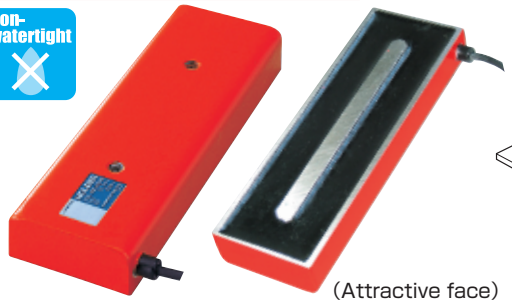
Model KE-K RECTANGULAR THIN ELECTROMAGNETIC HOLDER

Rectifier required additionally

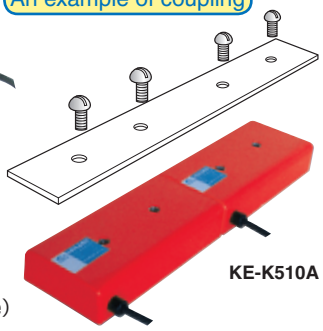
Non-watertight



KE-K515A

(Attractive face)

An example of coupling



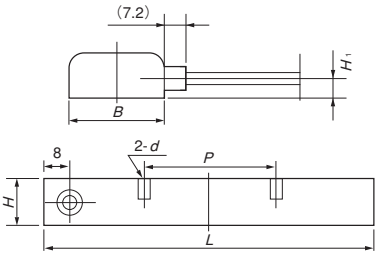
KE-K510A

[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.



[mm(in)]

Model	Dimensions B	H	H1	L	P	d	Max. Holding Power	Voltage	Current	Working Rate	Applicable Rectifier	Mass
KE-K310A	30 (1.18)	15 (0.59)	6.5 (0.25)	100 (3.93)	40 (1.57)	M4 (0.15) Depth 6 (0.23)	70N (7kgf)	24 VDC	0.11A	100% ED	KR-T101A-6/24 RH-M303A-6/24、-C1、-C2 RH-M105B-24 P77,P78	0.2 kg/0.44 lb
KE-K315A				150 (5.90)	70 (2.75)		100N (10kgf)		0.20A			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) Depth 8 (0.31)	180N (18kgf)		0.17A			0.45kg/0.99 lb
KE-K515A				150 (3.93)	70 (2.75)		260N (26kgf)		0.30A			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

Non-watertight

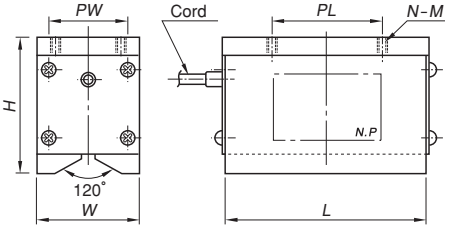
KE-V515

[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.

Precautions for use

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



[mm(in)]

Model	Dimensions W	H	L	PW	PL	N	M	Max.Holding Power [N(kgf)] φ10	φ30	φ50	φ80	Flat plate	Applicable Round Bar Dia.	Voltage	Current	Working Rate	Applicable Rectifier	Mass
KE-V306	30 (1.18)	50 (1.96)	60 (2.36)	–	30 (1.18)	2	M6 (0.23) Depth 10 (0.39)	150(15)	250(25)	–	–	300(30)	φ10 (0.39) – φ30 (1.18)	24 VDC	0.23A	100% ED	RH-M303A-6/24、-C1、-C2 RH-M105B-24 KR-T101A-6/24	0.6kg/1.32 lb
KE-V309			90 (3.54)		50 (1.96)			170(17)	500(50)			800(80)			0.32A			0.9kg/1.98 lb
KE-V312			120 (4.72)		70 (2.75)			200(20)	750(75)			1300(130)			0.44A			1.1kg/2.42 lb
KE-V510	50 (1.96)	70 (2.75)	100 (3.93)		80 (3.15)		M8 (0.31) Depth 10 (0.39)	–	800(80)	1200(120)	–	1800(180)	φ26 (1.02) – φ50 (1.96)	90 VDC	0.14A		RH-M102C RH-M105B RH-M205B RH-M210B KR-N101A KR-N103A P77.P78	2.2kg/4.85 lb
KE-V515			150 (5.90)						1300(130)	2200(220)		3200(320)			0.2A			3.0kg/6.61 lb
KE-V520			200 (7.87)		80 (3.15)+80 (3.15)	3			1800(180)	3200(320)		4500(450)			0.27A			4.0kg/8.80 lb
KE-V815	75 (2.95)	100 (3.93)	150 (5.90)	50 (1.96)	80 (3.15)	4	M8 (0.31) Depth 12 (0.47)		–	1600(160)	2000(200)	4000(400)	φ40 (1.57) – φ80 (3.15)		0.37A			6.5kg/14.3 lb
KE-V823			225 (8.85)			6				3000(300)	4000(400)	7000(700)			0.66A			10kg/22.0 lb
KE-V830			300 (11.8)		80 (3.15)+80 (3.15)					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

KE-M2

Non-watertight

Precautions for use

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

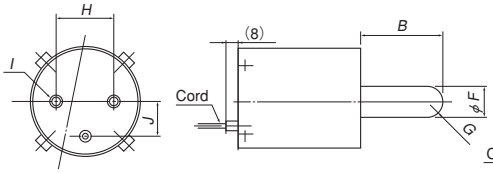
[Application]

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

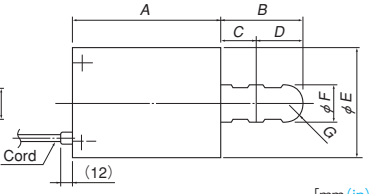
[Features]

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-M1〉



〈KE-M2,M3〉



[mm(in)]

Model	Dimensions A	B	C	D	E	F	G	H	I	J	Max. Holding Power	Voltage	Current	Working Rate	Applicable Rectifier	Mass
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 P77.P78	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.