

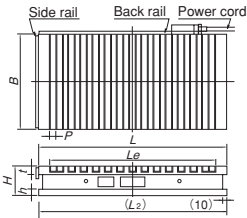
PERMANENT ELECTROMAGNETIC CHUCKS

Model EPT STANDARD TYPE

ELECTROMAGNETIC CHUCK CONTROLLERS
MAGNETIC CHUCKS



EPT-3060D



NOTE: The dimension L2 has not been machined together with the dimension L and some variation exists.

Chuck controller required additionally

[Application]

Most suitable for highly accurate grinding such as precision grinding and slicing.

[Features]

- Electricity is applied momentarily only to control the magnetomotive force when mounting and dismounting workpieces, minimizing heat generated internally to ensure high precision machining operations.
- Electricity needs not be applied continuously even when holding workpieces, helping reduce running costs.
- The holding power is maintained by the permanent magnet in the event of power failure, improving safety.



An example of large size fabrication

[mm (in)]

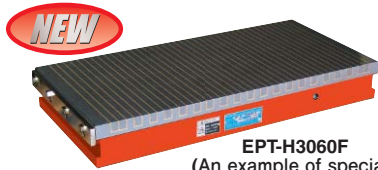
Model	Nominal Dimensions	Top Plate				Pole Pitch P	Bottom Plate		Height		Voltage	Current	Power Cord	Mass	Electro Chuck Master
		B	L	Le	t		L ₂	h	H						
EPT-1530D	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	240 (9.44)	20.5 (0.80)	14 (2+12) 0.55 (0.07+0.47)	300 (11.8)	20 (0.78)	80 (3.15)	180 VDC	0.9, 1.0, 1.4, 3.4, 3.6, 2.8, 6.6, 7.4, 6.1	2m (78.7), 3m (118), 5m (196)	24kg / 52 lb	EPH-LW205B EPH-LWE205B EPS-W215B	
EPT-1535D	150 (5.90) × 350 (13.7)		350 (13.7)	296 (11.6)			350 (13.7)								
EPT-1545D	150 (5.90) × 450 (17.7)	450 (17.7)	380 (14.9)	450 (17.7)											
EPT-2050D	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)	436 (17.1)	25.0 (0.98)	19.5 (2.5+17) 0.76 (0.09+0.66)	500 (19.6)	25 (0.98)	100 (3.93)						
EPT-2060D	200 (7.87) × 600 (23.6)		600 (23.6)	548 (21.5)			600 (23.6)								
EPT-3060D	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	529 (20.8)	25.0 (0.98)	19.5 (2.5+17) 0.76 (0.09+0.66)	600 (23.6)	25 (0.98)	100 (3.93)						
EPT-4080D	400 (15.7) × 800 (31.5)		800 (31.5)	724 (28.5)			800 (31.5)								
EPT-40100D	400 (15.7) × 1000 (39.3)	400 (15.7)	800 (31.5)	724 (28.5)	25.0 (0.98)	19.5 (2.5+17) 0.76 (0.09+0.66)	800 (31.5)	25 (0.98)	100 (3.93)						
EPT-50100D	500 (19.6) × 1000 (39.3)		1000 (39.3)	919 (36.1)			1000 (39.3)								

※1...A 90V model is also available. Please contact us. ※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.

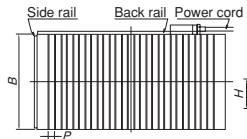
PERMANENT ELECTROMAGNETIC CHUCKS
BLOCKS FOR MC

Model EPT-H POWERFUL TYPE

VACUUM CHUCKS
PROMELTA SYSTEM
SINE BAR CHUCKS



EPT-H3060F
(An example of special fabrication)



NOTE: The dimension L2 has not been machined together with the dimension L and some variation exists.

Chuck controller required additionally

[Application]

Most suitable for highly accurate grinding such as precision grinding and slicing.

[Features]

- It has the structure, which generates stronger magnetic force than standard type (EPT-D type) and therefore, it fixes a work piece strongly even during milling work for which processing load is heavy.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch P	Bottom Plate		Height		Voltage	Power Cord	Mass	Electro Chuck Master
		B	L	Le	t		L ₂	h	H					
EPT-H1530D	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)	100 (3.93)	DC180 V	2m (78.7), 3m (118), 5m (196)	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)							
EPT-H3060F	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	529 (20.8)	600 (23.6)									
EPT-H4080F	400 (15.7) × 800 (31.5)	400 (15.7)	800 (31.5)	724 (28.5)	800 (31.5)									
EPT-H50100F	500 (19.6) × 1000 (39.3)	500 (19.6)	1000 (39.3)	919 (36.1)	1000 (39.3)									

※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.

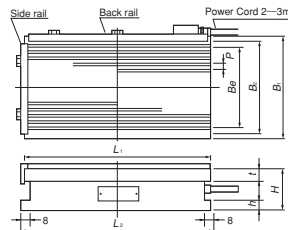
MAGNETIC BLOCKS

Model EPTW MICROPITCH TYPE

WORKING TOOLS
MEASURING TOOL HOLDERS
MAGNETIC TOOLS



EPTW-1530



Chuck controller required additionally

[Application]

Suitable for precision grinding on grinders and for holding thin and thick workpieces having a large area.

[Features]

- Thanks to finer pole pitches on the chuck work face, these chucks hold thin and wide workpieces firmly.
- Electricity is applied momentarily only to control the magnetomotive force when mounting and dismounting workpieces, minimizing heat generated internally to maintain accuracy.
- Electricity needs not be applied continuously even when holding workpieces, helping reduce running costs.
- The holding power is maintained in the event of power failure or cable breakage, thus improving safety.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch P	Bottom Plate		Height		Voltage	Power Cord	Mass	Electro Chuck Master
		B ₁	L ₁	t	B _e		B ₂	L ₂	h	H				
EPTW-1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	20 (0.78)	125 (4.92)	4 (0.8+3.2) 0.15 (0.03+0.12)	148 (5.82)	18 (0.70)	95 (3.74)	90 VDC	2m (78.7), 3m (118)	29kg / 63 lb	EPS-215B	
EPTW-1545	150 (5.90) × 450 (17.7)		450 (17.7)	450 (17.7)			300 (11.8)							
EPTW-2040	200 (7.87) × 400 (15.7)	400 (15.7)	173 (6.81)	400 (15.7)										
EPTW-2050	200 (7.87) × 500 (19.6)	500 (19.6)	25 (0.98)	500 (19.6)										
EPTW-2560	250 (9.84) × 600 (23.6)	250 (9.84)	600 (23.6)	217 (8.54)	248 (9.76)	20 (0.78)	120 (4.72)							
EPTW-3060	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	269 (10.5)	298 (11.7)									

※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.