

Model **EPT/EPT-LW**

PERMANENT ELECTROMAGNETIC CHUCK (STANDARD/LOW MAGNETIC FORCE CONTROL)

Environmentally friendly

Power saving

Minimal heat generation

Chuck controller required additionally

[Application]

Suitable for high precision grinding and slicing.

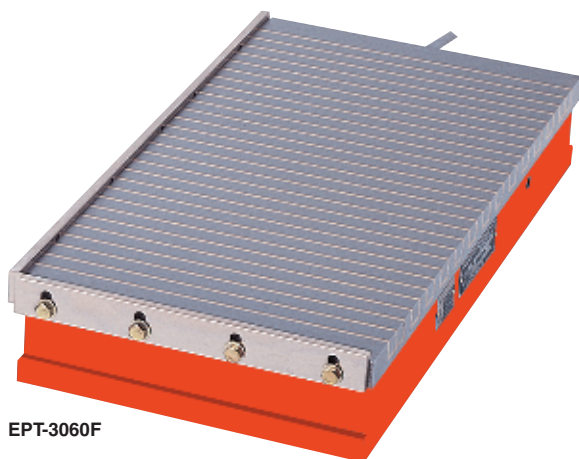
[Features]

- Since electricity is supplied momentarily only to control the magnetomotive force when mounting/demounting a workpiece, little heat is generated internally to enable highly precise machining.
- Since electricity needs not be supplied continuously even while holding a workpiece, the running cost is very low.
- Since the holding power is maintained by the permanent magnet, safety is secured in the event of power failure and cable breakage.
- A resin-bonded structural face plate having little environmental burden is employed.

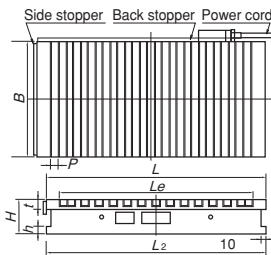
About EPT-LW

Model EPT-LW is equipped with a low magnetic force (weak attraction) control function that is difficult with conventional permanent electromagnetic chucks and therefore facilitates strain relieving and workpiece positioning at the same level as electromagnetic chucks. (When the low magnetic force control is active, the power is supplied continuously.)

Please note that a dedicated Chuck Master (Model EPH-LW) (see page 38) needs to be used together.



EPT-3060F



NOTE: The L₂ dimension has not been machined together with L and therefore, there may be some variation.

Model		Nominal Size	Work Face				Pole Pitch P	Mounting Face		Height H	Voltage		Current		Power Cord	Mass	Electro Chuck Master	
Standard	Low mag. force control		B	L	Le	t		L ₂	h		Standard	Low mag. force control	Standard	Low mag. force control			Standard	Low mag. force control
EPT- 1530F	EPT-LW 1530F	150(5.90) × 300(11.8)	300	240			300					1.91A	0.80A		24kg/ 52 lb			
EPT- 1535F	EPT-LW 1535F	150(5.90) × 350(13.7)	150	350			350					2.43A	0.93A	2m (78.7)	28kg/ 61 lb			
EPT- 1545F	EPT-LW 1545F	150(5.90) × 450(17.7)		450	380	20.5 (0.80)	450		80 (3.15)			2.64A	1.17A		36kg/ 79 lb		EPH-LW205B EPH-LWE205B	
EPT- 2050F	EPT-LW 2050F	200(7.87) × 500(19.6)	200	500	436		500					5.88A	3.31A		53kg/ 116 lb			
EPT- 2060F	EPT-LW 2060F	200(7.87) × 600(23.6)		600	548		600	20 (0.78)		90 VDC	180 VDC	7.87A	3.82A	3m (118)	65kg/ 143 lb			
EPT- 3060F	EPT-LW 3060F	300(11.8) × 600(23.6)	300	600	529		600					6.14A	2.55A		140kg/ 308 lb		EPS-215B	
EPT- 4080F	EPT-LW 4080F	400(15.7) × 800(31.5)	400	800	724		800					11.0A	6.59A		211kg/ 465 lb			
EPT-40100F	EPT-LW40100F	400(15.7) × 1000(39.4)	400	1000	919	25.0 (0.98)	1000		100 (3.93)			12.5A	6.45A	5m (196)	265kg/ 584 lb		EPH-LWE210B	
EPT- 5080F	EPT-LW 5080F	500(19.6) × 800(31.5)	500	800	724		800					9.01A	5.41A		330kg/ 727 lb			
EPT-50100F	EPT-LW50100F	500(19.6) × 1000(39.4)	500	1000	919		1000					11.7A	6.00A					

※The chuck controller and clamp parts are not included. ※The KANETEC chucks work best when a KANETEC chuck controller is used.
 ※Turning the permanent electromagnetic chucks on and off must be limited to once per several minutes. If on/off operations are repeated frequently, the chucks may be damaged by overheat.

Model **EPT-H**

POWERFUL PERMANENT ELECTROMAGNETIC CHUCK

Environmentally friendly

Power saving

Minimal heat generation

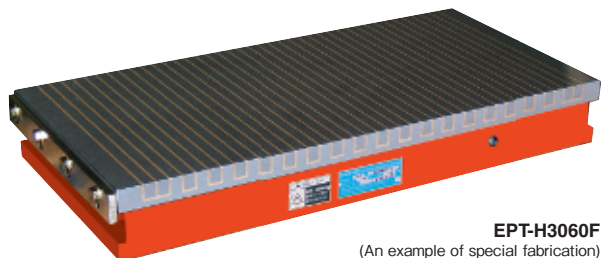
Chuck controller required additionally

[Application]

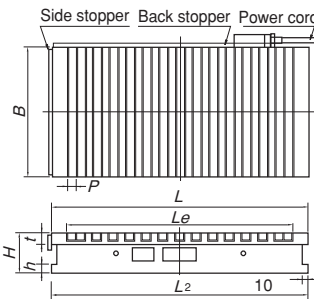
Suitable for high precision grinding and slicing.

[Features]

- Compared with the standard type (EPT), these chucks generate a larger magnetic force and therefore are capable of securing workpieces firmly during grinding of large machining load.
- A resin-bonded structural face plate having little environmental burden is employed.



EPT-H3060F
(An example of special fabrication)



NOTE: The L₂ dimension has not been machined together with L and therefore, there may be some variation.

Model		Nominal Size	Work Face				Pole Pitch P	Mounting Face		Height H	Voltage	Power Cord	Mass	Electro Chuck Master
			B	L	Le	t		L ₂	h					
EPT-H1530F		150(5.90) × 300(11.8)	150(5.90)	300(11.8)	240(9.44)		300(11.8)					2m(78.7)	30kg/ 66.1 lb	
EPT-H2050F		200(7.87) × 500(19.6)	200(7.87)	500(19.6)	436(17.1)		500(19.6)					3m(118)	83kg/ 183 lb	
EPT-H3060F		300(11.8) × 600(23.6)	300(11.8)	600(23.6)	529(20.8)	30 (1.18)	600(23.6)	20 (0.78)	100 (3.93)	180 VDC			142kg/ 313 lb	EPS-W215B
EPT-H4080F		400(15.7) × 800(31.5)	400(15.7)	800(31.5)	724(28.5)		800(31.5)						215kg/ 474 lb	
EPT-H50100F		500(19.6) × 1000(39.4)	500(19.6)	1000(39.4)	919(36.1)		1000(39.4)						335kg/ 738 lb	

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ELECTROMAGNETIC CHUCKS
 CHUCK CONTROLLERS
 PERMANENT ELECTROMAGNETIC CHUCKS
 BLOCKS FOR MC
 VACUUM CHUCKS
 PROMELTA* SYSTEM
 SINE BAR CHUCKS
 BLOCKS, HOLDERS, MINI CHUCKS
 HOLDING TOOLS
 MEASURING TOOL HOLDERS
 MAGNETIC HOLDERS
 MAGNETIC TOOLS