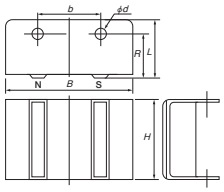
Model KF STEEL SHEET SEPARATOR "FLOATER"* (STANDARD TYPE)

Steel sheet separator

Magnetic force ON/OFF type (by electricity or air cylinder) using the standard type, which can retrieve one by one piece steel plate smoother, is also available.Please consult with us.



[Application]

Most suitable for removing iron or steel sheets one by one thereby facilitating feeding in automatic steel sheet feeding lines or for separating each iron sheet and for feeding it into a machine (for press or shearing operation).

[Features]

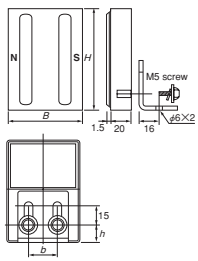
- The highest separating capacity is ensured by two rails on the magnetic polar surface.
- Not only steel sheets but also finished pressed workpieces, circular workpieces and irregular workpieces can be separated at fixed intervals by use of several separators.
- Compact type with highly efficient ferrite magnet.It can be attached easily to machines. Couple it in comformity with the size,shape and weight of the steel sheets in use.
- One set consists of two units.

[mm(in)]

Model	Dimensions				Setting Face			Mass
	B	H	L	ℓ	No. of Hole	φd	b	
KF-5B	65(2.55)	87(3.42)	55.5(21.8)	45.0(1.77)	4	8(0.31)	40(1.57)	1.0kg/2.2 lb×2
KF-10	125(4.92)		61.5(2.42)	51.5(2.02)			56(2.20)	2.0kg/4.4 lb×2
KF-20		127(5.00)				8(0.31)	80(3.15)	2.5kg/5.5 lb×2
KF-30	210(8.26)		66.5(2.61)	56.5(2.22)			150(5.90)	7.0kg/ 15 lb×2
KF-40		254(10.0)	72.0(2.83)	60.0(2.36)		1(0.43)		12.0kg/26 lb×2

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 abjustable with the L-shaped attachment.
- One set consists of two units.

[mm(in)]

Model	Dimensions				Mass
	D	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

EXAMPLE OF APPLICATION

(1) 《DELIVERY OF LARGE IRON SHEET》

Use it by standing sheets vertically against a wall, etc.

You can make good use of the separating force if the Floater is used by standing large sheets in this manner ; thereby minimizing the effect of the weight of the sheets and enhancing the separating force.

(2) 《SEPARATION OF STUCK SHEETS》

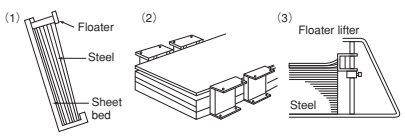
Efficient if you use several Floaters in combination.

For separation of large steel sheets or other iron sheets stuck with oil or grease,increase the number of Floaters.

(3) 《SHEETS PILED UP HIGHLY》

Use a lifter.

If steel sheets are piled up high, use a Floater on a lifter (Most adequate level of the Floater is a bit higher than the top sheet) .



■PRINCIPLE OF FLOATER

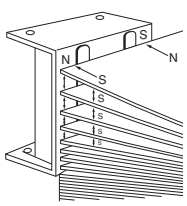
The Floater induces the same magnetic poles in stacked steel sheets to separate the sheets by the repelling force of the same poles.

■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)]

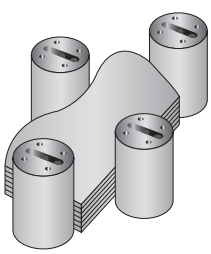
Model \ Test steel	Thickness				Size
	1.0	1.6	2.0	3.2	
KF-5B	18(0.7)	14(0.55)	10(0.39)	5(0.19)	150(5.90) × 450(17.7)
KF-10	14(0.55)	12(0.47)	6(0.23)	–	1.6kg/3.5 lb×2
KF-20	26(1.02)	17(0.66)	9(0.35)	–	
KF-30	33(1.29)	26(1.02)	18(0.70)	7(0.27)	
KF-40	34(1.33)	28(1.10)	20(0.78)	10(0.39)	
KF-T5A	5(0.19)	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)
KF-T20					

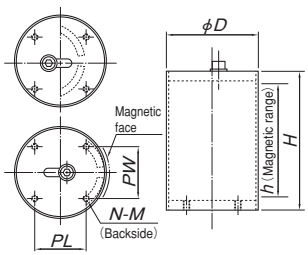
Model KF-HC POWERFUL CIRCULAR STEEL SHEET SEPARATOR "FLOATER"*

KF-HC0813

(An example of special fabrication)

An example of usage





[Application]

Used to separate irregular workpieces (steel sheets) that do not have a straight line of sufficient length.

[Features]

- The magnetic force can be adjusted by changing the location of the internal magnet.
- Small but powerful.

[mm(in)]

Model	Dimensions							Mass
	D	H	h	PL	PW	N	M	
KF-HC0813	76.3 (3.00)	130.0 (5.11)	100 (3.93)	—	60 (2.36)	2 (0.07)	M 8(0.31) Depth 10(0.39)	Approx. 2kg/ 4.4 lb
KF-HC1218	114.3 (4.50)	175.0 (6.89)	140 (5.51)	65 (2.55)	65 (2.55)	4 (0.15)	M 8(0.31) Depth 12(0.47)	Approx. 7kg/ 15.4 lb
KF-HC1424	139.8 (5.50)	235.0 (9.25)	195 (7.67)	80 (3.15)	80 (3.15)		M10(0.39) Depth 15(0.59)	Approx. 14kg/ 30.8 lb