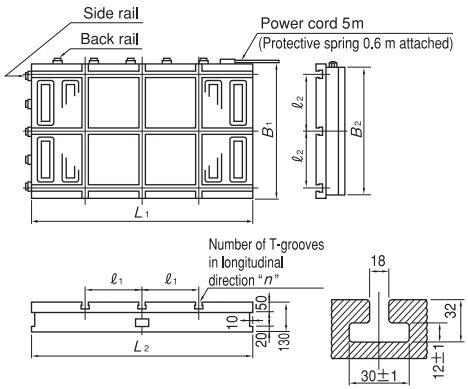
Model KEZX SUPER POWERFUL T-SLOT TYPE

KEZX-50100A

An example of vertical usage

Chuck controller required additionally



T-groove (Nominal 18H14)

[Application]

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, irregular workpieces and nonmagnetic workpieces that can not be held by normal electromagnetic chucks can be held easily.

When clamping a nonmagnetic workpiece, such work as dismounting 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 chucks specially designed for heavy duty cutting.
- Small and irregular-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, no such operations as mounting and dismounting the electromagnetic chuck to and from the machine table are required.
- With the vertical type, an 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.

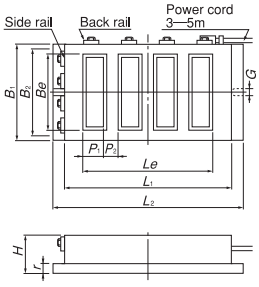
[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate t	Top Plate ℓ_1	Top Plate ℓ_2	T-Slot In X	T-Slot In Y	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Voltage	Current	Mass	Electro Chuck Master
KEZX-50100A	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	5ASeries
KEZX-50150B	500 (19.6) ×1500 (59.0)		1500 (59.0)		(238) (9.36)			6		1500 (59.0)				6.1A	663kg/ 1462 lb	EH-VE210C
KEZX-60100A	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	

※The full-functional chuck controller is equipment that has both the rectifying and demagnetizing functions. "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 TYPE

KETZ-2550B



[Application]

Most efficient for heavy duty cutting with milling machine, shaper, planer and planomiller. It provides holding for thick workpieces and high speed cutting operation.

[Features]

- Super powerful electromagnetic chucks specially designed for heavy duty cutting operation.
- Designed for very easy mounting, easy wiring hook-up, and elimination of residual magnetism.
- More effective holding power for workpieces sized bigger than 140×140 mm thicker than 15 mm.

Chuck controller required additionally

[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate Le	Top Plate Be	Pole Pitch P_1	Pole Pitch P_2	No.of Poles	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Hole G	Voltage	Current	Mass	Electro Chuck Master	Remarks
KETZ- 1530B	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	240 (9.44)	90 (3.54)	228 (8.97)	—	1	156 (6.14)	350 (13.7)	18 (0.70)	90 (3.54)	14	90 VDC	0.45A	28kg/ 61lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KETZ- 1545B	150 (5.90) × 450 (17.7)		450 (17.7)	390 (15.3)		378 (14.8)	—			500 (19.6)					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)	Clamping (no hole)		0.90A	68kg/ 149lb		
KETZ- 2060B	200 (7.87) × 600 (23.6)		600 (23.6)	520 (20.4)		60 (2.36)	52 (2.04)	5		620 (24.4)					0.95A	79kg/ 174lb		
KETZ- 2080B	200 (7.87) × 800 (31.5)		800 (31.5)	718 (28.2)		58 (2.28)	50 (1.96)	7		820 (32.2)					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)		110 (4.33)			1.16A	94kg/ 207lb		
KETZ- 2560B	250 (9.84) × 600 (23.6)		600 (23.6)	520 (20.4)		60 (2.36)	52 (2.04)	5		620 (24.4)					1.26A	118kg/ 260lb		
KETZ- 3060B	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	520 (20.4)	240 (9.44)				306 (12.0)						1.64A	143kg/ 315lb		
KETZ- 3090B	300 (11.8) × 900 (35.4)		900 (35.4)	817 (32.1)		67 (2.63)	56 (2.20)	7		920 (36.2)					3.04A	203kg/ 447lb	Above models except for the one marked by ※.	
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)		410 (16.1)	820 (32.2)					3.23A	240kg/ 529lb		
KETZ-40100B	400 (15.7) ×1000 (39.4)		1000 (39.4)	917 (36.1)			55 (2.16)	8		1020 (40.1)					3.69A	300kg/ 661lb		
KETZ-50100B	500 (19.6) ×1000 (39.4)	500 (19.6)	1000 (39.4)		430 (16.9)	65 (2.55)			510 (20.0)						3.95A	375kg/ 826lb		
◎KETZ-50150C	500 (19.6) ×1500 (59.0)		750 (29.5) X2	1417 (55.7)			52 (2.04)	6×2		1520 (59.8)					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)					5.30A	414kg/ 912lb	EH-VE210C	
◎KETZ-60150C	600 (23.6) ×1500 (59.0)		750 (29.5) X2	1412 (55.5)			52 (2.04)	6×2		1520 (59.8)					3.51A×2	650kg/1433lb		

※The power cord attached is 3 m for KETZ-1530B and 1545B and 5 m for other models.
※Full-function chuck masters are available with both rectification and demagnetization functions. ※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 used combined section chucks. Please provide information such as center connecting hole position. Also the branch box TB-2PD is required for connection to the chuck master.

Model KETN POWERFUL WAVEFORM TYPE

KETN-3060A

Chuck controller required additionally

[Application]

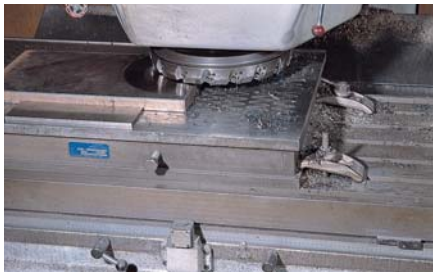
For cutting workpieces with milling machine, shaper, planer and planomiller.

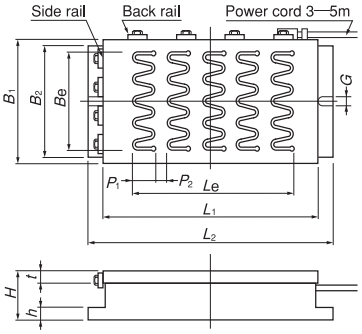
The magnetic force is evenly distributed over the entire attractive surface. This chuck is specially designed for more powerful holding for cutting operations, in a wide range of applications.

[Features]

- Electromagnetic chucks producing strong holding power specially for cutting operations.
- Specially designed to minimize influence of magnetism on cutters.
- For heavy duty cutting, Model KETZ, super powerful electromagnetic chuck, is available, but this model has a wider application range that includes workpieces thinner than 15 mm, for which Model KETZ is not suitable.

An example of mounting on machine



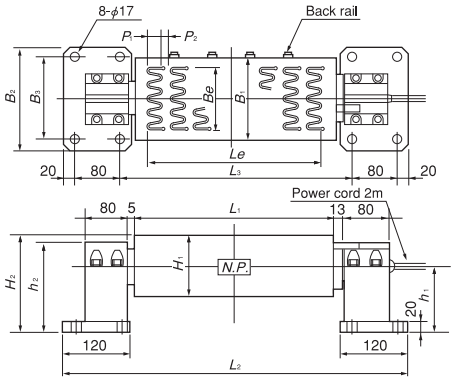


[mm (in)]

Model	Nominal Dimensions	Top Plate B1	Top Plate L1	Top Plate t	Top Plate Be	Top Plate Le	Pole Pitch P1	Pole Pitch P2	Bottom Plate B2	Bottom Plate L2	Bottom Plate h	Height H	Hole G	Voltage	Current	Mass	Electro Chuck Master	Remarks
KETN- 1530A	150 (5.90) X 300 (11.8)	150 (5.90)	300 (11.8)	20 (0.78)	112 (4.40)	248 (9.76)	28 (1.10)	16 (0.62)	146 (5.74)	344 (13.5)	18 (0.70)	100 (3.93)	14	90 VDC	0.49A	27kg/ 59lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P1—P20
KETN- 1545A	150 (5.90) X 450 (17.7)		450 (17.7)			404 (15.9)	26 (1.02)			494 (19.4)					0.87A	41kg/ 90lb		
KETN- 2050A	200 (7.87) X 500 (19.6)	200 (7.87)	500 (19.6)		152 (5.98)	440 (17.3)	22 (0.86)		196 (7.71)	544 (21.4)					1.09A	80kg/ 176lb		
KETN- 2060A	200 (7.87) X 600 (23.6)		600 (23.6)			523 (20.5)	22.5 (0.88)			600 (23.6)			Clamping		1.18A	98kg/ 216lb		
KETN- 2550A	250 (9.84) X 500 (19.6)	250 (9.84)	500 (19.6)		208 (8.18)	440 (17.3)	22 (0.86)		246 (9.68)	544 (21.4)			14		1.42A	102kg/ 224lb		
KETN- 3060A	300 (11.8) X 600 (23.6)	300 (11.8)	600 (23.6)	25 (0.98)	246 (9.68)	523 (20.5)	22.5 (0.88)		294 (11.5)	600 (23.6)	20 (0.78)	120 (4.72)	Clamping		1.59A	130kg/ 286lb		
KETN- 3080A	300 (11.8) X 800 (31.5)		800 (31.5)			722 (28.4)	26 (1.02)			800 (31.5)					2.21A	173kg/ 381lb		
KETN-30100A	300 (11.8) X1000 (39.4)		1000 (39.4)			919 (36.1)	26.5 (1.04)			1000 (39.4)					3.35A	240kg/ 529lb	Above models except for the one marked by ※.	
KETN- 4080A	400 (15.7) X 800 (31.5)	400 (15.7)	800 (31.5)		342 (13.4)	722 (28.4)	25 (0.98)		390 (15.3)	800 (31.5)					3.05A	230kg/ 507lb		
KETN-40100A	400 (15.7) X1000 (39.4)		1000 (39.4)			919 (36.1)	26.5 (1.04)			1000 (39.4)					4.17A	288kg/ 634lb		
KETN-50100A	500 (19.6) X1000 (39.4)	500 (19.6)			432 (17.0)	920 (36.2)	23 (0.90)		490 (19.2)						5.86A	400kg/ 881lb	EH-VE210C	
KETN-60100A	600 (23.6) X1000 (39.4)	600 (23.6)			522 (25.5)	924 (36.3)	31 (1.22)		590 (23.2)						5.66A	470kg/1036lb		

※The power cord attached is 3 m for KETN-1530A and 1545A and 5 m for other models. ※Full-function chuck masters are available with both rectification and demagnetization functions.
※If the magnetic force needs not be adjusted, use ES-M. ※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

Model KETN-U POWERFUL ROTARY TYPE



Chuck controller required additionally

[Application]

Suitable for heavy duty grinding and light duty cutting of inclined surfaces of jigs/fixtures and metallic molds.

[Features]

- Strong holding power.
- Easy mounting and an angle can be set as desired in a range of 90° front and 90° back.
- The rotary shaft with scale facilitates angle setting.

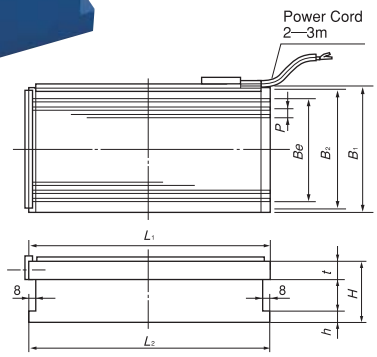
[mm (in)]

Model	Nominal Dimensions	Top Plate B1	Top Plate L1	Top Plate Be	Top Plate Le	Top Plate H1	Pole Pitch P1	Pole Pitch P2	Rotary Base B2	Rotary Base B3	Rotary Base L3	Rotary Base h1	Rotary Base h2	Length L2	Height H2	Voltage	Current	Mass	Electro Chuck Master	Remarks
KETN-1530U	150 (5.90) X300 (11.8)	150 (5.90)	300 (11.8)	116 (4.56)	248 (9.76)	110 (4.33)	28 (1.10)	16 (0.62)	190 (7.48)	150 (5.90)	352 (13.8)	120 (4.72)	163 (6.41)	552 (21.7)	175 (6.89)	90 VDC	0.49A	56kg/123 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※ For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KETN-1545U	150 (5.90) X450 (17.7)		450 (17.7)		404 (15.9)		26 (1.02)				502 (19.7)			702 (27.6)			0.83A	72kg/158 lb		
KETN-2050U	200 (7.87) X500 (19.6)	200 (7.87)	500 (19.6)	152 (5.98)	440 (17.3)		22 (0.86)				552 (21.7)			752 (29.6)			1.26A	96kg/211 lb		
KETN-2060U	200 (7.87) X600 (23.6)		600 (23.6)		530 (20.8)		22.5 (0.88)				652 (25.6)			852 (33.5)			1.17A	110kg/242 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.
※The scaled ring can be used to set an angle roughly. When it is necessary to set the angle accurately, please use a Sine Bar Chuck or other suitable type.

Model KESL HORIZONTAL PITCH TYPE

KESL-1530A



Chuck controller required additionally

[Application]

These are versatile electromagnetic chucks, with longitudinal direction poles; capable of holding workpieces, thin and thick, used in grinding and light duty cutting. In particular, these chucks are suited for long workpieces, and used in additional applications such as buff and belt grinding of large quantities of workpieces, which are difficult to hold on standard type electro-magnetic chucks.

[Features]

- Close pole pattern, in longitudinal direction.
- The N-S magnetic force lines are spaced relatively wide for good holding via a belt. (Note, however, that because the distribution of the holding power is not uniform, they may not be suitable for grinding small workpieces arranged over the whole surface.)
- Powerful holding, with low profile height.

[mm (in)]

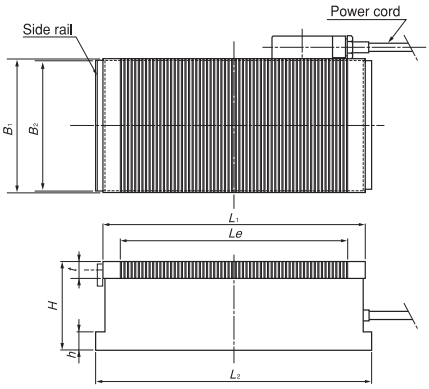
Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate t	Top Plate Be	Pole Pitch P	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Voltage	Current	Power Cord	Mass	Electro Chuck Master
KESL-1025A	100 (3.93) ×250 (9.84)	100 (3.93)	250 (9.84)	20 (0.78)	77 (3.03)	4 (1+3) (0.15)	98 (3.85)	250 (9.84)	13 (0.51)	70 (2.75)	90 VDC	0.36A	2m (78.7)	12kg/ 26 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C
KESL-1325A	125 (4.92) ×250 (9.84)	125 (4.92)			101 (3.97)		123 (4.84)					0.26A		14kg/ 31 lb	
KESL-1530A	150 (5.90) ×300 (11.8)	150 (5.90)	300 (11.8)		125 (4.92)		148 (5.82)	300 (11.8)				0.48A		19kg/ 42 lb	
KESL-1535A	150 (5.90) ×350 (13.7)		350 (13.7)					350 (13.7)				0.61A		23kg/ 51 lb	
KESL-1545A	150 (5.90) ×450 (17.7)		450 (17.7)					450 (17.7)				0.85A		29kg/ 64 lb	
KESL-2040A	200 (7.87) ×400 (15.7)	200 (7.87)	400 (15.7)		173 (6.81)		198 (7.79)	400 (15.7)				1.08A		34kg/ 75 lb	
KESL-2050A	200 (7.87) ×500 (19.6)		500 (19.6)					500 (19.6)				1.50A	3m (118)	42kg/ 93 lb	
KESL-2060A	200 (7.87) ×600 (23.6)		600 (23.6)					600 (23.6)				1.60A		51kg/113 lb	
KESL-2550A	250 (9.84) ×500 (19.6)	250 (9.84)	500 (19.6)	27 (1.06)	225 (8.85)		248 (9.76)	500 (19.6)		85 (3.34)		1.64A	3m (118)	62kg/137 lb	
KESL-3060A	300 (11.8) ×600 (23.6)	300 (11.8)	600 (23.6)		273 (10.75)		298 (11.7)	600 (23.6)				1.70A		98kg/216 lb	

P16—P20

※If the magnetic force needs not be adjusted, use ES-M. ※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

Model KETW-N MICROPITCH TYPE

KETW-N1530



Chuck controller required additionally

[Application]

Designed for holding thin workpieces in grinding and cutting operations. workpieces should be longer than 80mm (3.15 inch) and placed in the longitudinal direction.

[Features]

- In addition to grinding of thin workpieces that meet the above conditions, this model is suitable for cutting.

〈Information〉

For small and thin workpieces, the permanent magnetic type micropitch chuck is recommended. Please see Model RMWH.

[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate t	Top Plate Le	Pole Pitch P	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Hole	Voltage	Current	Power Cord	Mass	Electro Chuck Master	Remarks
KETW-N1530	150 (5.90) ×300 (11.8)	150 (5.90)	300 (11.8)	20 (0.78)	245 (9.64)	4 (0.8+3.2) (0.15)	146 (5.74)	314 (12.3)	20 (0.78)	100 (3.93)	Clamping	90 VDC	0.4A	2m (78.7)	31kg/ 68 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KETW-N1535	150 (5.90) ×350 (13.7)		350 (13.7)		293 (11.5)			364 (14.3)					0.45A		36kg/ 79 lb		
KETW-N1545	150 (5.90) ×450 (17.7)		450 (17.7)		397 (15.6)			464 (18.2)					0.62A		46kg/101 lb		
KETW-N2040	200 (7.87) ×400 (15.7)	200 (7.87)	400 (15.7)	25 (0.98)	349 (13.7)		196 (7.71)	414 (16.3)		120 (4.72)			0.7A		65kg/144 lb		
KETW-N2050	200 (7.87) ×500 (19.6)		500 (19.6)		445 (17.5)			514 (20.2)					0.8A	3m (118)	82kg/180 lb		
KETW-N2060	200 (7.87) ×600 (23.6)		600 (23.6)		549 (21.6)			614 (24.1)					0.92A		98kg/216 lb		
KETW-N2560	250 (9.84) ×600 (23.6)	250 (9.84)					246 (9.68)						1.2A		123kg/271 lb		
KETW-N3060	300 (11.8) ×600 (23.6)	300 (11.8)					296 (11.4)						1.56A		147kg/324 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used. ※Only the side stopper is included. (The back stopper is not included.)

Model KET STANDARD TYPE

KET-3060E

Chuck controller required additionally

[Application]

Most widely used electromagnetic chucks for grinding operations.

[Features]

■High Rigidity, High Reliability and High Accuracy!

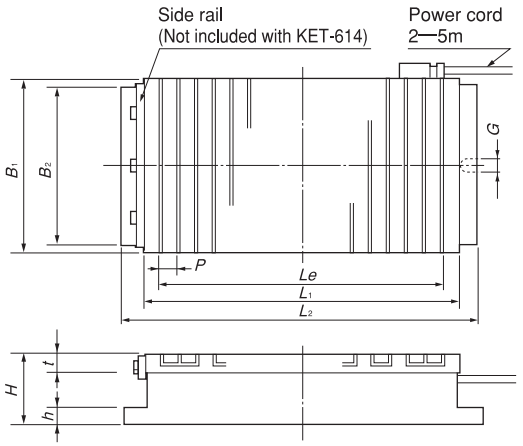
Kanetec's original machining technology is used to realize a lavish body-to-case one piece hollow construction, instead of a welding construction, to enhance the rigidity, minimize change with time passage and improve accuracy of the chucks.

■Kanetec's Original Light-Weight Design!

The chuck weight has been reduced as much as possible in consideration of driving the table of grinders. This design helps contribute to a longer service life of grinders.

■Simple Thin Type yet Strong Holding Power!

The chucks have been designed as low as possible to increase a workpiece mounting space on the grinder. The total height is as short as 70 mm to 80 mm for small and medium types and 85 mm for large types, thus various types of workpieces can be held. Though thin, Kanetec's original design to secure an electromagnetic coil space ensures strong holding power.

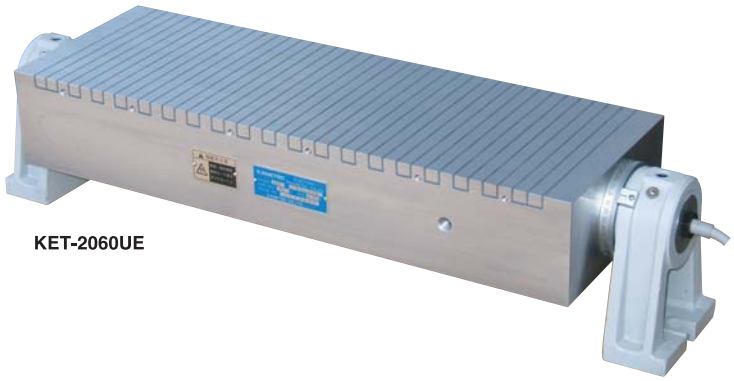


[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate t	Top Plate Le	Pole Pitch P	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Hole G	Voltage	Current	Power Cord	Mass	Electro Chuck Master	Remarks
KET- 614	60 (2.36) × 140 (5.51)	63 (2.48)	140 (5.51)	13 (0.51)	106 (4.17)	8 (2+6) (0.31)	60 (2.36)	170 (6.69)	12 (0.47)	67 (2.63)	8	90 VDC	0.12A	2m (78.7)	3.5kg/ 7 lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KET- 1025E	100 (3.93) × 250 (9.84)	100 (3.93)	250 (9.84)	20 (0.78)	211 (8.30)	11 (2+9) (0.43)	96 (3.78)	294 (11.5)	18 (0.70)	70 (2.75)	10		0.16A		12kg/ 26 lb		
KET- 1325E	125 (4.92) × 250 (9.84)	125 (4.92)			212 (8.34)	14 (2+12) (0.55)	119 (4.68)				14		0.19A		15kg/ 33 lb		
KET- 1530E	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)		240 (9.44)		144 (5.66)	344 (13.5)					0.20A		21kg/ 46 lb		
KET- 1535E	150 (5.90) × 350 (13.7)		350 (13.7)		296 (11.6)			394 (15.5)					0.22A		25kg/ 55 lb		
KET- 1545E	150 (5.90) × 450 (17.7)		450 (17.7)		408 (16.0)			494 (19.4)					0.29A		32kg/ 70 lb		
KET- 2040E	200 (7.87) × 400 (15.7)	200 (7.87)	400 (15.7)		352 (13.8)		194 (7.63)	444 (17.4)					0.43A		38kg/ 83 lb		
KET- 2050E	200 (7.87) × 500 (19.6)		500 (19.6)		464 (18.2)			544 (21.4)					0.34A		47kg/ 103 lb		
KET- 2060E	200 (7.87) × 600 (23.6)		600 (23.6)		548 (21.5)			600 (23.6)			Clamping (no hole)		0.47A		57kg/ 125 lb		
KET- 2550E	250 (9.84) × 500 (19.6)	250 (9.84)	500 (19.6)		451 (17.7)		240 (9.44)	500 (19.6)		80 (3.15)			0.56A	3m (118)	67kg/ 147 lb		
KET- 2560E	250 (9.84) × 600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)					0.72A		80kg/ 176 lb		
KET- 3050E	300 (11.8) × 500 (19.6)	300 (11.8)	500 (19.6)		451 (17.7)		290 (11.4)	500 (19.6)					0.68A				
KET- 3060E	300 (11.8) × 600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)					1.06A		94kg/ 207 lb		
KET- 3090B	300 (11.8) × 900 (35.4)		900 (35.4)		841 (33.1)			900 (35.4)					1.22A	5m (196)	145kg/ 319 lb		
KET- 4050B	400 (15.7) × 500 (19.6)	400 (15.7)	500 (19.6)	25 (0.98)	451 (17.7)	19.5 (2.5+17) (0.76)	390 (15.3)	500 (19.6)	20 (0.78)	85 (3.34)			0.96A	3m (118)	114kg/ 251 lb		
KET- 4060B	400 (15.7) × 600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)					1.09A		137kg/ 302 lb		
KET- 4080B	400 (15.7) × 800 (31.5)		800 (31.5)		724 (28.5)			800 (31.5)					1.42A	5m (196)	182kg/ 401 lb		
KET-40100B	400 (15.7) ×1000 (39.4)		1000 (39.4)		958 (37.7)			1000 (39.4)					1.74A		228kg/ 502 lb		
KET- 5050B	500 (19.6) × 500 (19.6)	500 (19.6)	500 (19.6)		451 (17.7)		490 (19.2)	500 (19.6)					0.93A	3m (118)	142kg/ 313 lb		
KET- 5060B	500 (19.6) × 600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)					1.06A		171kg/ 377 lb		
KET- 5065B	500 (19.6) × 650 (25.5)		650 (25.5)		607 (23.9)			650 (25.5)					1.30A		185kg/ 407 lb		
KET-50100B	500 (19.6) ×1000 (39.4)		1000 (39.4)		958 (37.7)			1000 (39.4)					1.71A	5m (196)	285kg/ 628 lb		
KET- 6060B	600 (23.6) × 600 (23.6)	600 (23.6)	600 (23.6)		529 (20.8)		590 (23.2)	600 (23.6)					1.48A	3m (118)	205kg/ 451 lb		
KET-60100B	600 (23.6) ×1000 (39.4)		1000 (39.4)		958 (37.7)			1000 (39.4)					3.10A	5m (196)	342kg /754 lb	Above models except for the one marked by ※.	
KET- 7075B	700 (27.5) × 750 (29.5)	700 (27.5)	750 (29.5)		685 (26.9)		690 (27.1)	750 (29.5)					2.87A	3m (118)	299kg/ 659 lb		
KET-80100B	800 (31.5) ×1000 (39.4)	800 (31.5)	1000 (39.4)		958 (37.7)		790 (31.1)	1000 (39.4)					4.23A	5m (196)	456kg/1005 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions.
※If the magnetic force needs not be adjusted, use ES-M.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.
※Except for KET-614, only the side stopper is included. (The back stopper is not included.)
※Chucks for electric discharge machining are also available. Please contact us. (Model KET-ED)

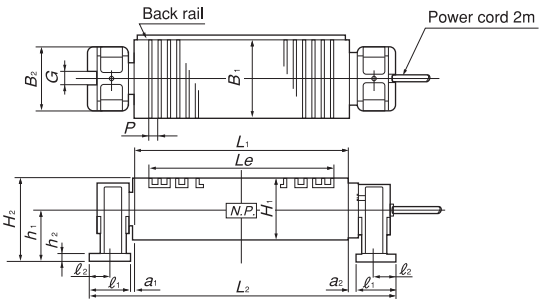
Model KET-U ROTARY TYPE



KET-2060UE

[Application]
Suitable for grinding inclined faces of jigs/fixture and metallic molds.

[Features]
- Easy installation and an angle can be set as desired in a range of 90° front and 90° back.
- The rotary shaft with scale facilitates angle setting.



Chuck controller required additionally

[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate Le	Top Plate H_1	Pole Pitch P	Rotary Base B_2	Rotary Base ℓ_1	Rotary Base ℓ_2	Rotary Base G	Rotary Base h_1	Rotary Base h_2	Rotary Base a_1	Rotary Base a_2	Length L_2	Height H_2	Voltage	Current	Mass	Electro Chuck Master	Remarks
KET- 614U	60 (2.36) X140 (5.51)	60 (2.36)	140 (5.51)	106 (4.17)	60 (2.36)	8 (2+6) (0.31)	60 (2.36)	48 (1.89)	20 (0.78)	8.5 (0.33)	5.5 (0.21)	13 (0.51)	4 (0.15)	12 (0.47)	242 (9.52)	85 (3.34)		0.09A	4kg/ 8 lb		
KET-1025UE	100 (3.93) X250 (9.84)		250 (9.84)	211 (8.30)		11 (2+9) (0.43)	95 (3.74)				75 (2.95)	16 (0.62)			382 (15.0)			0.16A	21kg/ 46 lb		
KET-1030UE	100 (3.93) X300 (11.8)	100 (3.93)	300 (11.8)	255 (10.0)											432 (17.0)	125 (4.92)		0.21A	23kg/ 50 lb		
KET-1040UE	100 (3.93) X400 (15.7)		400 (15.7)	365 (14.3)											532 (20.9)			0.26A	30kg/ 66 lb		
KET-1230UE	120 (4.72) X300 (11.8)	120 (4.72)	300 (11.8)	240 (9.44)	100 (3.93)	14 (2+12) (0.55)	100 (3.93)	54 (2.12)	25 (0.98)	14 (0.55)	91 (3.58)	18 (0.70)	8 (0.31)	16 (0.62)	432 (17.0)	141 (5.55)	90 VDC	0.21A	29kg/ 64 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KET-1530UE	150 (5.90) X300 (11.8)																	0.20A	37kg/ 81 lb		
KET-1535UE	150 (5.90) X350 (13.7)	150 (5.90)	350 (13.7)	296 (11.6)											482 (18.9)			0.22A	41kg/ 90 lb		
KET-1545UE	150 (5.90) X450 (17.7)		450 (17.7)	408 (16.0)											582 (22.9)			0.29A	51kg/112 lb		
KET-2050UE	200 (7.87) X500 (19.6)	200 (7.87)	500 (19.6)	464 (18.2)			120 (4.72)	59 (2.32)		16 (0.62)	120 (4.72)	20 (0.78)			642 (25.2)	170 (6.69)		0.34A	76kg/167 lb		
KET-2060UE	200 (7.87) X600 (23.6)		600 (23.6)	548 (21.5)											742 (29.2)			0.47A	89kg/196 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.
※The scaled ring can be used to set an angle roughly. When it is necessary to set the angle accurately, please use a Sine Bar Chuck or other suitable type.

Model KEZ-H HARD ATTRACTIVE FACE

An example of fabrication

KEZ-H1138U

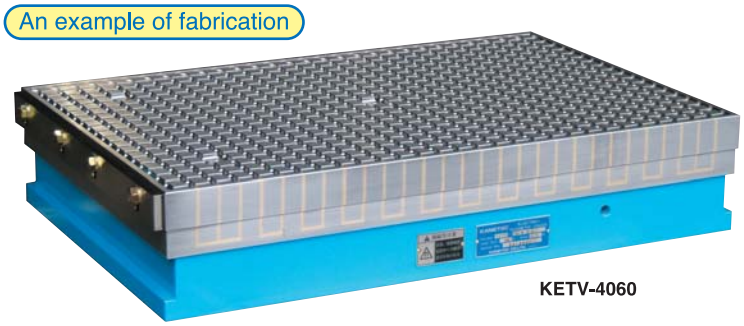
[Application]
An electromagnetic chuck with a hardened attractive face. The face plate is less susceptible to damage and the frequency of self grinding can be reduced. Also for self grinding, the grinding wheel needs not be replaced, thus shortening the setup time.

Chuck controller required additionally

※The chuck controller and clamp parts are not included.
The maximum performance can be obtained by using the chuck controller Model EH-V.

Model KETV ELECTROMAGNETIC CHUCK WITH VACUUM CHUCK

An example of fabrication



KETV-4060

[Application]
An electromagnetic chuck with a vacuum chuck function of grid seal type added. The vacuum chuck function enables it to hold nonmagnetic workpieces.

[Features]
- The vacuum chuck can be configured to a desired usage area using seal rubber.
- Since vacuum is maintained by use of seal rubber, a high degree of vacuum can be maintained even when workpieces are slightly warped.
- Usable in wet operations.

Chuck controller required additionally
Vacuum system required additionally

See "Vacuum Chucks" on pages 37 and 38 also.

※This model is manufactured to users' requirements.
Please contact us for specifications.

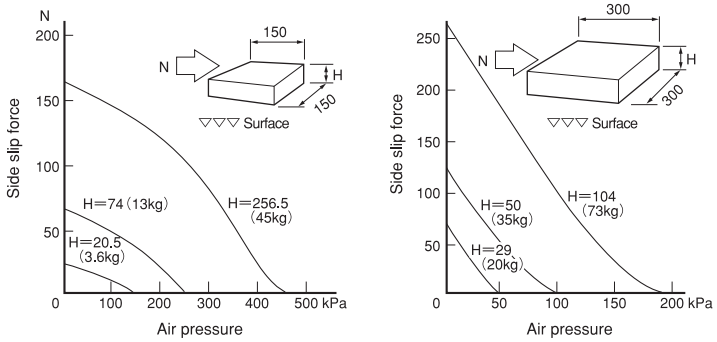
Model KETB AIRUP*

Pneumatic floating type

KETB-3060B

Control unit required additionally

〈Air pressure and side slip force〉

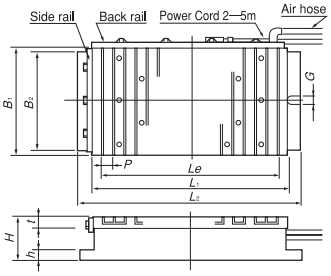


[Application]

Air is jetted through air holes provided on the chuck work face to float a workpiece for easy positioning, mounting and dismounting and movement. The chucks can be air cooled by adding a cooling device. This model is for grinding, but a model for cutting is also available upon request.

[Features]

- Workpieces having strong residual holding power can be separated and floated by the pressure of a small amount of air for easy removal.
- The optimum floating condition can be adjusted according to the materials, sizes and shapes of workpieces by increasing/decreasing the air pressure supplied from the control unit.
- As a small amount of air is constantly jetted through air holes during grinding, intrusion of grinding fluid and ground powder can be prevented.
- The air circuit in the chuck has a construction specially developed by Kanetec to minimize clog.
- The control unit is an easy-to-operate special unit incorporating an air regulator, rectifier and demagnetizer.

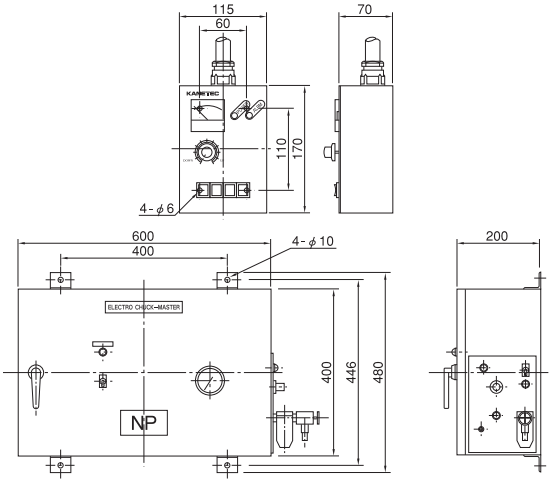


[mm (in)]

Model	Nominal Dimensions	Top Plate B_1	Top Plate L_1	Top Plate t	Top Plate Le	Pole Pitch P	Bottom Plate B_2	Bottom Plate L_2	Bottom Plate h	Height H	Hole G	Voltage	Current	Power Cord	Mass	Control Unit	Remarks
KETB- 2050B	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)	42 (1.65)	464 (18.2)	14 (2+12) (0.55)	194 (7.63)	544 (21.4)	18 (0.70)	92 (3.62)	14	90 VDC	0.34A	3m (118)	64kg/ 141 lb	ES-VB305A	The control unit incorporates an air regulator, rectifier and demagnetizer.
KETB- 2060B	200 (7.87) × 600 (23.6)		600 (23.6)		548 (21.5)			600 (23.6)			Clamping (no hole)		0.47A		77kg/ 169 lb		
KETB- 2550B	250 (9.84) × 500 (19.6)	250 (9.84)	500 (19.6)		451 (17.7)	19.5 (2.5+17) (0.76)	244 (9.60)	500 (19.6)	20 (0.78)	97 (3.81)			0.56A		84kg/ 185 lb		
KETB- 3060B	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)		529 (20.8)		290 (11.4)	600 (23.6)					1.06A		121kg/ 266 lb		
KETB- 4050B	400 (15.7) × 500 (19.6)	400 (15.7)	500 (19.6)		451 (17.7)		390 (15.3)	500 (19.6)		102 (4.01)			0.96A		141kg/ 310 lb		
KETB- 4060B	400 (15.7) × 600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)					1.09A		169kg/ 372 lb		
KETB-40100B	400 (15.7) ×1000 (39.4)		1000 (39.4)		958 (37.7)			1000 (39.4)					1.74A	5m (196)	281kg/ 619 lb		
KETB- 5050B	500 (19.6) × 500 (19.6)	500 (19.6)	500 (19.6)		451 (17.7)		490 (19.2)	500 (19.6)					0.93A	3m (118)	175kg/ 385 lb		
KETB-50100B	500 (19.6) ×1000 (39.4)		1000 (39.4)		958 (37.7)			1000 (39.4)					1.71A	5m (196)	351kg/ 773 lb		
KETB- 6060B	600 (23.6) × 600 (23.6)	600 (23.6)	600 (23.6)		529 (20.8)		590 (23.2)	600 (23.6)					1.48A	3m (118)	253kg/ 557 lb		
KETB-60100B	600 (23.6) ×1000 (39.4)		1000 (39.3)		958 (37.7)			1000 (39.3)					3.10A	5m (196)	422kg/ 930 lb		
KETB-80100B	800 (31.5) ×1000 (39.4)	800 (31.5)					790 (31.1)						4.23A		562kg/1239 lb		

Model ES-VB CONTROL UNIT FOR AIRUP*

〈Dimensions of remote operation box〉



[Application]

This control unit is computer controlled to create the most effective demagnetizing patterns within a short period of time, thus providing the consistent demagnetizing effect constantly. The operation is quite simple. No complicated adjustment is necessary and an electric valve control circuit for floating is also incorporated. During grinding of workpieces, air at low pressure [about 20 kPa (0.2 kg/cm²)] is jetted through holes provided on the chuck work face to prevent intrusion of waste fluid/oil and fine particles. When unloading workpieces after the end of grinding, the circuit is automatically switched over to the high pressure [about 150 kPa (1.5 kg/cm²)] in response to the demagnetizing command to float workpieces.

[Features]

- The demagnetizing time is as short as 6 to 15 seconds and consistent demagnetizing effect can be obtained.
- The magnetic force can be adjusted and workpieces can be straightened also.
- The anti-noise feature ensures consistent performance in certain noisy environment.
- Incorporates a compact air unit.

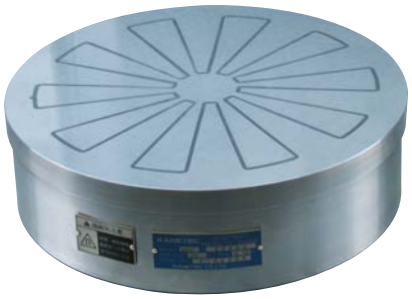
[mm (in)]

Model	Input Voltage	Output Voltage	Output Current	Dimensions W	Dimensions D	Dimensions H	Mounting W	Mounting H	Mounting Hole	Air Control Unit	Mass	Operation Box W	Operation Box D	Operation Box H
ES-VB305A	Single phase 100/200 VAC	0—90 VDC	5A	600 (23.6)	200 (7.78)	400 (15.7)	400 (15.7)	446 (17.5)	4-φ10 (φ0.39)	Built in	40kg/88 lb	115 (4.52)	70 (2.75)	170 (6.69)

※For applications where the output current more than 5 A is required, the controller and the air control unit come as specially fabricated separate units.
※The applicable air pipe diameter is φ8 or φ12. ※The output is adjusted with a variable resistor.

Model KEC-AR/AS CIRCULAR TYPE

KEC-40ARE



KEC-32ASE

[Application]

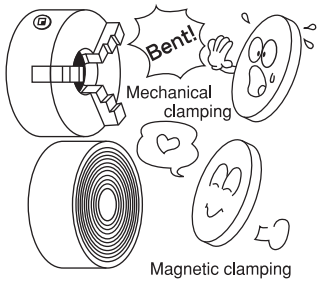
Suitable for grinding and cutting operations with the chuck mounted on such machine tools as rotary grinders, lathes, turning machines and rotary milling machines that rotate workpieces to machine. This model comes in two types; ring pole and star pole according to the patterns on the chuck work face. The ring pole type is used for general grinding operations and the star pole type for cutting operations also.

[Features]

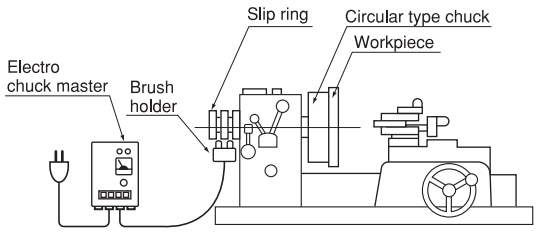
- Relatively thin workpieces that are likely to be distorted by mechanical clamping can be held by uniform holding power of the ring pole type for highly precise machining.
- For such operations as cutting thick workpieces, the star pole type is recommended that produces strong holding power.

An example of installation on a vertical grinder

Chuck controller required additionally



〈Lathe Wiring Diagram〉



Ring-Pole Type

[mm (in)]

Model	Nominal Dimensions	Top Plate D_1	Top Plate De	Top Plate de	Pole Pitch P	No. of Poles	Bottom Plate D_2	Bottom Plate K	Bottom Plate n	Bottom Plate M	Bottom Plate Dp	Height H	Voltage	Current	Mass	Electro Chuck Master	Remarks
KEC- 10ARE	100 (3.93)	100 (3.93)	75 (2.95)	29 (1.14)	10 (3+7) (0.39)	–	63 (2.48)			M 6 (0.23)	80 (3.15)		90 VDC	0.06A	4kg/ 8 lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KEC- 16ARE	160 (6.29)	160 (6.29)	135 (5.31)				125 (4.92)			M 8 (0.31)	141 (5.55)	85 (3.34)		0.29A	12kg/ 26 lb		
KEC- 20ARE	200 (7.87)	200 (7.87)	161 (6.33)	35 (1.37)	12 (3+9) (0.47)		160 (6.29)				178 (7.00)			0.26A	19kg/ 41 lb		
KEC- 25ARE	250 (9.84)	250 (9.84)	223 (8.77)	49 (1.92)			200 (7.87)		4 (0.15)		224 (8.81)	90 (3.54)		0.52A	33kg/ 72 lb		
KEC- 32ARE	315 (12.4)	315 (12.4)	271 (10.6)				250 (9.84)	4 (0.15)		M10 (0.39)	280 (11.0)			0.53A	52kg/ 114 lb		
KEC- 40ARE	400 (15.7)	400 (15.7)	367 (14.4)				315 (12.4)				355 (13.9)			1.10A	93kg/ 205 lb		
KEC- 50ARE	500 (19.6)	500 (19.6)	463 (18.2)				400 (15.7)				450 (17.7)			1.85A	130kg/ 286 lb		
KEC- 63ARE	630 (24.8)	630 (24.8)	583 (22.9)				500 (19.6)			M12 (0.47)	560 (22.0)			3.10A	190kg/ 418 lb	Above models except for the one marked by ※.	
KEC- 80ARE	800 (31.5)	800 (31.5)	748 (29.4)	70 (2.75)	14 (3+11) (0.55)		630 (24.8)		8 (0.31)		710 (27.9)	110 (4.33)		5.10A	370kg/ 815 lb	EH-VE210C	
KEC-100ARE	1000 (39.3)	1000 (39.3)	944 (37.1)				800 (31.5)			M16 (0.62)	900 (35.4)			6.55A	580kg/ 1278 lb		

Star-Pole Type

[mm (in)]

Model	Nominal Dimensions	Top Plate D_1	Top Plate De	Top Plate de	Pole Pitch P	No. of Poles	Bottom Plate D_2	Bottom Plate K	Bottom Plate n	Bottom Plate M	Bottom Plate Dp	Height H	Voltage	Current	Mass	Electro Chuck Master	Remarks
KEC- 10ASE	100 (3.93)	100 (3.93)	75 (2.95)	29 (1.14)	–	8	63 (2.48)			M 6 (0.23)	80 (3.15)		90 VDC	0.04A	4.2kg/ 9 lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KEC- 16ASE	160 (6.29)	160 (6.29)	135 (5.31)				125 (4.92)			M 8 (0.31)	140 (5.51)	85 (3.34)		0.08A	12kg/ 26 lb		
KEC- 20ASE	200 (7.87)	200 (7.87)	161 (6.33)	40 (1.57)			160 (6.29)				178 (7.00)			0.13A	19kg/ 41 lb		
KEC- 25ASE	250 (9.84)	250 (9.84)	223 (8.77)	49 (1.92)			200 (7.87)		4 (0.15)		224 (8.81)	90 (3.54)		0.40A	33kg/ 72 lb		
KEC- 32ASE	315 (12.4)	315 (12.4)	271 (10.6)			10	250 (9.84)	4 (0.15)		M10 (0.39)	280 (11.0)			0.44A	52kg/ 114 lb		
KEC- 40ASE	400 (15.7)	400 (15.7)	367 (14.4)				315 (12.4)				355 (13.9)			0.68A	93kg/ 205 lb		
KEC- 50ASE	500 (19.6)	500 (19.6)	463 (18.2)				400 (15.7)				450 (17.7)			1.00A	145kg/ 319 lb		
KEC- 63ASE	630 (24.8)	630 (24.8)	583 (22.9)				500 (19.6)			M12 (0.47)	560 (22.0)			1.28A	190kg/ 418 lb		
KEC- 80ASE	800 (31.5)	800 (31.5)	748 (29.4)	70 (2.75)		12	630 (24.8)		8 (0.31)		710 (27.9)	110 (4.33)		1.88A	370kg/ 815 lb		
KEC-100ASE	1000 (39.3)	1000 (39.3)	944 (37.1)				800 (31.5)			M16 (0.62)	900 (35.4)			3.92A	580kg/ 1278 lb	Above models except for the one marked by ※.	

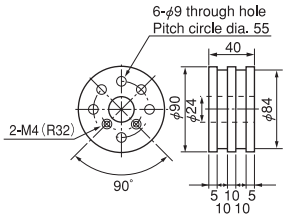
※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

■Feeder (optional)

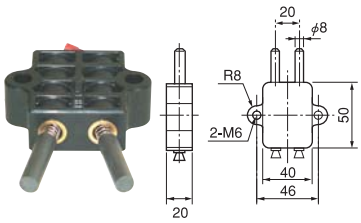
This feeder is required to use the circular type electromagnetic chucks. Because the chuck itself is rotated, the feeder cables cannot be connected directly. For this reason, electricity is fed via a slip contact between the carbon brush on the power source side and the slip ring attached to the chuck.

●The ϕ24 mounting hole of the slip ring (SR-1) can be expanded up to ϕ40.

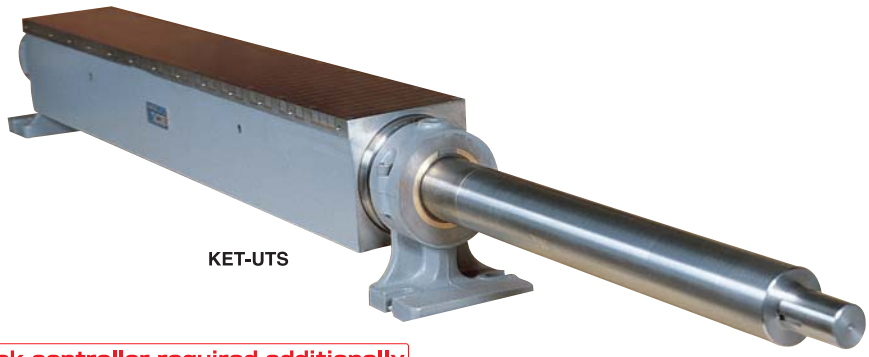
Slip ring Model SR-1



Brush holder Model BH-1A



Model KET-UTS LARGE CONNECTING ROTARY TYPE

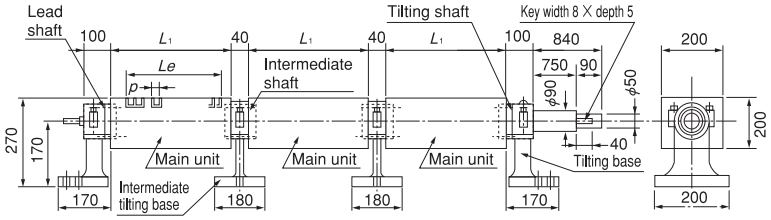


KET-UTS

Intermediate tilting base

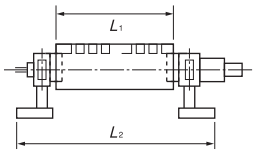
Chuck controller required additionally

Fig. 1



(The above figure shows 3 standard units connected.)

Fig. 2



[Application]

This model is used with grinders of wood slice cutters and most suitable for angle grinding of edges. It can also be applied to uniform grinding in the longitudinal direction.

[Features]

●As a connecting type, this model consists of a main unit, lead shaft, intermediate shaft, tilting shaft, tilting base and intermediate tilting base. When one unit is used, it is used as shown in Fig. 2 and when three units are used, they are connected as shown in Fig. 1.

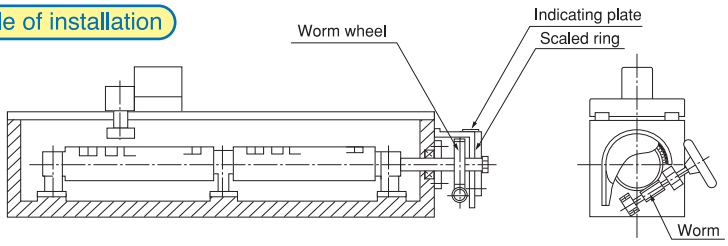
●As the tilting torque is large, the shaft has been made long to increase the reduction ratio on your machine side. (The scaled ring and tilting device are not included. Provide them on your machine side.)

●The chuck-to-chuck connecting clearance is as small as 40 mm.

〈When ordering〉

If you want to connect units as shown in Fig. 1, please order the number of main units to be connected.

An example of installation



[mm (in)]

Model	Nominal Dimensions	Top Plate L_1	Top Plate Le	Pole Pitch P	Length L_2	Voltage	Current	Mass	Electro Chuck Master	Remarks
KET-20100UTS	200 (7.87) ×1000 (39.3)	1000 (39.3)	920 (36.2)	28 (4+24) (1.10) ※Pitch varies according to places.	1340 (52.7)	90 VDC	0.72A	Approx.305kg/ 672 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KET-20120UTS	200 (7.87) ×1200 (47.2)	1200 (47.2)	1120 (44.0)		1540 (60.6)		0.90A	Approx.355kg/ 782 lb		
KET-20140UTS	200 (7.87) ×1400 (55.1)	1400 (55.1)	1320 (51.9)		1740 (68.5)		1.00A	Approx.400kg/ 881 lb		
KET-20150UTS	200 (7.87) ×1500 (59.0)	1500 (59.0)	1420 (55.9)		1840 (72.4)		1.25A	Approx.430kg/ 948 lb		
KET-20160UTJS	200 (7.87) ×1600 (62.9)	1600 (62.9)	1520 (59.8)		1940 (76.3)		1.35A	Approx.445kg/ 981 lb		
KET-20170UTJS	200 (7.87) ×1700 (66.9)	1700 (66.9)	1620 (63.7)		2040 (80.3)		1.33A	Approx.465kg/1025 lb		

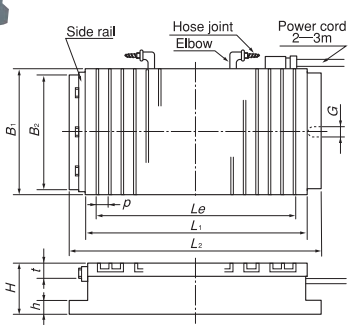
※The chuck controllers in this table are for single unit and when two or more units are connected, use "current x number of units connected" to select a suitable model.
※If the magnetic force needs not be adjusted, use ES-M. ※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.
※The above models include the main unit, right/left tilting bases, lead shaft and tilting shaft.

Model KCT WATER-COOLING RECTANGULAR TYPE

Chuck controller required additionally

No heat generated

KCT-4060B



[Application]

Suitable for high precision grinding during which no heat must be generated when the power is on.

[Features]

- A special construction to cool the electromagnetic coil directly.
- A unique construction; accuracy change is very small and temperature rise is minimized by using both cooling water flowing inside the chuck and grinding fluid sprayed to the top surface. This design minimizes thermal expansion of the chuck due to temperature rise.
- Cooling water flows through the internal coils in the chuck, a proven Kanetec original design.
- Most suitable for dry grinding operations as heat of workpieces is also removed.

[mm (in)]

Model	Nominal Dimension	Top Plate B1	Top Plate L1	Top Plate t	Top Plate Le	Pole Pitch P	Bottom Plate B2	Bottom Plate L2	Bottom Plate h	Height H	Hole G	Hose Coupling	Voltage	Current	Power Cord	Mass	Electro Chuck Master	Remarks
KCT-1025E	100 (3.93) ×250 (9.84)	100 (3.93)	250 (9.84)	21 (0.82)	211 (8.30)	14 (2+12) (0.55)	96 (3.78)	294 (11.5)	25 (0.98)	85 (3.34)	10 (0.39)	ϕ8 (0.31)	90 VDC	0.16A	2m (78.7)	15kg/ 33 lb	ES-M103B	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KCT-1325E	125 (4.92) ×250 (9.84)	125 (4.92)			212 (8.34)		119 (4.68)				14 (0.55)			0.19A		19kg/ 41 lb		
KCT-1530E	150 (5.90) ×300 (11.8)	150 (5.90)	300 (11.8)		240 (9.44)		144 (5.66)	344 (13.5)						0.20A		26kg/ 57 lb		
KCT-1535E	150 (5.90) ×350 (13.7)		350 (13.7)		296 (11.6)			394 (15.5)						0.22A		31kg/ 68 lb		
KCT-1545E	150 (5.90) ×450 (17.7)		450 (17.7)		408 (16.0)			494 (19.4)						0.29A		39kg/ 85 lb		
KCT-2040E	200 (7.87) ×400 (15.7)	200 (7.87)	400 (15.7)		352 (13.8)		194 (7.63)	444 (17.4)						0.43A		46kg/101 lb	ES-M103B	
KCT-2050E	200 (7.87) ×500 (19.6)		500 (19.6)		464 (18.2)			544 (21.4)						0.34A	3m (118)	57kg/125 lb	ES-M305B	
KCT-2060E	200 (7.87) ×600 (23.6)		600 (23.6)		548 (21.5)			600 (23.6)			Clamping (no hole)			0.47A		66kg/145 lb	EH-V105C	
KCT-2550E	250 (9.84) ×500 (19.6)	250 (9.84)	500 (19.6)		451 (17.7)		240 (9.44)	500 (19.6)		95 (3.74)				0.56A		80kg/176 lb	EH-V205C	
KCT-2560E	250 (9.84) ×600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)						0.72A		97kg/213 lb	EH-VE105C	
KCT-3050E	300 (11.8) ×500 (19.6)	300 (11.8)	500 (19.6)		451 (17.7)		290 (11.4)	500 (19.6)						0.68A		93kg/205 lb	EH-VE205C	
KCT-3060E	300 (11.8) ×600 (23.6)		600 (23.6)	25 (0.98)	529 (20.8)	19.5 (2.5+17) (0.76)		600 (23.6)						1.06A		112kg/247 lb		
KCT-4050B	400 (15.7) ×500 (19.6)	400 (15.7)	500 (19.6)		451 (17.7)		390 (15.3)	500 (19.6)		100 (3.93)		ϕ12 (0.47)		0.96A		132kg/291 lb		
KCT-4060B	400 (15.7) ×600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)						1.09A		159kg/350 lb		
KCT-5050B	500 (19.6) ×500 (19.6)	500 (19.6)	500 (19.6)		451 (17.7)		490 (19.2)	500 (19.6)						0.93A		167kg/368 lb		
KCT-5060B	500 (19.6) ×600 (23.6)		600 (23.6)		529 (20.8)			600 (23.6)						1.06A		204kg/449 lb		

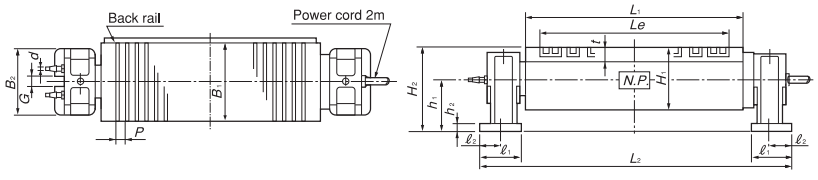
※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M. ※A cooler unit is required additionally. Not supplied by KANETEC
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used. ※Only the side stopper is included. (The back stopper is not included.)

Model KCT-U WATER-COOLING ROTARY TYPE

No heat generated

KCT-1530UE

Chuck controller required additionally



[Application]

Since no heat is generated when the power is on, this model is suitable for high precision angle grinding.

[Features]

- Cooling water flows through the internal coils in the chuck, a proven Kanetec original design.
- Since the cooling hose is connected to the shaft, a desired tilting range can be set.
- The hose does not become an obstacle regardless of tilting angles of the work face. Grinding at a tilted angle can be carried out without paying attention to the hose location.
- Cooling water is let flow inside the chuck to cool the coil directly and grinding fluid cools the top surface. This design minimizes temperature rise, thus minimizing accuracy change of the chuck.

[mm (in)]

Model	Nominal Dimensions	Top Plate B1	Top Plate L1	Top Plate Le	Top Plate H1	Pole Pitch P	Rotary Base B2	Rotary Base ℓ1	Rotary Base ℓ2	Rotary Base G	Rotary Base h1	Rotary Base h2	Rotary Base a1	Rotary Base a2	Length L2	Height H2	Voltage	Current	Mass	Electro Chuck Master	Remarks
KCT-1025UE	100 (3.93) ×250 (9.84)	100 (3.93)	250 (9.84)	211 (8.30)	100 (3.93)	11 (2+9) (0.43)	100 (3.93)	50 (1.96)	29 (1.14)	14 (0.55)	80 (3.15)	15 (0.59)	5 (0.19)	13 (0.51)	368 (14.4)	130 (5.11)	90 VDC	0.16A	21kg/ 46 lb	ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KCT-1030UE	100 (3.93) ×300 (11.8)		300 (11.8)	255 (10.0)											418 (16.4)			0.21A	25kg/ 55 lb		
KCT-1040UE	100 (3.93) ×400 (15.7)		400 (15.7)	365 (14.3)											518 (20.3)			0.26A	30kg/ 66 lb		
KCT-1230UE	120 (4.72) ×300 (11.8)	120 (4.72)	300 (11.8)	255 (10.0)											418 (16.4)	145 (5.70)		0.21A	29kg/ 64 lb		
KCT-1530UE	150 (5.90) ×300 (11.8)	150 (5.90)		240 (9.44)		14 (2+12) (0.55)					95 (3.74)							0.20A	37kg/ 81 lb		
KCT-1535UE	150 (5.90) ×350 (13.7)		350 (13.7)	296 (11.6)											468 (18.4)			0.22A	41kg/ 90 lb		
KCT-1545UE	150 (5.90) ×450 (17.7)		450 (17.7)	408 (16.0)											568 (22.3)			0.29A	51kg/112 lb		
KCT-2050UE	200 (7.87) ×500 (19.6)	200 (7.87)	500 (19.6)	464 (18.2)							120 (4.72)				618 (24.3)	170 (6.69)		0.34A	76kg/167 lb		
KCT-2060UE	200 (7.87) ×600 (23.6)		600 (23.6)	548 (21.5)											728 (28.6)			0.47A	89kg/196 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M. ※A cooler unit is required additionally.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

Model KCC-AR WATER-COOLING CIRCULAR TYPE

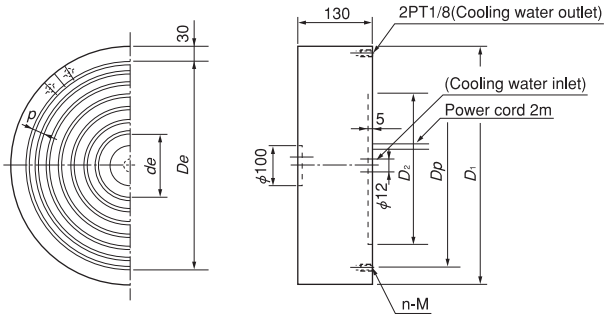
No heat generated

KCC-35AR

Chuck controller required additionally

[Application]
Suitable for grinding by rotary grinders.

[Features]
- Very little accuracy change. Kanetec's unique cooling mechanism minimizes temperature rise. Deformation of the chuck is minimized, thus making is most suitable for high precision grinding operations.



[mm (in)]

Model	Nominal Dimension	Top Plate			Pole Pitch	Bottom Plate				Height	Voltage	Current	Mass	Electro Chuck Master	Remarks
		D_1	De	de	P	D_2	Dp	M	n						
KCC-35AR	350 (13.7)	350 (13.7)	316 (12.4)	145 (5.70)	14 (3+11) (0.55)	200 (7.87)	250 (9.87)	M10 (0.39)	4 pcs	130 (5.11)	90 VDC	0.75A	82kg/ 180 lb	※ES-M103B ES-M305B EH-V105C EH-V205C EH-VE105C EH-VE205C	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P16—P20
KCC-40AR	400 (15.7)	400 (15.7)	341 (13.4)	139 (5.47)		250 (9.87)	300 (11.8)					1.00A	108kg/238 lb		
KCC-50AR	500 (19.6)	500 (19.6)	441 (17.3)	183 (7.20)		350 (13.7)	400 (15.7)	M12 (0.47)				1.70A	168kg/370 lb		
KCC-60AR	600 (23.6)	600 (23.6)	541 (21.3)	171 (6.73)		450 (17.7)	500 (19.6)					2.30A	250kg/551 lb		
KCC-70AR	700 (27.5)	700 (27.5)	641 (25.2)	159 (6.26)		550 (21.6)	600 (23.6)		8 pcs			3.20A	330kg/727 lb	Above models except for the one marked by ※.	
KCC-80AR	800 (31.5)	800 (31.5)	741 (29.1)	147 (5.78)		650 (25.5)	700 (27.5)					3.90A	430kg/948 lb		

※Full-function chuck masters are available with both rectification and demagnetization functions. ※If the magnetic force needs not be adjusted, use ES-M. ※A cooler unit is required additionally.
※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

Model LCU COOLER UNIT

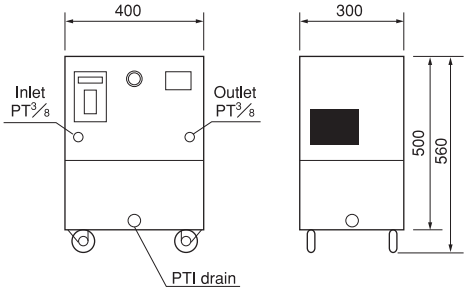
Cooling water radiation and circulation unit

LCU-2

〈Flow adjust cock〉

[Application]
An air cooler unit to cool and circulate coolant in cooling type chucks.

[Features]
- The flow rate can be adjusted with a valve.
- Simple and compact for easy installation.
- Synchronized with room temperature by an air cooled oil cooler.



[mm (in)]

Model	Discharge Amount	Overall Head	Power Source	Power	Dimensions	Tank Capacity	Mass	Accessories
LCU-2	10L/min	2m (78.7)	Single phase 100 VAC (50/60Hz)	70W	300 (11.8) ×400 (15.7) ×560 (22.0)	20L	30kg/66 lb	Power cable 3m (118)

※The recommended coolant is automotive long life coolant.
※The electromagnetic chucks to use must be those that consume less than 300 W (90V, 3.3A).

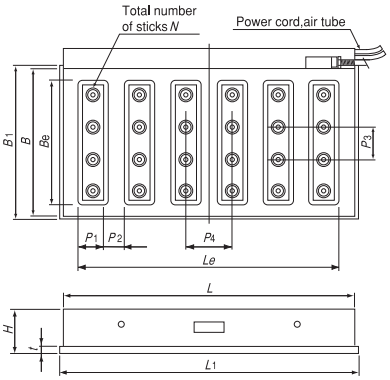
Model KEZF ACSHIM*

Holds Deformed or Distorted Steel Materials as They are.

The operation of sticks arranged at uniform pitches on the attractive face holds distorted or deformed workpieces as they are. The holding operation is automatically controlled from the controller through pushbutton operation.

KEZF-4080A

Chuck controller required additionally



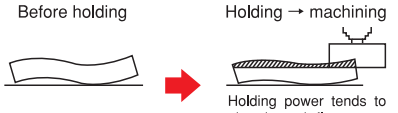
[Application]

These chucks improve the machining accuracy in such areas as milling mold bases. Workpieces can be set in place quickly by the sticks arranged at uniform pitches.

[Features]

- The grinding time in flat precision grinding can be reduced by 30%.
- The number of processes to turn over workpieces in machining can be reduced from three to four processes to two processes.
- The effect of sticks eliminates the need of skills to achieve highly precise machining.

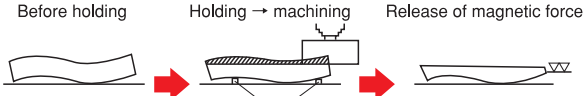
Normal electromagnetic chuck



Holding power tends to absorb and flatten out distortion of workpiece.

After machining is complete and released by the chuck, the absorbed distortion of workpieces returns rendering more machining to remove the original distortion.

ASCHIM



Sticks operate to maintain distortion of workpiece. so it can be machined flat

An example of large type is shown on page 4.

[mm (in)]

Model	Nominal Dimensions	Top Plate B	Top Plate L	Top Plate Le	Top Plate Be	Pole Pitch P1	Pole Pitch P2	No.of Poles	Bottom Plate B1	Bottom Plate L1	Bottom Plate t	Height H	Stick Position P3	Stick Position P4	Total Number of Stick N	Mass	Dedicated Chuck Master
KEZF- 3060A	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	514 (20.2)	248 (9.76)	62 (2.44)	48 (1.89)	5	310 (12.2)	620 (24.4)	20 (0.78)	117 (4.60)	82 (3.22)	110 (4.33)	15	140kg/ 308 lb	ES-VF205A
KEZF- 4080A	400 (15.7) × 800 (31.5)	400 (15.7)	800 (31.5)	719 (28.3)	330 (12.9)	72 (2.83)	43 (1.69)	6	410 (16.1)	820 (32.2)			87 (3.42)	127 (5.00)	24	250kg/ 551 lb	
KEZF-50100A	500 (19.6) ×1000 (39.3)	500 (19.6)	1000 (39.3)	917 (36.1)	430 (16.9)	65 (2.55)		8	510 (20.0)	1020 (40.1)	25 (0.98)	122 (4.80)	90 (3.54)	120 (4.72)	40	400kg/ 881 lb	
KEZF-60100A	600 (23.6) ×1000 (39.3)	600 (23.6)			521 (20.5)				610 (24.0)				87 (3.42)		48	480kg/1058 lb	

※The holding power is 3 kN (300 kgf) on a □50 x t25 mm S15C test piece. ※The condition of use is dry machining only. ※The power cord and air tube are 5 m.
※The sticks move up about 2 mm above the work face. ※The minimum thickness of workpieces is 15 mm.
※The machining accuracy varies according to shapes, thickness, warp, materials and machining conditions of workpieces. In particular, workpieces less than 25 mm thick need to be tested in advance.

Model ES-VF CONTROL UNIT FOR ACSHIM*

〈Control box〉 ES-VF205A

[Application]

This is a special unit equipped with such functions as supplying electric power and air to the ACSHIM and controlling its motion.

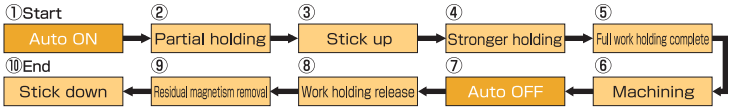
[Features]

- Either the auto mode or the normal (manual) mode can be selected.
- It is possible to adjust the stick rising pressure and the magnetic force at a weak excitation stage corresponding to that pressure according to the rigidity of workpieces in advance.

Operation Modes

Auto mode

Only by pressing the auto mode switch on the control box panel, a combined operation of electricity and air automatically proceeds according to the preset sequence.



Normal mode

Machining using only the holding power of the magnetic poles is also possible by operation from the control box panel in the normal mode.

[mm (in)]

Model	Power Source	Output Auto Mode	Output Normal Mode	Current	Air Source	Output Air	Dimensions Width	Dimensions Height	Dimensions Depth	Mass	Operation Box Width	Operation Box Height	Operation Box Depth	Operation Box Mass
ES-VF205A	Single-phase 200 VAC	90 VDC	0—90 VDC	5A	600kPa (6kgf/cm²)	0—600kPa	500 (100) 19.6 (3.93)	550 (21.6)	200 (7.87)	18kg/39 lb	100 (3.93)	155 (6.10)	70 (2.75)	1kg/2 lb