



EMX LIFTING MAGNETS

New range of lifting magnets, for use with flat and cylindrical pieces.

Bipolar conception and great penetration power, even with large air gaps.

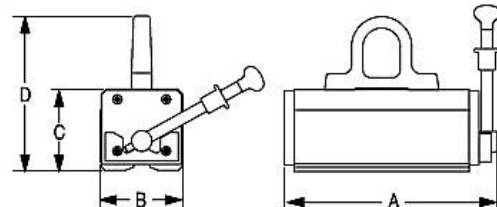
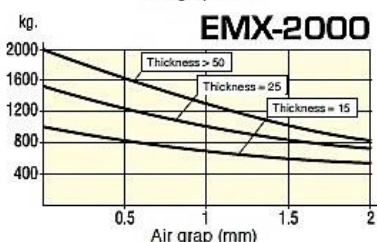
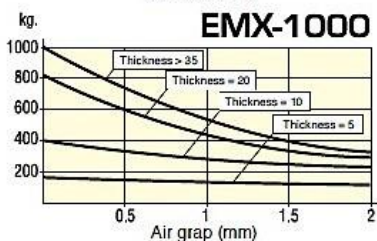
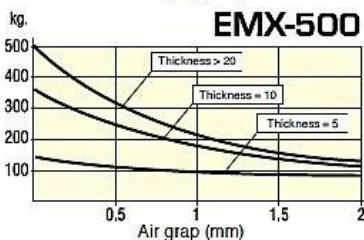
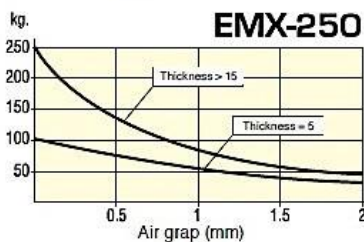
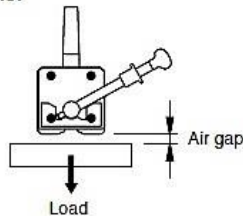
Safety blocking lever in both magnetised and demagnetised position. Designed for magnetising and demagnetising with only one hand. Smooth setback to the demagnetised position.

The safety coefficient is 3. Load detachment force is 3 times higher than the nominal force.

Easy to carry due to its low weight. Detachment force is between 70 and 115 times the weight

The possibility to grind the magnetic contact poles, enable the maintenance and avoid the power loss due to knocks.

Constructed with neodymium (NdFeB) magnets which guarantee a long life for the lifting magnets under normal working conditions.



MODEL	EMX-250	EMX-500	EMX-1000	EMX-2000
CODE	16.11.002	16.11.005	16.11.010	16.11.020
Load for flats	250 kg	500 kg	1000 kg	2000 kg
Load for rounds	100 kg	250 kg	500 kg	1000 kg
Diameter Min. / Max.	40 / 350 mm	60 / 400 mm	80 / 400 mm	150 / 500 mm
Minimum thickness of the load	15 mm	20 mm	35 mm	50 mm
Detachment force*	800 daN	1600 daN	3500 daN	6400 daN
A	188 mm	262 mm	360 mm	485 mm
B	80 mm	100 mm	140 mm	180 mm
C	75 mm	95 mm	126 mm	170 mm
D	152 mm	185 mm	216 mm	299 mm
Weight	7 Kg	16 Kg	40 Kg	92 Kg

* Maximum force achieved in optimum conditions. On a steel plate ST-37, 60 mm thick with a flat ground surface.

Safety blocking lever



Note: Safety coefficient = 3. Detachment force is 3 times higher than the load

ELEVADOR DE CHAPAS CON LEVA

Para elevar o arrastrar chapas con la mano y con las máximas garantías de seguridad. Dispone de un asa para poder arrastrar la chapa. Al bajar el asa, esta actúa sobre una leva que suelta la chapa.

CÓDIGO	22.09.002
Dimensiones	140 x 100 mm
Peso	1,8 Kg



Atención: solamente para usar con la mano. No apto para polipastos o puentes grúa.

La fuerza de elevación es de 100 daN con entrehierro 0 mm y espesor de chapa de 2 mm. La fuerza de arrastre en las mismas condiciones es de 60 daN.

ELEVADOR DE CHAPAS DE MANO

CÓDIGO	22.09.010
Dimensiones	65 x 37 x 20 mm
Peso	0,12 Kg

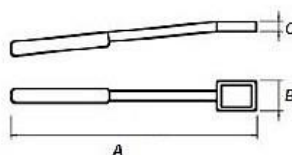
Para coger con la mano, chapas delgadas de una pila. No perjudica en absoluto las chapas y evita las lesiones en la mano.



PINZAS MAGNÉTICAS

Especialmente útiles para colocar piezas en prensas. Evitan que el operario acerque las manos en la zona de peligro de la máquina.

CÓDIGO	22.09.111	22.09.112
A	265 mm	350 mm
B	25 mm	95 mm
C	20 mm	30 mm
Fuerza	2 daN	6 daN
Peso	0,280 Kg	0,315 Kg



EMX-SR-250

**LIFTING MAGNET EMX-250
WITH ROTARY DEVICE**

Lifting magnet with device to flip pieces from horizontal to vertical position and vice versa.

CODE: 16.11.103

CODE: 16.11.103



MAGNETIC SHEET FLOATERS

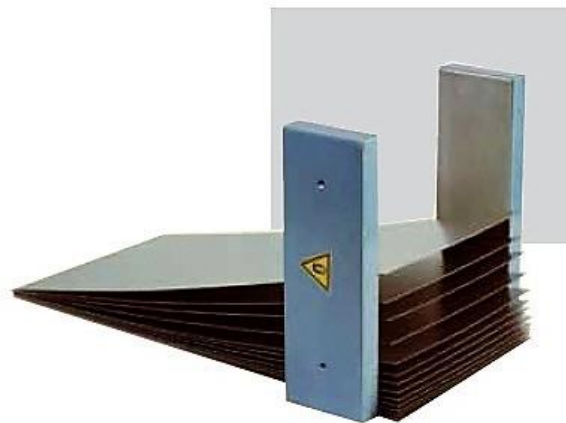
Magnetic sheet floaters are used for lifting steel sheets from a pile and holding them suspended in the air. The sheets are separated from each other by positioning magnetic blocks specially designed for this purpose at one or more sides of the pile sheets.

They are especially suitable for manual or automatic feeding of machines.

These floaters consist of a stainless steel casing with an anisotropic magnet system installed inside. The casing and the magnets are held in position with a steel backplate.

Each unit can be mounted on the workplace or can be free standing.

When the pile of sheets are introduced into the magnetic field (on the operative face of the magnet), the sheets automatically take up their individual positions. The explanation is simple and interesting. Magnetic poles are induced in the steel sheets, and in accordance with the laws of magnetism, opposite poles repel making the sheets separate.



CHOOSING THE RIGHT KIND OF FLOATER

Choosing the right floater depends on the following factors:

1. Thickness of the sheet
2. Dimensions of the sheet
3. Height of the pile
4. Surface quality of the sheet
5. Sheet conditions (humidity, oil,...)

To select the floater the following guidelines are suggested:

GUIDELINES TO BE FOLLOWED		
THICKNESS OF THE SHEETS TO BE SEPARATED	TRANSVERSAL SECTION OF THE FLOATER	
	B	C
Up to 0,7 mm	75	30
Up to 1 mm	105	30
Up to 2 mm	105	50
Up to 4 mm	180	90
Up to 6 mm	280	95

The floater must be higher than the pile of sheets in order to achieve the correct separation.

Maximum surface to separate per floater:

- For normal sheets up to 0.3 m²
- For sheets with oil up to 0.15 m²

If the sheets are to be removed with an automatic process more separators will be needed around the pile.

CODE	A mm	B mm	C mm	HOLDING HOLES	D mm	WEIGHT Kg
20.24.001	75	75	30	2 x M-8	50	1
20.24.002	275	75	30	2 x M-8	250	3.7
20.24.003	340	75	30	2 x M-8	250	4.5
20.24.004	105	105	30	2 x M-8	50	1.9
20.24.005	210	105	30	2 x M-8	100	3.9
20.24.006	310	105	30	2 x M-8	200	5.7
20.24.007	340	105	30	2 x M-8	250	6.3
20.24.008	145	105	50	2 x M-8	100	3.8
20.24.009	210	105	50	2 x M-8	100	5.6
20.24.010	280	105	50	2 x M-8	200	7.4
20.24.011	310	105	50	2 x M-8	200	8.2
20.24.012	345	105	50	2 x M-8	250	9.2
20.24.013	410	105	50	3 x M-8	150	10.9
20.24.014	445	105	50	3 x M-8	150	11.8
20.24.015	510	105	50	3 x M-8	200	13.6
20.24.016	610	105	50	4 x M-8	150	16.2
20.24.017	765	105	50	4 x M-8	200	20.3
20.24.018	280	180	90	2 x M-12	200	23.5
20.24.019	400	180	90	3 x M-12	150	33.5
20.24.020	345	280	95	3 x M-12	100	43.5
20.24.021	545	280	95	4 x M-12	150	69
20.24.022	610	280	95	4 x M-12	150	77.5
20.24.023	815	280	95	4 x M-12	200	103

NOTE: Consult for other sizes.

