

PERMANENT ELECTROMAGNETIC CHUCKS

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.

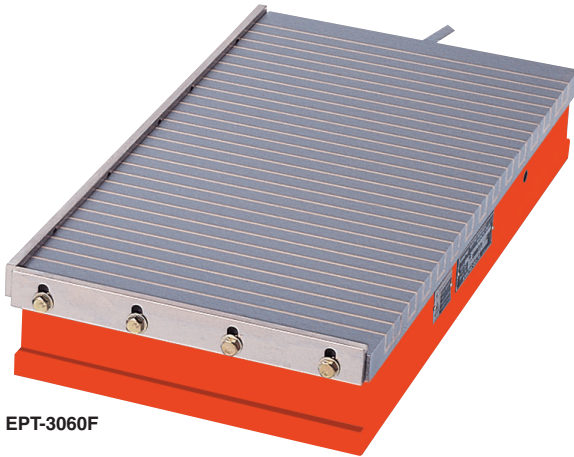
[Features]

- 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.

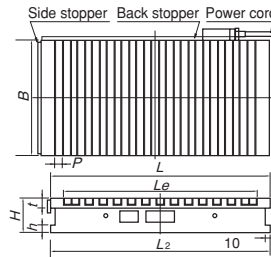
About EPT-LW

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 39) 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.

[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch	Mounting Face			Voltage	Current		Power Cord	Mass	Electro Chuck Master	
		B	L	Le	t		P	L ₂	h		H	Standard			Low mag. force control	Standard
EPT- 1530F	EPT-LW 1530F	150(5.90) × 300(11.8)	300(11.8)	240(9.44)	20.5(0.80)	14(2+12) 0.55(0.07+0.47)	300(11.8)	80(3.15)	90 VDC	180 VDC	1.91A	0.80A	2m(78.7)	24kg/52 lb	EPH-LW205B EPH-LWE205B	
EPT- 1535F	EPT-LW 1535F	150(5.90) × 350(13.7)	150(5.90)	296(11.6)			350(13.7)				2.43A	0.93A		28kg/61 lb		
EPT- 1545F	EPT-LW 1545F	150(5.90) × 450(17.7)	150(5.90)	380(14.9)	450(17.7)	2.64A	1.17A	36kg/79 lb								
EPT- 2050F	EPT-LW 2050F	200(7.87) × 500(19.6)	200(7.87)	436(17.1)	500(19.6)	5.88A	3.31A	53kg/116 lb								
EPT- 2060F	EPT-LW 2060F	200(7.87) × 600(23.6)	200(7.87)	548(21.5)	600(23.6)	7.87A	3.82A	65kg/143 lb								
EPT- 3060F	EPT-LW 3060F	300(11.8) × 600(23.6)	300(11.8)	529(20.8)	600(23.6)	6.14A	2.55A	140kg/308 lb								
EPT- 4080F	EPT-LW 4080F	400(15.7) × 800(31.5)	400(15.7)	724(28.5)	800(31.5)	11.0A	6.59A	211kg/465 lb								
EPT-40100F	EPT-LW40100F	400(15.7) × 1000(39.4)	400(15.7)	919(36.1)	1000(39.4)	12.5A	6.45A	265kg/584 lb								
EPT- 5080F	EPT-LW 5080F	500(19.6) × 800(31.5)	500(19.6)	724(28.5)	800(31.5)	9.01A	5.41A	330kg/727 lb								
EPT-50100F	EPT-LW50100F	500(19.6) × 1000(39.4)	500(19.6)	919(36.1)	1000(39.4)	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

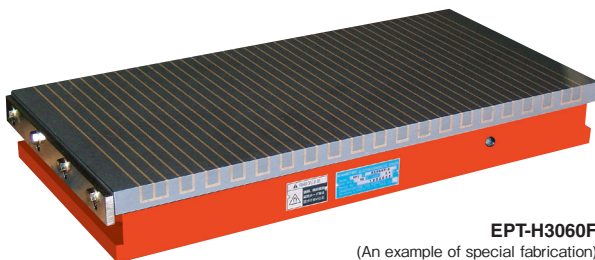
Chuck controller required additionally

[Application]

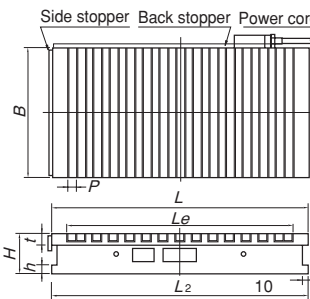
Suitable for high precision grinding and slicing.

[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.

[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch	Mounting Face			Voltage	Power Cord	Mass	Electro Chuck Master
		B	L	Le	t		P	L ₂	h				
EPT-H1530F	150(5.90) × 300(11.8)	150(5.90)	300(11.8)	240(9.44)	30(1.18)	14(2+12) 0.55(0.07+0.47)	300(11.8)	20(0.78)	180 VDC	2m(78.7)	30kg/66.1 lb	EPS-W215B	
EPT-H2050F	200(7.87) × 500(19.6)	200(7.87)	500(19.6)	436(17.1)			500(19.6)				83kg/183 lb		
EPT-H3060F	300(11.8) × 600(23.6)	300(11.8)	600(23.6)	529(20.8)	600(23.6)	142kg/313 lb							
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							

*The chuck controller and clamp parts are not included. *The KANETEC chucks work best when a KANETEC chuck controller is used.

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