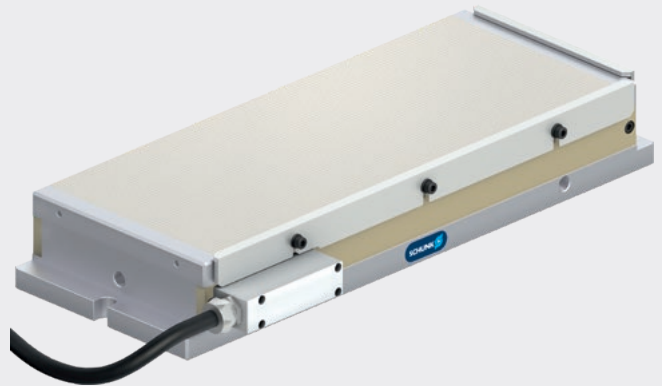


MAGNOS MSC-PM62F

Magnetic clamping technology for grinding applications of small workpieces

Electropermanent magnetic chucks with fine, fully metallic pole pitch for precise clamping of small workpieces on grinding machines

MAGNOS magnetic chucks for grinding applications are longitudinally or transversely poled magnetic chucks. Due to the combination of permanent magnets and electric coils, they are ideally suited for the use during grinding. Due to their low overall height, low weight, and the resulting lower table load, the plates with parallel pole technology are universally applicable. MAGNOS MSC-PM62F magnetic chucks are connected to the control unit via a lateral connector. Due to their fine, fully metallic pole pitch, small workpieces in particular can be clamped highly precisely without the magnetic chuck becoming significantly hot.

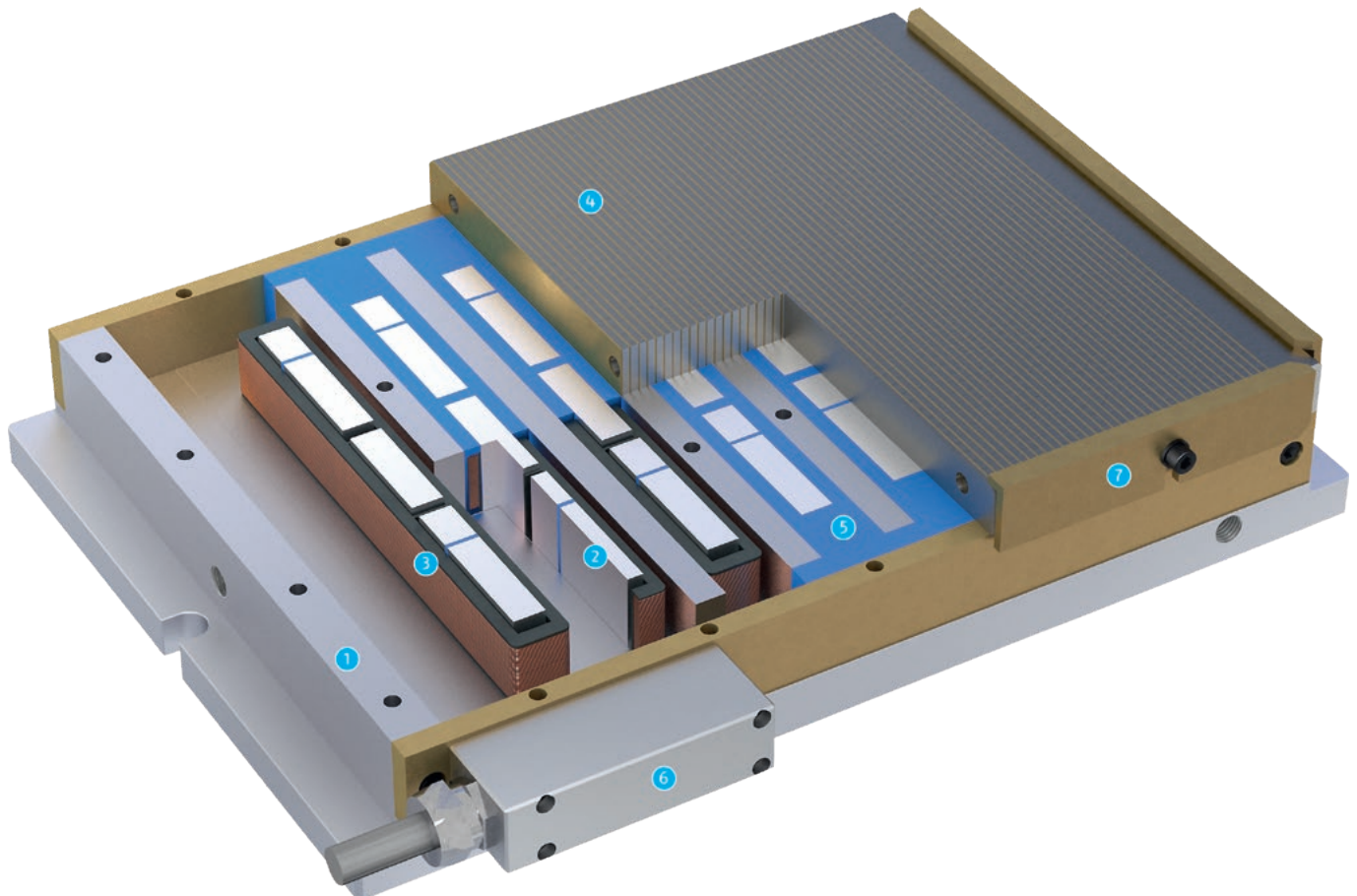


Advantages – Your benefits

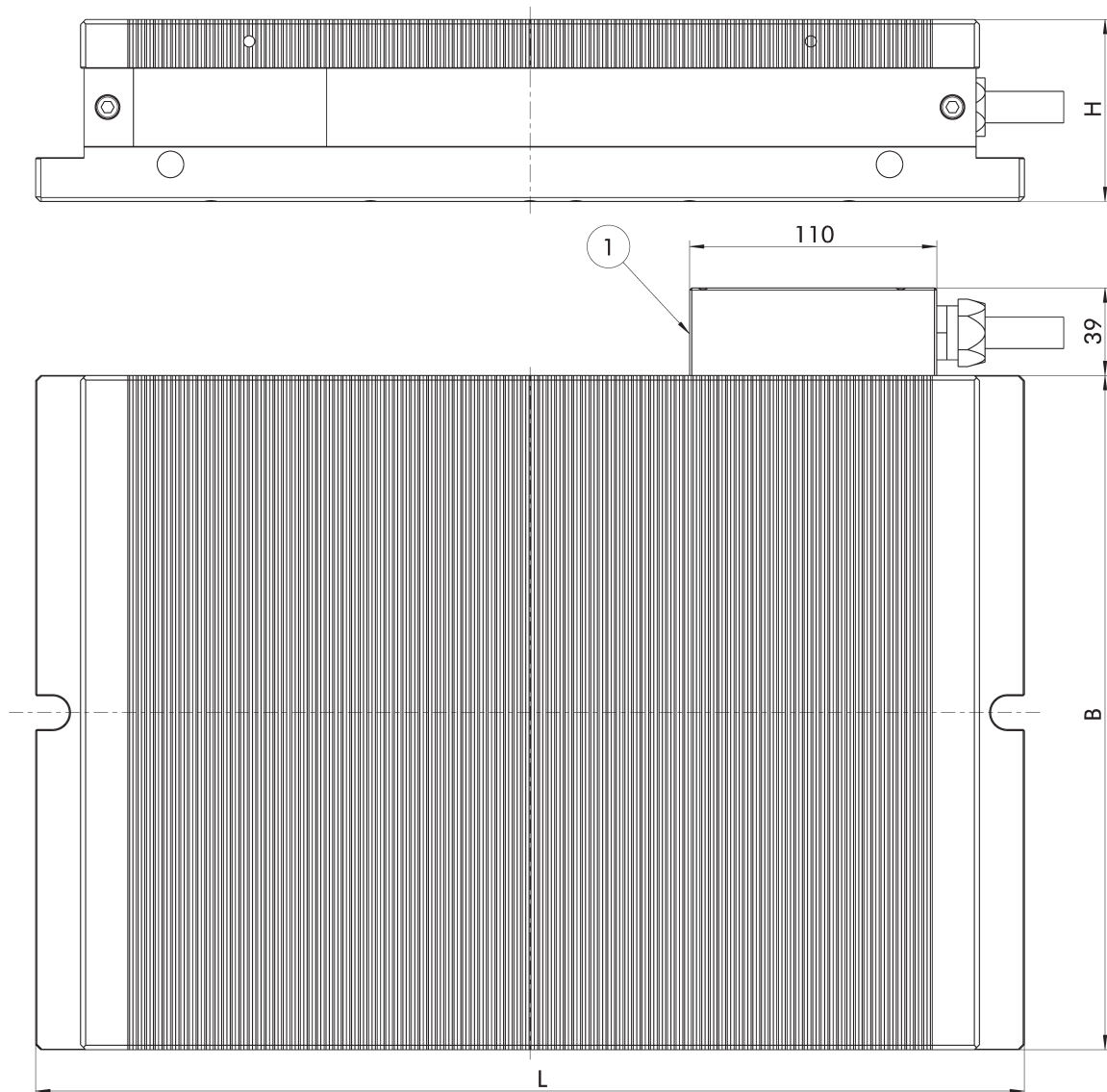
- + Fine, fully metallic parallel pole pitch**
Enables very precise clamping, especially of small workpieces
- + Even permanent magnetic clamping force across the entire workpiece**
Low deformation and vibration clamping of the workpieces
- + Low vibration clamping**
Improved surfaces and significantly increased precision
- + Deformation-free clamping**
No deformation and internal forces in the workpiece due to the clamping force
- + Mono-block design**
Compact and robust design with high rigidity
- + Clamping within a few seconds**
Shortest possible setup times and a resulting increase in productivity
- + Low magnetic field height**
Prevents a magnetization of the machining tools

Function MSC-PM62F

MSC-PM62F magnetic chucks are autarchical, that means they require only a short electrical pulse for MAG/DEMAG process. The pulse allows the AlNiCo magnets to be reversed in the base body. The magnetic field is guided into the workpiece via the steel poles. The bigger the pole pitch, the deeper the magnetic field penetrates into the workpiece. Large pole pitch for large workpieces, small pole pitch for thin workpieces.



- ❶ **Stable base body**
For optimum clamping results with an additional coating against corrosion
- ❷ **Invertible AlNiCo-magnets**
Embedded in the coil – for activating or deactivating of the magnetic chuck
- ❸ **Coil body, insulated version**
For transmitting pulses for activation or deactivation of the magnetic chuck
- ❹ **Support plate**
Consisting of steel/brass segments for transmitting the magnetic field to the workpiece
- ❺ **Synthetic resin casting**
For sealing the magnetic chuck and sealing cavities
- ❻ **Connection housing**
For fixed connection with the control unit
- ❼ **Workpiece stop bar**
For prepositioning of workpieces



Subject to technical changes.

① Connection housing with fixed cable connection

Technical data

Description	ID	Length L [mm]	Width B [mm]	Height H [mm]	Connection	Number of channels	Weight [kg]
MSC-PM62F 200 x 100	0422076	200	100	81	4-PIN	1	15
MSC-PM62F 300 x 150	0422077	300	150	81	4-PIN	1	34
MSC-PM62F 400 x 200	0422078	400	200	81	4-PIN	1	35
MSC-PM62F 500 x 200	0422079	500	200	81	4-PIN	1	51
MSC-PM62F 600 x 200	0422080	600	200	81	4-PIN	1	61
MSC-PM62F 400 x 300	0422081	400	300	81	4-PIN	1	52
MSC-PM62F 500 x 300	0422082	500	300	81	4-PIN	1	64
MSC-PM62F 600 x 300	0422083	600	300	81	4-PIN	1	91

Scope of delivery

Magnetic chuck, operating manual, CE declaration of conformity

Notes

General note

Magnetic chucks with AlNiCo magnets and fully metallic surface.

Field of application

For small and thin workpieces.

Magnetic chucks of the same height

The magnetic chucks are height-adjustable ± 0.5 mm by default.
Equal-height magnetic chucks are available on request.

Cable connection

The magnetic chucks are equipped with a fixed cable connection and a 5 m of cable.

Further technical data

Pole pitch [mm]	Mains voltage [V]	Min. material thickness [mm]	Min. workpiece size [mm]	Cable length fixed connection [m]	IP protection class of fixed connection	Max. working temperature [°C]
3 + 0.8	400/460	2	40 x 40	5	68	80

Accessories

Control unit 400 V/50 Hz

Matching hand-held remote control
HABE SC (ID 0422263).
Fits on DIN rail in machine cabinet.



Suitable for	Description	ID
MSC-PM62F	KEH P01 400V/50Hz	0422349
MSC-PM62F	KEH P02 400V/50Hz	0422350

Control unit 460 V/60 Hz

Matching hand-held remote control
HABE SC (ID 0422263).
Fits on DIN rail in machine cabinet.



Suitable for	Description	ID
MSC-PM62F	KEH P01 460V/60Hz	0422353
MSC-PM62F	KEH P02 460V/60Hz	0422354

Manual gaussmeter

For determining the residual magnetism
in the workpiece after machining.

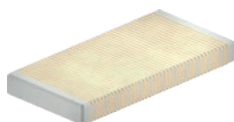


Suitable for	Description	ID
MSC-PM62F	MG10	0422950

Laminated blocks/laminated plates

Laminated plate

For milling contours and special forms.



Suitable for	Description	Length mm	Width mm	Height mm	ID
MSC-PM62F	MSC-PS10 200x100	200	100	21	0422092
MSC-PM62F	MSC-PS10 250x130	250	130	21	0422093
MSC-PM62F	MSC-PS10 300x150	300	150	21	0422094
MSC-PM62F	MSC-PS10 350x150	350	150	21	0422095
MSC-PM62F	MSC-PS10 400x200	400	200	21	0422096
MSC-PM62F	MSC-PS10 500x200	500	200	21	0422097



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