

MAGNETIC HOLDERS

Model KE-K RECTANGULAR THIN ELECTROMAGNETIC HOLDER

Rectifier required additionally

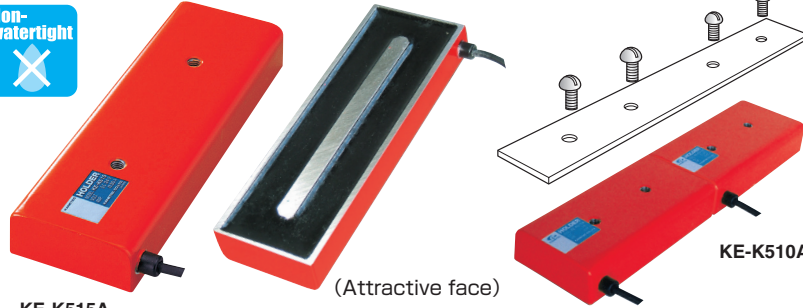
An example of coupling

[Application]

Suitable for automated processing systems where workpieces are lifted and moved/transported by limited strokes in a space the vertical distance of which is short. These holders are suitable for a wide range of operations such as feeding materials on automatic press machines, preventing deflection of shearing materials, various automatic processes and hands of industrial robots.

[Features]

- Usable continuously.
- As thin as 15 mm to 20 mm, yet powerful magnetic force.



KE-K515A

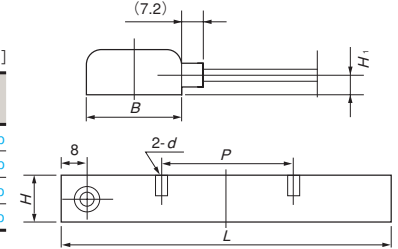
(Attractive face)

KE-K510A

[mm (in)]

Model	Dimensions						Max. Holding Power	Voltage	Current	Working Rate	Applicable Rectifier	Mass
	B	H	H ₁	L	P	d						
KE-K310A	30 (1.18)	15 (0.59)	6.5 (0.25)	100 (3.93)	40 (1.57)	M4 (0.15)	70N (7kgf)	24 VDC	0.11A	100% ED	KR-T101A-6/24	0.2 kg/0.44 lb
KE-K315A				150 (5.90)	70 (2.75)	Depth 6 (0.23)	100N (10kgf)		0.20A		RH-M303A-6/24, -C1, -C2	0.3 kg/0.66 lb
KE-K510A	50 (1.96)	20 (0.78)	9.0 (0.35)	100 (3.93)	40 (1.57)	M6 (0.23)	180N (18kgf)		0.17A	100% ED	RH-M105B-24	0.45kg/0.99 lb
KE-K515A				150 (3.93)	70 (2.75)	Depth 8 (0.31)	260N (26kgf)		0.30A		P79, P80	0.65kg/1.43 lb

※The max. holding power is based on a test piece of 12 mm thick steel plate. ※Cord length 0.3 m

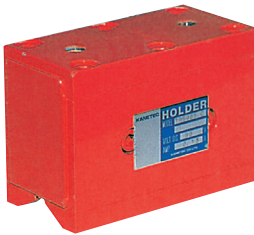


Model KE-V V-TYPE ELECTROMAGNETIC HOLDER

Rectifier required additionally

[Application]

The V-shaped attractive face makes these holders suitable for automatic unloading, transferring and feeding thin sheets, round bars, irregularly shaped workpieces (doughnut-shaped workpieces, etc.) and pipes.

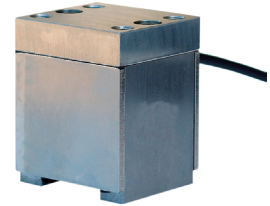
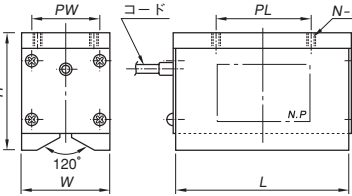


KE-V515



Precautions for use

Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically.



An example of special construction designed for small ring-shaped workpieces (Attractive face □ shaped)

Model	Dimensions						Max. Holding Power [N(kgf)]				Applicable Round Bar Dia.	Voltage	Current	Working Rate	Applicable Rectifier	Mass		
	W	H	L	PW	PL	N	M	φ10	φ30	φ50							φ80	Flat plate
KE-V306	30	50	60 (2.36)		30 (1.18)		M6 (0.23)	150 (15)	250 (25)			300 (30)	φ10 (0.39) - φ30 (1.18)	24 VDC	0.23A	100% ED	RH-M303A-6/24, -C1, -C2	0.6kg/1.32 lb
KE-V309			90 (3.54)		50 (1.96)		Depth 10 (0.39)	170 (17)	500 (50)			800 (80)						0.32A
KE-V312			120 (4.72)		70 (2.75)	2		200 (20)	750 (75)			1300 (130)		0.44A			KR-T101A-6/24	1.1kg/2.42 lb
KE-V510			100 (3.93)				M8 (0.31)		800 (80)	1200 (120)		1800 (180)	φ26 (1.02) - φ50 (1.96)	90 VDC	0.14A	100% ED	RH-M102C	2.2kg/4.85 lb
KE-V515	50	70	150 (5.90)		80 (3.15)		Depth 10 (0.39)	1300 (130)	2200 (220)			3200 (320)						0.2A
KE-V520			200 (7.87)		80 (3.15) + 80 (3.15)	3		1800 (180)	3200 (320)			4500 (450)		0.27A			RH-M205B	4.0kg/8.80 lb
KE-V815			150 (5.90)				M8 (0.31)		1600 (160)	2000 (200)	4000 (400)		φ40 (1.57) - φ80 (3.15)	90 VDC	0.37A	100% ED	KR-N101A	6.5kg/14.3 lb
KE-V823	75	100	225 (8.85)	50	80 (3.15)	4	Depth 12 (0.47)	3000 (300)	4000 (400)	7000 (700)								0.66A
KE-V830			300 (11.8)		80 (3.15) + 80 (3.15)	6		4500 (450)	6000 (600)	10000 (1000)				0.75A				13kg/28.6 lb

※Cord length 0.3 m. ※The max. holding power on round steel bars is based on cold finished steel bars held on the whole area.

※The max. holding power on flat steel plates is based on a test piece of SS400, 50 mm thick, ground surface held on the whole face.

Model KE-M ROD TYPE ELECTROMAGNETIC HOLDER

Rectifier required additionally

[Application]

Mainly suitable for automatic transfer and feeding of irregular-shaped parts such as castings in the automotive industry.

[Features]

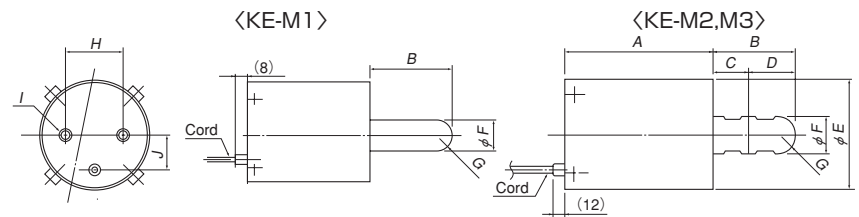
These holders have a single long pole enabling it to lift parts that are randomly placed in buckets one by one by adjusting the voltage with the rectifier.



KE-M2



Precautions for use
Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically.



Model	Dimensions										Max. Holding Power	Voltage	Current	Working Rate	Applicable Rectifier	Mass	
	A	B	C	D	E	F	G	H	I	J							
KE-M1	60 (2.36)	40 (1.57)	—	—	50.8 (2.00)	12 (0.47)	SR6 (0.23)	30 (1.18)	2-M6 (0.23) Depth 10 (0.39)	15 (0.59)	20N (2kgf)	90 VDC	0.12A	50% ED	RH-M102C RH-M105B RH-M205B RH-M210B KR-N101A KR-N103A	0.8kg/1.76 lb	
KE-M2	100 (3.93)	55 (2.16)	25 (0.98)	30 (1.18)	76.3 (3.00)	25 (0.98)	SR12.5 (0.49)	50 (1.96)	2-M8 (0.31) Depth 12 (0.47)	25 (0.98)	90N (9kgf)					0.33A	3.5kg/7.71 lb
KE-M3	160 (6.29)	80 (3.15)	30 (1.18)	50 (1.96)	114.3 (4.50)	35 (1.37)	SR17.5 (0.69)	80 (3.15)	2-M12 (0.47) Depth 20 (0.78)	40 (1.57)	250N (25kgf)					0.77A	10kg/22.0 lb

※50% ED (Repeating cycle of power on 5 minutes and pause 5 minutes). ※Cord length 0.3 m.

※The max. holding power is based on such usage that the tip is brought into contact with the flat surface of an SS400 block and pulled up vertically.

ELECTROMAGNETIC CHUCK CONTROLLERS; PERMANENT MAGNETIC CHUCKS; ELECTROMAGNETIC CHUCKS; BLOCKS FOR MC; VACUUM CHUCKS; PROMELTA; SINE BAR CHUCKS; BLOCKS HOLDERS; MINICHUCKS; HOLDING TOOLS; MEASURING TOOL HOLDERS; MAGNETIC HOLDERS; MAGNETIC TOOLS