



Mag Vise

Electro-Permanent Magnetic Chuck EPPM-A、EPPM-B、EPPM-D、EPPM-E Series

Magnetic Workholding ■ Suitable for CNC Vertical machining center (Can do 5 sides machining)

Features:

- 1-2 seconds control for power ON & OFF. No electric power supply required to keep magnetic chuck ON and provides maximized safety in case of power failure. Never get temperatures to affect the accuracy of workpieces.
- With 8 Magnetic levels for different workpiece size and application to avoid sticking the iron chip.
- Capable for 5 sides machining and un-obstructed cutter movement during machining. Allow workpiece machining finished in one cycle, while still achieving best machining accuracy and highly increased working efficiency.
- Easy and convenient to clamp a workpiece, shortens clamping time.
- Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
- More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)

Specification of poles size & Height of magnetic field (Flux Line):

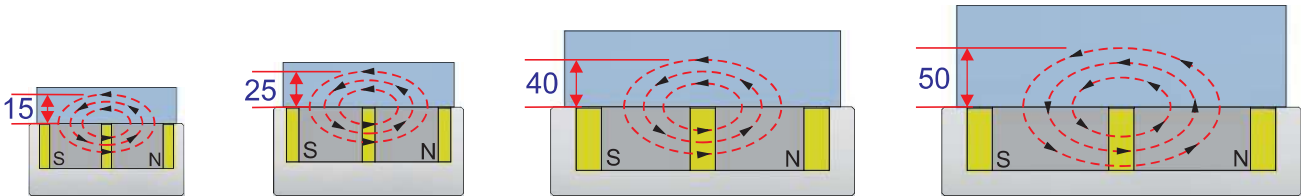
EPPM Chucks are designed for different mold thickness. Specify the mold to be Large, Medium and Small sizes make 4 poles sizes, bigger pole size with higher flux line. Different pole sizes have different magnetic field height (flux line) to ensure mold clamping safety.

EPPM-A Series
Flux Line 15 mm

EPPM-B Series
Flux Line 25 mm

EPPM-D Series
Flux Line 40 mm

EPPM-E Series
Flux Line 50 mm



Model No.	pole size	Flux line	Workpiece	Application	Magnetic force
EPPM-A	35X35 mm	15 mm	Thin, small	Cutting, milling	580 ±5% Kg/4 poles
EPPM-B	50X50 mm	25 mm	Small, medium		1250 ±5% Kg/4 poles
EPPM-D	70X70 mm	40 mm	Medium, large		2800 ±5% Kg/4 poles
EPPM-E	92X92 mm	50 mm	Large		4800 ±5% Kg/4 poles

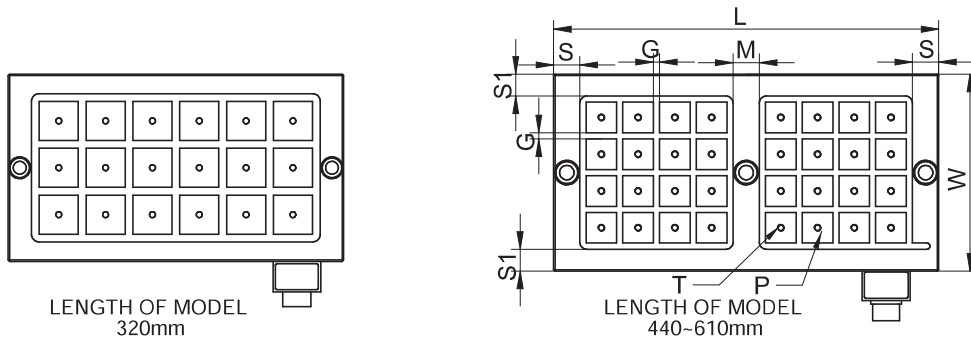




Pole 35X35 mm, Flux Line 15 mm, Magnetic Force 580±5% kgf/4 Poles

Applications:

1. Suitable for thin, small and medium workpiece on light duty machining.
2. Suitable for thin, small and medium workpiece of the drilling and finishing machining.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)



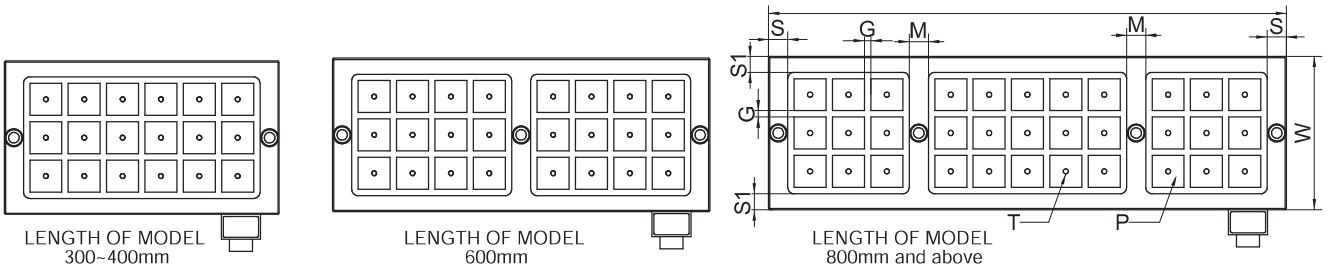
Unit:mm

MODEL NO.	DIMENSION							PITCH G	POLE P	NO. OF POLE	Unipolar suction kgf ±5%	TOTAL HOLDING POWER kgf ±5%	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	S	S1	M	T	H									
EEPМ-1530A	185	320	30,5	26	-				18		2610	23kg		18A	C1	
EEPМ-2540A	225	440	30	25	30				32		4640	39kg		30A	C1	
EEPМ-2560A	225	610	31	25	30				48		6960	54kg		26A	C2	
EEPМ-3030A	310	320	30,5	25,5	-				36		5220	39kg	AC 220V 480V	26A	C1	
EEPМ-3040A	310	440	30	25,5	30	M6	50	7	35×35	48	6960	53kg		25A	C2	
EEPМ-3060A	310	610	31	25,5	30				72	145	10440	74kg		31A	C2	
EEPМ-4040A	435	440	30	25	30				72		10440	75kg		31A	C2	
EEPМ-4050A	435	525	30,5	25	30				90		13050	90kg		24A	C4	
EEPМ-4060A	435	610	31	25	30				108		15660	104kg		26A	C4	

Custom-made is available.



Pole 50X50 mm, Flux Line 25 mm, Magnetic Force 1250±5% kgf/4 Poles



Unit:mm

MODEL NO.	DIMENSION								PITCH G	POLE P	NO. OF POLE	TOTAL HOLDING POWER kgf ±5%	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	S	S1	M	T	H												
EEPM-2540B	240	430	30	25	--					18	5600	50kg		18A	C1		16A	C1	
EEPM-2560B	240	590	30	25	30					24	7500	69kg		30A	C1		12A	C1	
EEPM-2580B	240	810	30	25	30					33	10300	92kg		30A	C1		19A	C1	
EEPM-2590B	240	870	30	25	30					36	11200	98kg		18A	C2		18A	C1	
EEPM-25100B	240	990	30	25	30					42	13100	111kg		26A	C2		14A	C2	
EEPM-3030B	300	310	30	25	--					16	5000	44kg		20A	C1		8A	C1	
EEPM-3040B	300	430	30	25	--					24	7500	61kg		30A	C1		12A	C1	
EEPM-3060B	300	590	30	25	30					32	10000	82kg		30A	C1		20A	C1	
EEPM-3080B	300	810	30	25	30					44	13700	116kg		25A	C2		13A	C2	
EEPM-3090B	300	870	30	25	30					48	15000	123kg		30A	C2		12A	C2	
EEPM-30100B	300	990	30	25	30					56	17500	138kg		35A	C2		19A	C2	
EEPM-4040B	420	430	30	25	--					36	11200	84kg		18A	C2	AC 380V 440V	18A	C1	
EEPM-4050B	420	490	30	25	--	M8	60	10	50×50	42	13100	95kg	AC 220V	26A	C2		14A	C2	
EEPM-4060B	420	590	30	25	30					48	15000	100kg		30A	C2		12A	C2	
EEPM-4080B	420	810	30	25	30					66	20600	159kg		30A	C2		19A	C2	
EEPM-4090B	420	870	30	25	30					72	22500	169kg		18A	C4		18A	C2	
EEPM-40100B	420	990	30	25	30					84	26200	193kg		26A	C4		12A	C4	
EEPM-5060B	480	590	30	25	30					56	17500	129kg		35A	C2		19A	C2	
EEPM-5080B	480	810	30	25	30					77	24000	185kg		30A	C4		13A	C4	
EEPM-5090B	480	870	30	25	30					84	26200	196kg		26A	C4		14A	C4	
EEPM-50100B	480	990	30	25	30					98	30600	219kg		30A	C4		12A	C4	
EEPM-6060B	600	590	30	25	30					72	22500	165kg		18A	C4	18A	C2		
EEPM-6080B	600	810	30	25	30					99	30900	215kg		30A	C4	19A	C4		
EEPM-6090B	600	870	30	25	30					108	33700	240kg		27A	C4	20A	C4		
EEPM-60100B	600	990	30	25	30					126	39300	274kg		32A	C4	21A	C4		
EEPM-8080B	755	810	30	25	30					121	37800	271kg		33A	C4	18A	C4		

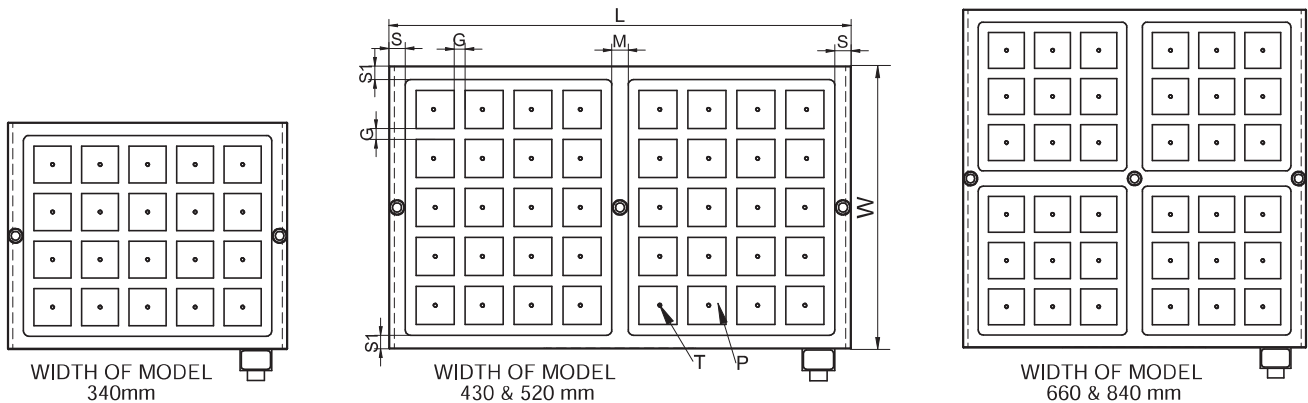
Custom-made is available.



Pole 70X70 mm, Flux Line 40 mm, Magnetic Force 2800±5% kgf/4 Poles

Applications:

1. Suitable for medium and large workpiece on heavy duty machining.
2. Suitable for medium and double column machining center.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)



Unit:mm

MODEL NO.	DIMENSION							PITCH G	POLE P	NO. OF POLE	Unipolar suction kgf ±5%	TOTAL HOLDING POWER kgf ±5%	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	S	S1	M	T	H												
EEPM-3060D	340	670	30	25	30					18		12600	126kg		24A	C2		25A	C1
EEPM-4050D	430	530	30	25	--					20		14000	126kg		13A	C2		22A	C1
EEPM-4060D	430	670	30	25	30					24		16800	159kg		24A	C2		29A	C1
EEPM-4080D	430	850	30	25	30					32		22400	202kg		16A	C4		27A	C2
EEPM-5060D	520	670	30	25	30	M10	70	20	70×70	30	700	21000	193kg	AC 220V	19A	C2	AC 380V	17A	C2
EEPM-5080D	520	850	30	25	30					40		28000	244kg		13A	C4	440V	22A	C2
EEPM-6060D	660	670	30	25	30					36		25200	245kg		15A	C4		25A	C2
EEPM-6080D	660	850	30	25	30					48		33600	310kg		24A	C4		29A	C2
EEPM-8080D	840	850	30	25	30					64		44800	395kg		32A	C8		27A	C4

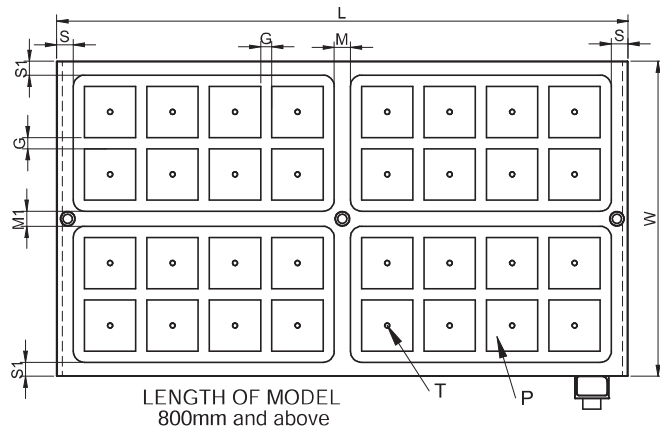
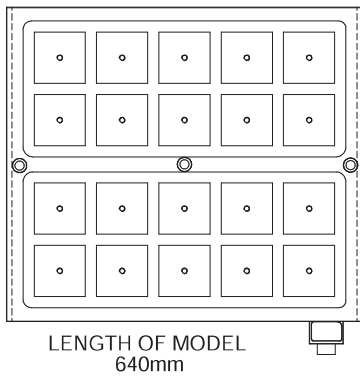
Custom-made is available.



Pole 92X92 mm, Flux Line 50 mm, Magnetic Force 4800±5% kgf/4 Poles

Applications:

1. Suitable for large and high-thickness workpiece
2. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
3. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)



Unit:mm

MODEL NO.	DIMENSION									POLE P	NO. OF POLE	Unipolar suction kgf ±5%	TOTAL HOLDING POWER kgf ±5%	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	S	S1	M	M1	T	H	PITCH G								
EEPМ-6060E	565	640	30	25	--	27					20	24000	214kg	AC 380V 440V	24A	C2	
EEPМ-60100E	565	1025	30	25	29	27					32	38400	343kg		13A	C4	
EEPМ-60120E	565	1250	30	25	30	27					40	48000	418kg		24A	C4	
EEPМ-8080E	790	800	30	25	28	28	M10	70	20	92×92	36	43200	374kg		26A	C4	
EEPМ-80100E	790	1025	30	25	29	28					48	57600	480kg		19A	C4	
EEPМ-80120E	790	1250	30	25	30	28					60	72000	585kg		15A	C8	

Custom-made is available.