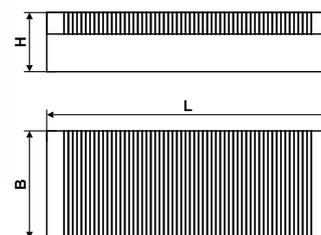
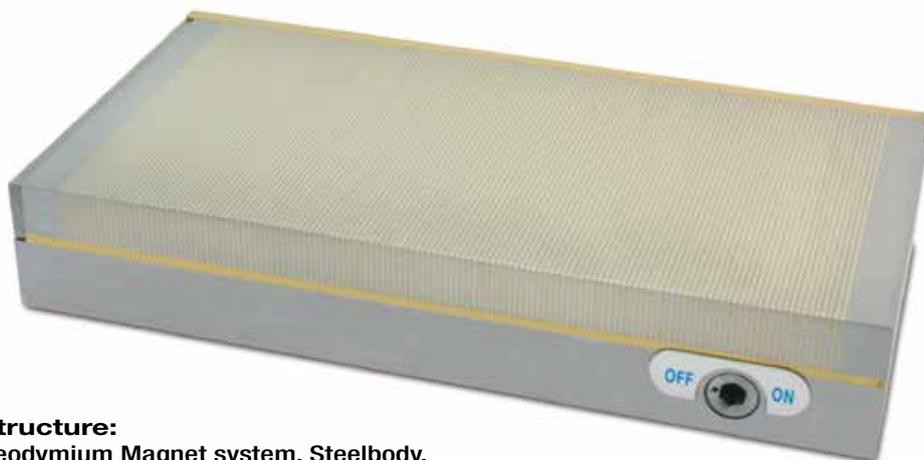


Magnetic Clamping

PMNM Permanent Magnetic Chucks

Permanent magnetic chucks type PMNM are high precision plates for clamping small and thin parts for precision grinding and eroding. The low magnetic field height prevents magnetization of the processing tools. The chipboard is activated via a removable hex shifter.

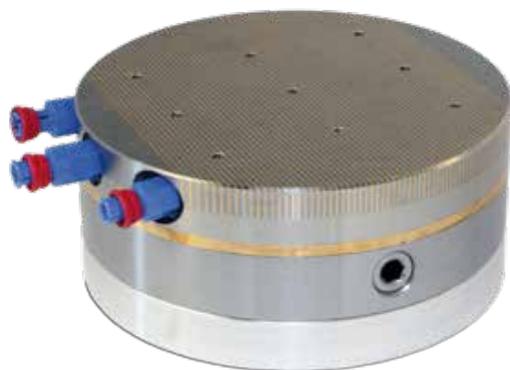


Structure:

Neodymium Magnet system, Steelbody,
 Transverse pole pitch 1.4 + 0.5 mm
 Holding power ca. 100 N/cm²
 Magnetic field Height ca. 5 mm
 Poleplate wearing limit 6 mm

Recommendation:

High-precision drive for grinding and eroding



Option Flushing hole for EDM



3D Machining the clamping surface

Model	Article-Nr.	Dimensions (mm)			Weight (kg)
		L	B	H	
PMNM 1007	2004 1007	100	70	48	3
PMNM 1210	2004 1210	120	100	48	5
PMNM 1470	2004 1470	140	70	48	7
PMNM 1710	2004 1710	175	100	48	7
PMNM 2010	2004 2010	200	100	48	8
PMNM 2011	2004 2011	200	110	48	9
PMNM 2012	2004 2012	200	120	48	10
PMNM 2510	2004 2510	250	100	48	10
PMNM 2513	2004 2513	255	130	48	13
PMNM 1510	2004 1510	100	150	48	6
PMNM 1515*	2004 1515	150	150	51	9
PMNM 2515	2004 2515	250	150	51	16
PMNM 3015	2004 3015	300	150	51	19
PMNM 3515	2004 3515	350	150	51	22
PMNM 4015	2004 4015	400	150	51	25
PMNM 4515	2004 4515	450	150	51	28
PMNM 4520	2004 4520	450	200	51	42
PMNM 3020	2004 2030	300	200	51	18
PMNM 4020	2004 4020	400	200	51	33
PMNM 5020	2004 5020	500	200	51	41
PMNM 5025	2004 5025	500	250	51	61
PMNM 6020	2004 6020	600	200	51	49
PMNM 2424*	2019 2424	240	240	40	18
PMNM 3525	2004 3525	350	250	51	36
PMNM 4030	2004 4030	400	300	51	49
PMNM 5030	2004 5030	500	300	56	67
PMNM 6030	2004 6030	600	300	56	81
PMNM 6040	2004 6040	600	400	56	81

Other dimensions on request

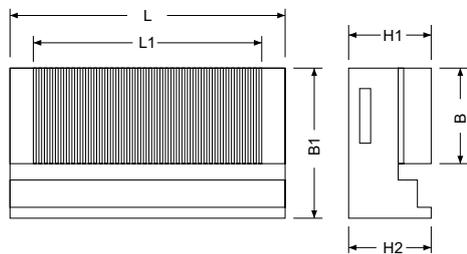
All PMNM magnetic clamping plates can be incorporated a flushing drilling in the pole plate!

* Magnetic chucks especially suited for palletizing
 Look at Page 103.

Magnetic Clamping

PMNM-W Permanent Magnetic Chucks

PMNM-W permanent magnet chucks have the same magnetic properties as the proven PMNM and may be used by construction, both with the horizontal and vertical magnetic clamping surface. PMNM-W are suitable for grinding edges of plates for angle-grinding of blocks and wire EDM. In use, the PMNM-W is simply clamped in the rule to the electromagnet plate the surface grinder.



Model	Item-Nr.	Dimensions (mm)				Magnetic active L1 x W (mm)	Weight (kg)
		L	H2	H1	W1		
PMNM-W 1710	2024 1710	180	65	67	140	140 x 100	11
PMNM-W 2515	2024 2515	255	65	67	190	206 x 150	22
PMNM-W 3515	2024 3515	355	65	67	190	305 x 150	31
PMNM-W 4020	2024 4020	405	68	70	240	357 x 200	47

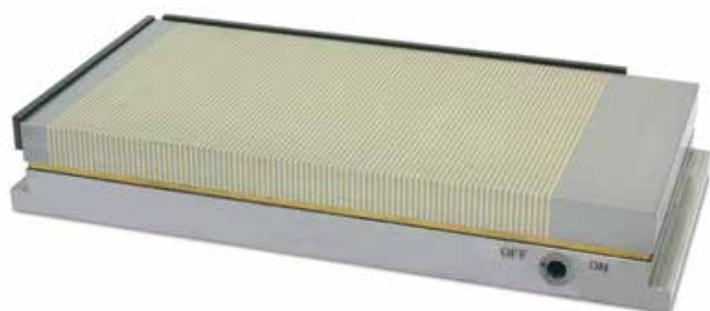
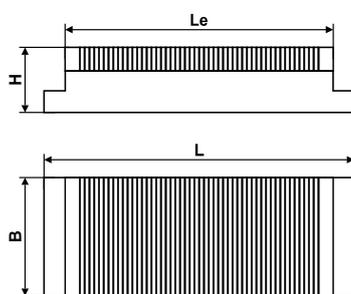
Other dimensions on request
All PMNM magnetic clamping plates can be incorporated a flushing drilling in the pole plate!

Structure:
Neodymium Magnet system,
Steel body,
Transverse pole pitch 1.4+0.5mm
Holding power ca. 100 N/cm²
Magnetic field Height ca. 5 mm
Pole plate wearing limit 6 mm

Recommendation:
High-precision drive for grinding
and eroding

PMSF Permanent Magnetic Chucks

Permanent magnetic chucks type PMSF are designed for eroding and grinding of fine parts. With very low profile and low weight they can also be well used to exchange pallets. The low magnetic field height prevents magnetization of processing tools. The chipboard is activated via a removable hex shifter.



Model	Item-Nr.	Dimensions (mm)				Weight (kg)
		L	B	H	Le	
PMSF 1510	2003 1510	165	100	40	150	5
PMSF 2010	2003 2010	215	100	40	200	6
PMSF 2513	2003 2513	270	130	40	255	11
PMSF 1515	2003 1515	165	150	40	150	7
PMSF 2515	2003 2515	265	150	40	250	12
PMSF 3015	2003 3015	315	150	40	300	14
PMSF 3515	2003 3515	365	150	40	350	17
PMSF 4015	2003 4015	415	150	40	400	19
PMSF 4515	2003 4515	465	150	40	450	22

Other dimensions on request!

Structure:
Neodymium Magnet system, Steel body,
Transverse pole pitch 1.5 + 0.8 mm
Holding power ca. 80 N/cm²
Magnetic field Height ca. 6 mm
Pole plate wearing limit 5 mm

Recommendation:
Economical plate for precise grinding and
eroding

Magnetic Clamping

PMNS Permanent Magnetic Chucks

Permanent magnetic chucks type PMNS are a special type of high-precision PMNM. The switching point is located above and the overall height is reduced to a minimum of 35mm. They are used where a flat and lightweight design is important and you cannot turn the side of space or handling reasons. The overhead Allen-shifting is protected by a removable pin to contamination. The low magnetic field height prevents magnetization of processing tools. The chipboard is activated via a removable hex shifter.

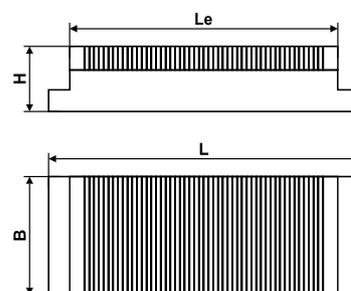


Structure:

Neodymium Magnet system, Steel body,
 Transversal pole pitch 1.4 + 0.5 mm
 Holding power ca. 100 N/cm²
 Magnetic field Height ca. 5 mm
 Pole plate wearing limit 6 mm

Recommendation:

High-precision, super-flat plate for grinding and eroding



Model	Item-Nr.	Dimensions (mm)				Weight (kg)
		L	B	H	L _e	
PMNS 1515	2005 1515	150	150	35	95	7
PMNS 1710	2005 1710	170	100	35	120	6
PMNS 2513	2005 2513	250	130	35	200	10,5
PMNS 2515	2005 2515	250	150	35	195	13
PMNS 3015	2005 3015	300	150	35	245	15
PMNS 3515	2005 3515	350	150	35	295	17,5
PMNS 4020	2005 4020	400	200	35	345	27,5
PMNS 4515	2005 4515	450	150	35	395	21,5

All PMNM magnetic clamping plates can be incorporated a flushing drilling in the pole plate!

Magnetic Clamping

PMNEO Permanent Magnetic Chucks

Permanent magnetic chucks type PMNEO are super strong compact chucks for heavy cutting. Parts from about 30x15x6mm are stretched with max. achievable holding forces. Good holding forces can be achieved even on rough surfaces. The chipboard is activated via a removable hex shifter.

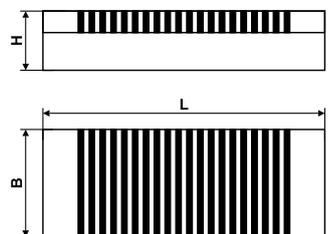


Structure:

Double Neodymium Magnet system,
Steel body,
Transversal pole pitch 11 + 4 mm
Holding power ca. 150 N/cm²
Magnetic field Height ca. 10 mm
Pole plate wearing limit 6 mm

Recommendation:

Super strong plate for milling



Special Version with threaded bushings in Magnetic poles and built-on Pole-boards.

Model	Item-Nr.	Dimensions (mm)			Weight (kg)
		L	B	H	
PMNEO 2515	2007 2515	250	150	56	17
PMNEO 3015	2007 3015	300	150	56	18
PMNEO 3515	2007 3515	350	150	56	24
PMNEO 4515	2007 4515	450	150	56	31
PMNEO 3020	2007 3020	300	200	56	26
PMNEO 4020	2007 4020	400	200	56	35
PMNEO 5020	2007 5020	500	200	56	44
PMNEO 6020	2007 6020	600	200	56	52
PMNEO 2424*	2007 2424	240	240	48	21
PMNEO 4025	2007 4025	400	250	56	38
PMNEO 5025	2007 5025	500	250	56	65
PMNEO 6025	2007 6025	600	250	56	64
PMNEO 2828*	2007 2828	280	280	48	28
PMNEO 5030	2007 5030	500	300	56	56
PMNEO 6030	2007 6030	600	300	56	78
PMNEO 3232*	2007 3233	320	320	48	35
PMNEO 4040*	2007 4040-1	400	400	48	57

Other dimensions on request

* Magnetic chucks especially suited for palletizing
Look at Page 103

Magnetic Clamping

PMNM INOX Permanent Magnetic Chucks

PMNM INOX Magnetic plates are made of corrosion-resistant stainless steel and are used for machining under aggressive atmospheres or in aggressive media. The fine pole pitch and the flat magnetic field ensure that no magnetic stripes interfere with the machining processes.



Model	Item-Nr.	Dimensions (mm)			Weight (kg)
		L	B	H	
PMNM INOX 1515	2008 1515	150	150	40	9
PMNM INOX 3015	2008 3015	300	150	40	19
PMNM INOX 2424	2008 2424	240	240	40	18
PMNM INOX 2828	2008 2828	280	280	40	33

Other dimensions on request!

Structure:

Neodym Magnetic System, VA Body,
Transversal pole pitch 1.4 + 0.5 mm
Holding power ca. 60 N/cm²
Magnetic filed Height ca. 5 mm
Pole plate wearing limit 3 mm

Recommendation:

Stainless clamping plate for use in an aggressive environment.

PM-SMCO Permanent Magnetic Chucks

The PM-SMCO high-temperature magnetic chuck can be used permanently at 250°C. It is also possible to equip the magnetic clamping plate with heating elements so that an active heating of the stretched material is possible. PM-SMCO magnetic chucks are used to fix vulcanization, thermal bonding tools or sand core molds in machines or devices. Size and design are customized as needed.



max. 250°C

