

# FLAIG LIFTING MAGNETS

FX & FXE MAGNETIC LIFTING MAGNETS



E-mail      [sales@nos-as.dk](mailto:sales@nos-as.dk)  
Phone      +45 7669 7070  
Address     Overholm 7, 8700 Horsens



## FX & FXE LIFTING MAGNETS

Flaig manufactures a diverse selection of permanent lifting magnets tailored to various applications. These range from compact ergonomic magnets designed for swift handling of light loads to remote-controlled 40-ton lifting magnets intended for handling hefty slabs and blocks.



### LIFTING MAGNETS



#### FX Lifting Magnets

Single magnets for all common workpieces from 100-3000 kg.



#### Horizontal-Vertical Systems

Horizontal-vertical systems for turning workpieces from 150-3000 kg.



#### Magnetic Trusses

Magnetic trusses for sheets, bars and tools from 240-4800 kg.



### LIFTING ELECTROMAGNETS



#### FXE Electromagnets

Ranges of ergonomic lifting magnets for very fast handling of small loads to super heavy slab magnets for 40t or more.



#### FXE-M Electromagnets

A large selection of standard solenoid modules, especially for the field of automation.



#### FXE-T Magnetic Trusses

Electromagnetic system with trusses for all sheet metal formats, beams and profiles.

FX magnet series is world class in terms of technology and quality.

- With a unique half-shell magnet system.
- FX magnets achieve maximum magnetic flux densities and holding forces with, comparatively, fewer rare earth raw materials than other designs.
- The massive shaft is made of one piece, requires only 90° switching travel and does not recoil.
- Made in Germany.

FXE magnets have been setting standards for over 20 years. The best choice if:

- the load to be moved is too large for FX magnets
- the lifting magnet must be operated and controlled ergonomically.
- the geometry of the load does not fit FX magnets
- the lifting magnet must be remote controlled and possibly load adjustable.
- the load capacity is too large in relation to the material thickness for permanent magnets.

## FX Universal Lifting Magnet

- FX permanent lifting magnet serie
- Max. Operation temperature 80°C
- Compact design and low weight
- Great performance
- Safety factor 3,5
- EN 13155



Model	Max. Load capacity - kg		Max. Load capacity from (mm)	Dimensions - mm			Weight kg
	Flat	Round		L	B	H	
FX-150	150	75 (Ø 50 - 200 mm)	8	161	64	60	3.6
FX-300	300	150 (Ø 50 - 300 mm)	15	205	87	78	8.4
FX-600	600	300 (Ø 80 - 400 mm)	20	288	112	94	19
FX-1000	1000	500 (Ø 100 - 450 mm)	25	361	152	120	42
FX-2000	2000	1000 (Ø 120 - 600 mm)	50	472	228	169	115
FX-3000	3000	1500 (Ø 250 - 600 mm)	50	648	228	169	166

## FXE Lifting Electromagnets

- Electro permanent lifting magnet series
- Plug and play solution for loads up to 2,4t
- Equipped with on-board control technology for direct connection to mains voltage
- Easy to guide and operate
- 2 different versions, Pole type 50 / 50+
- Safety factor 3,5/Test method EN 13155
- Max. Operation temperature 80°C
- Low weight



Model	Max. Load capacity - kg	Max. Load from flat material (mm)	Dimensions - mm			Weight kg
			L	B	H	
FXE-150/50	150	15	164	95	420	16
FXE-150/50+	150	15	164	95	445	17
FXE-300/50	300	15	164	164	420	23
FXE-300/50+	300	15	164	164	440	26
FXE-500/50	500	15	234	164	420	31
FXE-500/50+	500	15	234	164	450	31
FXE-750/50	750	15	298	164	250	27
FXE-750/50+	750	15	298	164	280	30
FXE-1100/50	1100	15	420	164	270	39
FXE-1100/50+	1100	15	420	164	290	45
FXE-1600/50	1600	15	620	164	270	56
FXE-1600/50+	1600	15	620	164	289	60
FXE-2400/50+	2400	15	805	164	295	105



## FXE-M / MP Magnetic modules

- FXE-M magnetic modules can be combined with MCF control units.
- FXE-MP modules are especially suitable for gripping small components from fixtures. The magnet modules can be controlled via the MCF control unit. Ideal for use on cranes, manipulators, robots and conveyor systems.

## FXE-T / TT truss solutions

- Ideal for move large load
- FXE-T Electro-PermaLoad Lifting Magnetic Crossheads 2,5-9,6t for lifting standard sheet metal formats up to 6000x3000mm.
- FXE-TT telescopic electro-permanent lifting magnet trusses for lifting standard sheet sizes up to 18000x3500mm.



## MCF control

- The MCF control units are designed to operate magnetic modules. It is available both as a single board for installation in the customer's existing control cabinets and as an IP 54 control cabinet solution.

## We offer 24 hour service at NOS A/S

Whenever a problem arises and your equipment has been damaged, then you can safely call us. We will fix or change the damaged equipment fast and effective. That way you will keep production going and minimize the number of stops.

# NOS A/S

A GRENE WIS COMPANY

Overholm 7, DK 8700 Horsens

E-mail: [sales@nos-as.dk](mailto:sales@nos-as.dk)

Phone: +45 7669 7070