

# ELECTROMAGNETIC CHUCKS

## Model KEZX SUPER POWERFUL ELECTROMAGNETIC CHUCK WITH T-SLOTS

Environmentally friendly

Chuck controller required additionally

[Application]

A super powerful electromagnetic chuck having T-slots for heavy duty cutting. A range of workpieces that can be held has been expanded by a combination of a quick working magnet system and clamps by use of T-grooves.

As the mechanical clamping mechanism is incorporated, irregularly shaped workpieces and nonmagnetic workpieces that cannot be held by normal electromagnetic chucks can be held easily.

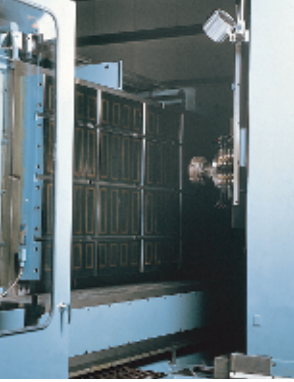
When clamping a nonmagnetic workpiece, such work as demounting the electromagnetic chuck from the machine table can be eliminated.

Model KEZX comes both in the flat type and vertical type.

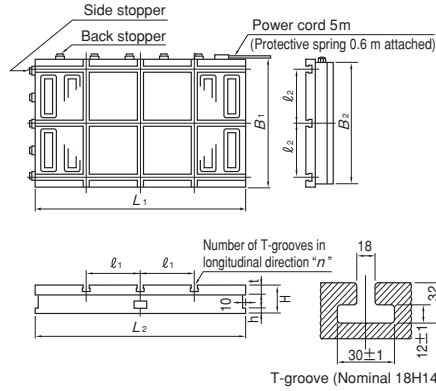
[Features]

- Super powerful electromagnetic chuck specially designed for heavy duty cutting.
- Small and irregularly shaped workpieces can be held firmly by a combination of a magnet and clamping by use of T-slots.
- Since a nonmagnetic workpiece can be secured by clamping by use of T-slots, such steps as mounting and demounting the electromagnetic chuck to and from the machine table are not required.
- With the vertical type, effective usage of T-grooves with the magnetic force of the electromagnetic chuck reduced (or turned off completely) facilitates positioning of the workpiece or obtaining the reference plane.
- Workpieces having a small attractive face area can also be clamped firmly.

An example of vertical usage



KEZX-50100B (An example of special fabrication)



[mm (in.)]

Model	Nominal Size	Work Face					Number of T-slots			Mounting Face			Height	Voltage	Current	Mass	Electro Chuck Master
		B <sub>1</sub>	L <sub>1</sub>	t	ℓ <sub>1</sub>	ℓ <sub>2</sub>	X	Y	B <sub>2</sub>	L <sub>2</sub>	h						
KEZX-50100B	500 (19.6) × 1000 (39.4)	500 (19.6)	1000 (39.4)	50 (1.96)	242 (9.52)	200 (7.87)	3	3	490 (19.2)	1000 (39.4)	20 (0.78)	130 (5.11)	90 VDC	4.2A	442kg/ 974 lb	5A Series	
KEZX-50150B	500 (19.6) × 1500 (59.0)		1500 (59.0)		(238) (9.36)		3	5		1500 (59.0)				6.1A	663kg/1462 lb	EH-VE210D	
KEZX-60100B	600 (23.6) × 1000 (39.4)	600 (23.6)	1000 (39.4)		242 (9.52)	250 (9.84)		3	590 (23.2)	1000 (39.4)				5.7A	530kg/1168 lb		

※ "5A Series" refers to Chuck Masters in general the rated output current of which is 5A. ※ The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

## Model KETZ SUPER POWERFUL ELECTROMAGNETIC CHUCK

Environmentally friendly

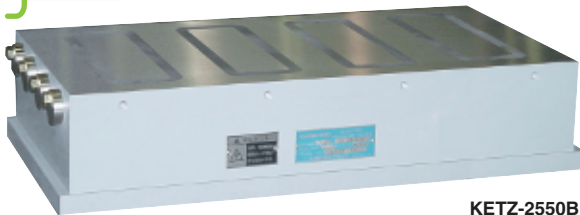
Chuck controller required additionally

[Application]

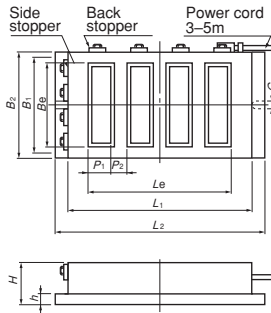
Designed for heavy duty cutting by a milling machine and planomiller. Most suitable for powerful chucking of thick workpieces and high-speed cutting where a large cutting force is exerted.

[Features]

- Super powerful electromagnetic chucks specially designed for heavy duty cutting.
- Various measures provided for easy mounting, easy wiring and quick elimination of residual magnetism.
- Very effective holding power for workpieces that are 15 mm or thicker and sized 140×140 mm or larger.



KETZ-2550B



[mm (in.)]

Model	Nominal Size	Work Face				Pole Pitch		No. of Poles	Mounting Face			Height	Mounting Hole	Voltage	Current	Mass	Electro Chuck Master	Remarks
		B <sub>1</sub>	L <sub>1</sub>	L <sub>e</sub>	B <sub>e</sub>	P <sub>1</sub>	P <sub>2</sub>		B <sub>2</sub>	L <sub>2</sub>	h							
KETZ-1530B	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	240 (9.44)	90	228 (8.97)	—	1	156 (6.14)	350 (13.7)	18 (0.70)	90 (3.54)	14	0.45A	28kg/ 61lb	※ ES-M103B ES-M305B EH-V305A EH-VE305A	※ For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."	
KETZ-1545B	150 (5.90) × 450 (17.7)	150 (5.90)	450 (17.7)	390 (15.3)	90	378 (14.8)	—	1	156 (6.14)	500 (19.6)	18 (0.70)	90 (3.54)	14	0.66A	42kg/ 92lb			
KETZ-2050B	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)	422 (16.6)	160 (6.29)	62 (2.44)	54 (2.12)	4	206 (8.10)	520 (20.4)	20 (0.78)	100 (3.93)	14	0.90A	68kg/ 149lb			
KETZ-2060B	200 (7.87) × 600 (23.6)	200 (7.87)	600 (23.6)	520 (20.4)	160 (6.29)	60 (2.36)	52 (2.04)	5	206 (8.10)	620 (24.4)	20 (0.78)	100 (3.93)	14	0.95A	79kg/ 174lb			
KETZ-2080B	200 (7.87) × 800 (31.5)	200 (7.87)	800 (31.5)	718 (28.2)	160 (6.29)	58 (2.28)	50 (1.96)	7	206 (8.10)	820 (32.2)	20 (0.78)	100 (3.93)	14	1.42A	115kg/ 253lb			
KETZ-2550B	250 (9.84) × 500 (19.6)	250 (9.84)	500 (19.6)	422 (16.6)	200 (7.87)	62 (2.44)	54 (2.12)	4	256 (10.0)	520 (20.4)	20 (0.78)	110 (4.33)	14	1.16A	94kg/ 207lb			
KETZ-2560B	250 (9.84) × 600 (23.6)	250 (9.84)	600 (23.6)	520 (20.4)	200 (7.87)	60 (2.36)	52 (2.04)	5	256 (10.0)	620 (24.4)	20 (0.78)	110 (4.33)	14	1.26A	118kg/ 260lb			
KETZ-3060B	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	520 (20.4)	240 (9.44)	67 (2.63)	56 (2.20)	5	306 (12.0)	920 (36.2)	20 (0.78)	110 (4.33)	14	1.64A	143kg/ 315lb			
KETZ-3090B	300 (11.8) × 900 (35.4)	300 (11.8)	900 (35.4)	817 (32.1)	240 (9.44)	67 (2.63)	56 (2.20)	7	306 (12.0)	920 (36.2)	20 (0.78)	110 (4.33)	14	3.04A	203kg/ 447lb			
KETZ-4080B	400 (15.7) × 800 (31.5)	400 (15.7)	800 (31.5)	718 (28.2)	340 (13.3)	58 (2.28)	50 (1.96)	7	410 (16.1)	820 (32.2)	20 (0.78)	110 (4.33)	14	3.23A	240kg/ 529lb			
KETZ-40100B	400 (15.7) × 1000 (39.4)	400 (15.7)	1000 (39.4)	917 (36.1)	340 (13.3)	58 (2.28)	50 (1.96)	8	410 (16.1)	1020 (40.1)	20 (0.78)	110 (4.33)	14	3.69A	300kg/ 661lb			
KETZ-50100B	500 (19.6) × 1000 (39.4)	500 (19.6)	1000 (39.4)	917 (36.1)	430 (16.9)	55 (2.16)	—	8	510 (20.0)	1020 (40.1)	20 (0.78)	110 (4.33)	14	3.95A	375kg/ 826lb			
⊙ KETZ-50150C	500 (19.6) × 1500 (59.0)	500 (19.6)	750 (29.5) × 2	1417 (55.7)	430 (16.9)	65 (2.55)	52 (2.04)	6 × 2	510 (20.0)	1520 (59.8)	20 (0.78)	110 (4.33)	14	2.69A × 2	552kg/ 1217lb			
KETZ-60100B	600 (23.6) × 1000 (39.4)	600 (23.6)	1000 (39.4)	917 (36.1)	530 (20.8)	55 (2.16)	—	8	610 (24.0)	1020 (40.1)	20 (0.78)	110 (4.33)	14	5.30A	414kg/ 912lb			
⊙ KETZ-60150C	600 (23.6) × 1500 (59.0)	600 (23.6)	750 (29.5) × 2	1412 (55.5)	530 (20.8)	52 (2.04)	52 (2.04)	6 × 2	610 (24.0)	1520 (59.8)	20 (0.78)	110 (4.33)	14	3.51A × 2	650kg/ 1433lb			

※ The power cord is 3 m for KETZ-1530B and 1545B and 5 m for others. ※ If the magnetic force needs not be adjusted, use ES-M. ※ Sizes not listed above are also available.

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

※ The models marked by ⊙ are of duplex type. Please provide information such as a center connecting hole position. Also the terminal box TB-2PD is required for connection to the Chuck Master.

P17-P20