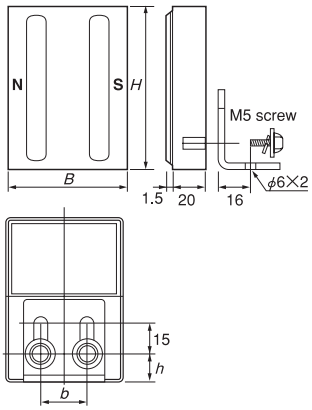
Model KF-T STEEL SHEET SEPARATOR "FLOATER" * (THIN TYPE)

Thin type



[Application]
Most suitable for installation in narrow spaces because it is thin and compact.

[Features]
- Ultra-thin type 20mm thick.
- This separator can be installed in a wide variety of locations, for example, direct installation on a wall face or installation with the L-shaped attachment.
- The installing position is vertically adjustable with the L-shaped attachment.
- One set consists of two units.

[mm (in)]

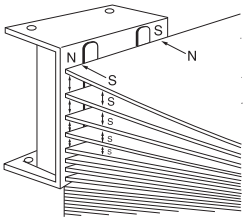
Model	Dimensions				Mass
	B	H	b	h	
KF-T5A	62 (2.44)	87 (3.42)	25 (0.98)	13.5 (0.53)	0.7kg/1.5 lb×2
KF-T10	102 (4.01)		50 (1.96)		1.1kg/2.4 lb×2
KF-T20		127 (5.00)			1.6kg/3.5 lb×2

■PRINCIPLE OF FLOATER

The Floater induces the same magnetic poles in stacked steel sheets to separate the sheets by the repelling force of the same poles.

■FLOATING DISTANCE

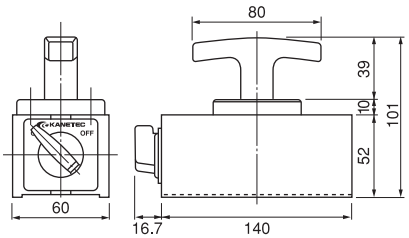
When a pair of Floaters are positioned on each side of stacked sheets on the longitudinal sides, the distance the top first sheet is floated from the second sheet is as shown in the table.
This distance applies when the Floaters are positioned 50 mm away from the edge of sheets and the initial position of the first sheet is 50 mm below the top end of the Floaters.
Note, however, if sheets are warped or oil is sticking to them, the distance will become shorter.

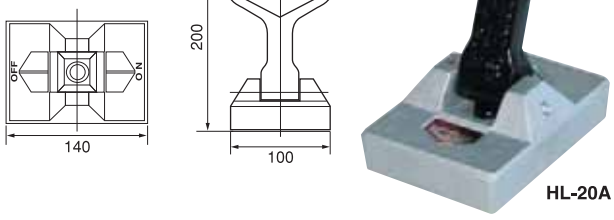


[mm (in)]

Model \ Test steel	Thickness				Size
	1.0	1.6	2.0	3.2	
KF-5B	18 (0.7)	14 (0.55)	10 (0.39)	5 (0.19)	150 (5.90) × 450 (17.7)
KF-10	14 (0.55)	12 (0.47)	6 (0.23)	—	300 (11.8) × 900 (35.4)
KF-20	26 (1.02)	17 (0.66)	9 (0.35)	—	
KF-30	33 (1.29)	26 (1.02)	18 (0.70)	7 (0.27)	
KF-40	34 (1.33)	28 (1.10)	20 (0.78)	10 (0.39)	
KF-T5A	5 (0.19)	3 (0.11)	2 (0.07)	—	80 (3.15) × 200 (7.87)
KF-T10	120 (4.72)	10 (0.39)	9 (0.35)	6 (0.23)	160 (6.29) × 300 (11.8)
KE-T20					

Model HL HAND LIFMA*





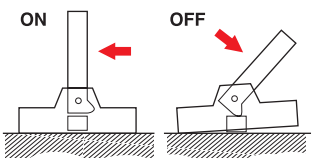
[Application]
Most suitable for pulling out steel material or steel sheet and carrying material, metal mold, press die and so on.

[Features]
- A new cam mechanism is employed so as not to apply friction due to holding and releasing directly to the surface of workpieces to transport. (HL-20A)
- Workpieces are held and released quite smoothly.
- The magnetic force can be turned on and off by lever operation. (HL-15)
- The T-handle is robust and fixed for stable workpiece transportation. (HL-15)

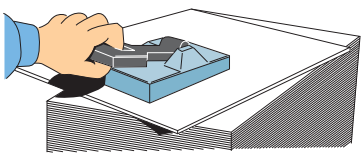
How to Use (HL-20A)

〈Holding〉
Place Hand Lifma on the carrying object with handle right up and pull it out after ensuring that it has attracted perfectly.

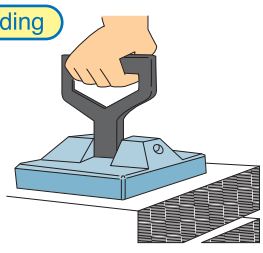
〈Releasing〉
Hand Lifma releases the carrying object when the handle is turned in the off direction.



Releasing



Holding



[mm (in)]

Model	Holding Power		Dimensions			Handle Length	Mass
	Lateral Pulling	Lifting up	Width	Length	Height		
HL-15	350N (35kgf)	1.5kN (150kgf)	60 (2.36)	120 (4.72)	52 (2.04)	49 (1.92)	3.0kg/ 6.6 lb
HL-20A	500N (50kgf)	2kN (200kgf)	100 (3.93)	140 (5.51)	32 (1.26)	200 (7.87)	2.5kg/ 5.5 lb

※The holding power applies to 15mm thick soft steel. The holding power drops according to thicknesses and materials of workpieces. For safety, please use these products at a load that is one third or less of the values indicated in the table.
※Do not employ it as a hoist.

Model SL TOUCHER

SL-1

[Application]
A simple transportation tool by use of a magnet.

[Features]
- You can easily carry workpieces which would otherwise be difficult to handle with hands due to complex shapes or high temperatures. Simply attract/remove with one-touch mechanism.
- Useful for tacking or positioning small pieces in welding operation.
- Usable for a wide range of applications.

[mm (in)]

Model	Holding Power	Dimensions			Max.Height	Mass
		Width	Length	Height		
SL-1	500N (50kgf)	50 (1.96)	92 (3.62)	32 (1.26)	122 (4.80)	1kg/2.2 lb

※The holding power is a value in a perpendicular direction on SS400, t10 steel sheet.

Model HMC MAGHAND*

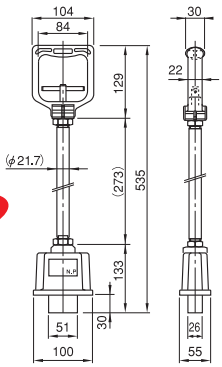
Collection of bolts, screws and nails scattered around on the floor!


HMC-75A


HMC-50A

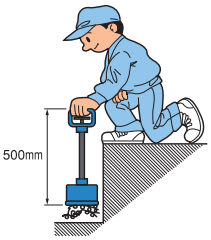

HMC-10A

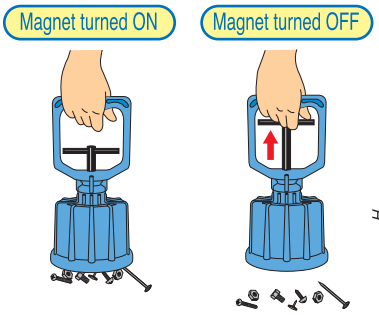
HMC-K50



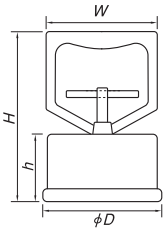

HMC-T50


HMC-T10





Attracts powerfully.
Releases by pulling up lever.



[Application]
These MAGHANDs are suitable for collecting iron pieces that are scattered around on the floor or mixed in media. Since they can also be used to remove and collect iron pieces from powder materials, they have a wide range of applications including machining, forging and food processing. They may also be useful in the household.

[Features]
- The magnetic force can be turned on and off simply by one-hand operation.
- These MAGHANDs have a powerful magnet for strong attraction and a wide attractive face.
- Model HMC-50 has a long arm to make it suitable for collecting iron pieces in pits and enclosures.
- Model HMC-T10 is very rigid as its body is cased with aluminum. (High temperature type)
- Model HMC-K50 has a square rectangler to make it best suitable for collecting chips from T grooves. It is also useful for collecting iron powder precipitated in coolant tanks as it is of simple waterproof type.

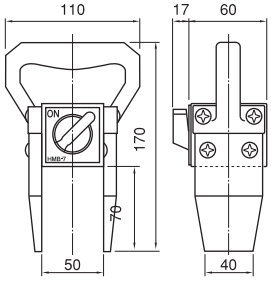
〈Specifications〉
■Attracting amount: About 0.6 kg of M10 plain washers and about 0.7 kg of M4 x 10 screws.

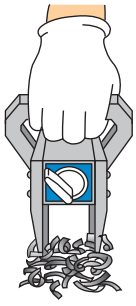
[mm (in)]

Model	Dimensions				Mass
	ϕD	H	h	W	
HMC-10A	114 (4.48)	227 (8.93)	85 (3.34)	104 (4.09)	0.9kg/1.98 lb
HMC-50A		500 (19.6)			1.5kg/3.30 lb
HMC-75A		750 (29.5)			1.8kg/3.96 lb
HMC-T10	112 (4.40)	241 (9.48)	95 (3.74)		1.2kg/2.60 lb
HMC-T50		514 (20.2)			1.5kg/3.30 lb
HMC-K50	(51 (2.00) ×26 (1.02) ×30 (1.18)) ×535 (21.0) 〈See dimension drawing〉				1.6kg/3.52 lb

Model HMB HAND MAGNET


HMB-7





〈Specifications〉
■Capacity: Milling chips about 0.2 kg.
M5 x 7 screws about 0.5 kg.

[Application]
This product is useful in wide applications such as in machine shops, casting factories, food and chemical factories, etc. for recovering iron chips, sorting materials of screws, etc., recovering chips in cast sand, etc.

[Features]
- Magnetic force is turned ON/OFF just by operating the lever lightly with a hand.
- Compact and strong holding power.

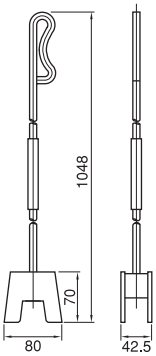
[mm (in)]

Model	Holding Power	Mass
HMB-7	250N (25kgf)	1.9kg/4.20 lb

※The holding power applies to SS400, thickness 10mm and ground surface.

The sweeper for collecting iron pieces such as nails, needles and iron wastes scattered on the floor or road.

HM-6LG



Model HM HAND MAGNET WITH GRIP

[Application]
Suitable for removing iron in liquid tanks and collecting iron pieces in small areas. This is also helpful for picking up tools that fell in a complicated machine room in ships.

[Features]
- Powerful magnetic force.
- Light weight for simple operation.
- The grip can be divided to two for easy storage.

〈Specifications〉 ■Capacity: M10 plain washers about 0.5 kg. M4 x 10 screws about 0.6 kg.

[mm (in)]

Model	Holding Power	Mass
HM-6LG	250N (25kgf)	1.5kg/3.30 lb

※The holding power applies to SS400, thickness 10mm and ground surface.

Model S MAGNETIC SWEEPER

Adopting powerful permanent magnet, you can collect iron pieces even in mud. The sweepers collect harmful iron pieces such as needles and nails to protect human body and rubber types of vehicles and are also useful for recycling purposes.

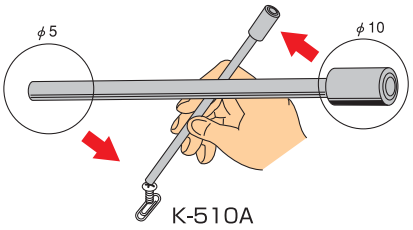
[Application]
Most suitable for collecting iron pieces from the floor in the sewing factory, machine shop or woodworking mill.
Useful for cleaning warehouse and truck terminal.
Usable for preparatory work of race track or stadium.
Suitable for constructing displays in exhibition events and cleaning floors after overhauling.

[Features]
- Powerful magnetic force.
- Recovered iron chips can easily be released by operating the lever.
- A self-standing and containing type for a small storage space.

[mm (in)]

Model	Holding Mass	Dimensions		Height	Mass
		Width	Holding Length		
S-05A	3cm (1.18) nails about 0.3 kg/0.6b	253 (9.96)	152 (5.98)	919 (36.1)	3.8kg/ 8.39 lb
S-1D	3cm (1.18) nails about 0.45kg/1.0b	461 (18.1)	362 (14.2)	1050 (41.3)	4.5kg/ 9.92 lb

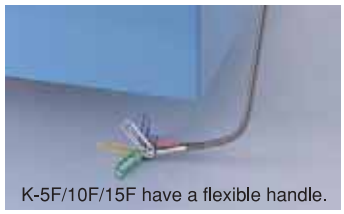
Model K MAGNETIC HOLE CLEANER



[Application]
Convenient for removing steel particles from hole and also for removing iron powder and chips after drilling or tapping operation.

[Features]
- Small diameter, but with a separator built in, this cleaner is constructed to have the magnetic pole concentrated on the same attractive face.

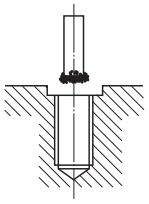
An example of usage of K-5F



K-5F/10F/15F have a flexible handle.

Removing chips.

Collecting fallen parts.



[mm (in)]

Model	Holding Mass			Dimensions	Length	Mass
		M3×6	M3 plain washer			
K-510A	ϕ 5 (0.19) side	4g/0.008 lb	3g/0.006 lb	ϕ 5 (0.19)×25 (0.98)	250 (9.84)	32g/0.070 lb
	ϕ10 (0.39) side			ϕ10 (0.39)×18 (0.70)		
K-1015A	ϕ10 (0.39) side					45g/0.098 lb
	ϕ15 (0.59) side	7g/0.015 lb	4g/0.008 lb	ϕ15 (0.59)×18 (0.70)		
K-2025A	ϕ20 (0.78) side	21g/0.046 lb	19g/0.041 lb	ϕ20 (0.78)×18 (0.70)	257 (10.1)	135g/0.297 lb
	ϕ25 (0.98) side	27g/0.059 lb	22g/0.048 lb	ϕ25 (0.98)×25 (0.98)		
K-5F		4g/0.008 lb	3g/0.006 lb	ϕ 5 (0.19)×30 (1.18)	232 (9.13)	26g/0.573 lb
K-10F				ϕ10 (0.39)×15 (0.59)	217 (8.54)	35g/0.077 lb
K-15F		7g/0.015 lb	4g/0.008 lb	ϕ15 (0.59)×15 (0.59)		46g/0.101 lb