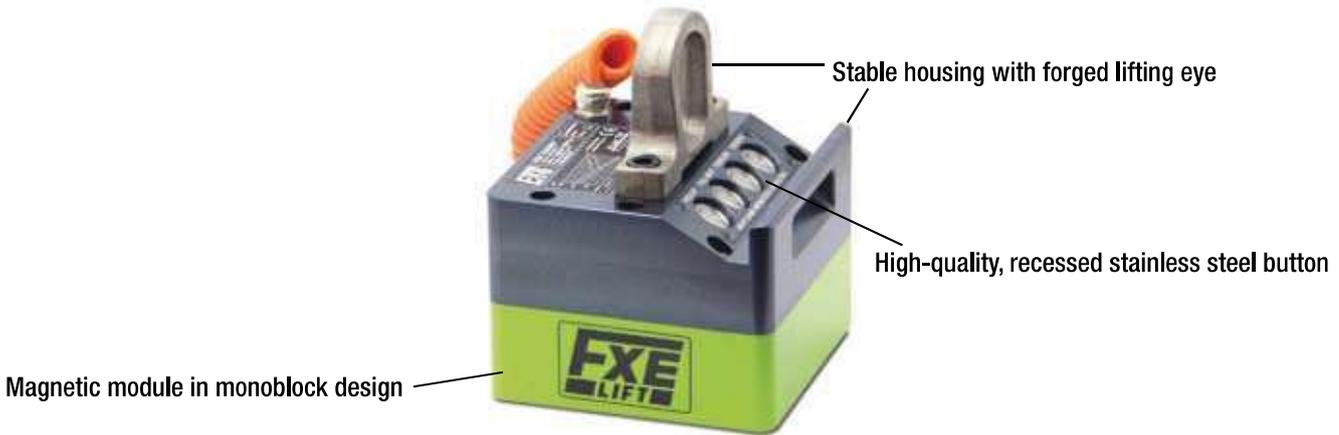


## FXE Electro-Permanent Lifting Magnets

FXE Lifting magnets are the professional solution for the frequent turning of workpieces. They are very robustly built and designed for continuous use. The electrical control allows the operator to turn the unit without any physical effort, even on hard to reach areas. The permanent magnet system can be activated via Pushbutton in 0.8 seconds, and when you turn off the workpiece is released safely. The connection is made easy to mains voltage. Thus, the device is ready for use with very low installation effort. If the power fails, the load is held by the permanent magnet field. For this, no prone- and maintenance-intensive back-up batteries are necessary. A quick change of crane installations with conventional mains-powered electromagnet is possible. FXE Lifting magnets comply with the latest standards and offer maximum safety and ease of use. With our standard sizes up to 7200 kg, we have the right equipment for almost any application.



## FXE-300/50 • FXE-500/50 Electro-Permanent Lifting Magnets

Equipped with pole structure 50 and a maximum load capacity of 300/500 kg which is achieved at thicknesses from 15mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting of serial parts, blanks and small castings and forgings.

### FXE-300/50

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	70 kg	1800	1500
from 6 mm	140 kg	2000	1500
from 8 mm	200 kg	2000	1500
from 10 mm	280 kg	2000	1500
from 15 mm	300 kg	2000	1500

### FXE-500/50

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	100 kg	1800	1500
from 6 mm	200 kg	2000	1500
from 8 mm	300 kg	2000	1500
from 10 mm	400 kg	2000	1500
from 15 mm	500 kg	2000	1500



Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-300/50	1060 0301	300	164	164	420	4	50	14	116x116	23
FXE-500/50	1060 0501	500	234	164	420	6	50	22	180x116	31

## FXE-750/50 • FXE-1100/50 • FXE-1600/50 Electro-Permanent Lifting Magnets

Equipped with pole structure 50 and a maximum load capacity of 750/1100/1600 kg which is achieved at thicknesses from 15mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting plates, laser and Internal parts, tools and blanks.



### FXE-750/50

#### Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	150 kg	1800	1500
from 6 mm	250 kg	2000	1500
from 8 mm	400 kg	2000	1500
from 10 mm	600 kg	2000	1500
from 15 mm	750 kg	3000	1500

### FXE-1100/50

#### Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	200 kg	2000	1500
from 6 mm	370 kg	3000	1500
from 8 mm	600 kg	3000	1500
from 10 mm	900 kg	3000	1500
from 15 mm	1100 kg	3000	1500

### FXE-1600/50

#### Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	300 kg	3000	1500
from 6 mm	500 kg	3000	1500
from 8 mm	800 kg	3000	1500
from 10 mm	1400 kg	3000	1500
from 15 mm	1600 kg	3000	2000

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-750/50	1060 0701	750	298	164	250	8	50	30	244x116	27
FXE-1100/50	1060 1101	1100	420	164	270	12	50	40	372x116	39
FXE-1600/50	1060 1601	1600	620	164	270	18	50	60	564x116	56

## FXE-L Electro-Permanent Lifting Magnets

Equipped with pole structure 50+ in long narrow design and a maximum working load of 400/600/1000 kg, which is achieved at thicknesses from 15mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting of strips, bars, pipes, beams and rods. Also, using of pole extensions which facilitate it, to position the magnets on long narrow loads.



## FXE-L400/50+ Electro-Permanent Lifting Magnets



### FXE-L400/50+

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	70 kg	1800	1000
from 6 mm	140 kg	2000	1000
from 8 mm	200 kg	2000	1000
from 10 mm	250 kg	2500	1000
from 15 mm	400 kg	3000	1000

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-L400/50+	1060 0411	400	294	95	450	4	50+	14	244x52	23

## FXE-L600/50+ Electro-Permanent Lifting Magnets

### FXE-L600/50+

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	100 kg	2000	1000
from 6 mm	200 kg	2500	1000
from 8 mm	300 kg	2500	1000
from 10 mm	350 kg	3000	1000
from 15 mm	600 kg	4000	1000



Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-L600/50+	1060 0611	600	420	95	450	6	50+	22	372x52	31

## FXE-L1000/50+ Electro-Permanent Lifting Magnets

### FXE-L1000/50+

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	150 kg	2500	1500
from 6 mm	300 kg	3000	1500
from 8 mm	400 kg	3000	1500
from 10 mm	500 kg	4000	1500
from 15 mm	1000 kg	5000	1500



Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-L1000/50+	1060 1011	1000	680	95	450	10	50+	38	628x52	44

## FXE-1000/80 Electro-Permanent Lifting Magnets

Equipped with pole structure 80 and a maximum load capacity of 1000 kg which is achieved at thicknesses from 25mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting of heavy plates, plasma and flame-cut parts, Tools and blanks.



### FXE-1000/80

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 8 mm	200 kg	2000	1500
from 10 mm	300 kg	2000	1500
from 15 mm	600 kg	2000	1500
from 25 mm	1000 kg	2000	1500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-1000/80	1060 1002	1000	228	228	295	4	80	36	172x172	39

## FXE-2500/80 Electro-Permanent Lifting Magnets

Equipped with pole structure 80 and a maximum load capacity of 2500 kg which is achieved at thicknesses from 25mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting of heavy plates, plasma and flame-cut parts, Tools and blanks.



### FXE-2500/80

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 8 mm	500 kg	2000	1500
from 10 mm	750 kg	3000	1500
from 15 mm	1500 kg	3000	1500
from 25 mm	2500 kg	3000	2000

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-2500/80	1060 2502	2500	506	228	295	10	80	90	448x172	77

## FXE-4000/80 Electro-Permanent Lifting Magnets

Equipped with pole structure 80 and a maximum load capacity of 4000 kg which is achieved at thicknesses from 25mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting of heavy plates, plasma and flame-cut parts, Tools and blanks. The outwardly offset control and operating unit makes it easier to clear firing- and machine tables.



Optionally available with 2 control panels



### FXE-4000/80

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	Max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 8 mm	800 kg	3000	1500
from 10 mm	1200 kg	3000	1500
from 15 mm	2400 kg	3000	1500
from 25 mm	4000 kg	4000	1500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-4000/80	1060 4002	4000	783	228	295	16	80	144	724x172	132

## FXE-1600/100 Electro-Permanent Lifting Magnets

Equipped with pole structure 100 and a maximum load capacity of 1600/2400 kg which is achieved at thicknesses from 35mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting forgings, heavy plates, Plasma and internal parts, tools, ingots...



### FXE-1600/100

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 10 mm	400 kg	2000	1500
from 20 mm	1000 kg	2000	1500
from 35 mm	1600 kg	3000	1500

### FXE-2400/100

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 10 mm	600 kg	2000	1500
from 20 mm	1500 kg	3000	1500
from 35 mm	2400 kg	3000	1500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-1600/100	1060 1603	1600	296	296	125	4	100	58	222x222	82
FXE-2400/100	1060 2403	2400	415	296	335	6	100	87	342x222	118

## FXE-3200/100 Electro-Permanent Lifting Magnets

Equipped with pole structure 100 and a maximum load capacity of 3200 kg which is achieved at thicknesses from 35mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting forgings, heavy plates, Plasma and internal parts, tools, ingots...



### FXE-3200/100

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 10 mm	800 kg	3000	1500
from 20 mm	2200 kg	3000	1500
from 35 mm	3200 kg	4000	1500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-3200/100	1060 3203	3200	536	296	335	8	100	112	462x222	154

## FXE-4800/100 • FXE-7200/100 Electro-Permanent Lifting Magnets

Equipped with pole structure 100 and a maximum load capacity of 4800/7200 kg which is achieved at thicknesses from 35mm, and for small magnetically active areas, we recommend this easily to be guided and to use devices for lifting forgings, heavy plates, Plasma and internal parts, tools, ingots...



### FXE-4800/100

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 10 mm	1200 kg	3000	1500
from 20 mm	3000 kg	4000	2000
from 35 mm	4800 kg	4000	2000

### FXE-7200/100

Max. Load capacity at sheets and 4-edge pipes

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 10 mm	1800 kg	3000	1500
from 20 mm	3300 kg	4000	2000
from 35 mm	7200 kg	4000	2500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	clamping surface (mm)	Weight (kg)
			L	W	H					
FXE-4800/100	1060 4803	4800	778	296	400	12	100	168	702x222	202
FXE-7200/100	1060 7203	7200	778	415	400	18	100	252	702x342	298

## FXE-T2500/50 • FXE-T4000/80 Magnetic Truss

FXE T 2500/50 and 4000/80 Electro-permanent Lifting magnet trusses in a compact design with on-board control technology are designed for the frequent transfer of larger formats. They can, like the FXE Lifting magnets, be operated directly on mains voltage and are thus installed quickly and ready for use. The unit is controlled directly on the device or optionally via a remote control.



Radio/IR-Remote Control optionally!



FXE-T 4000/80

### FXE-T2500/50

#### Max. Load capacity at sheets

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	500 kg	4000	1500
from 6 mm	750 kg	4000	1500
from 8 mm	1250 kg	4000	2000
from 10 mm	1750 kg	4000	2000
from 15 mm	2550 kg	4000	2500

### FXE-T4000/80

#### Max. Load capacity at sheets

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	350 kg	4000	1500
from 6 mm	700 kg	4000	1500
from 8 mm	1000 kg	4000	2000
from 10 mm	1250 kg	4000	2000
from 15 mm	2500 kg	5000	2500
from 25 mm	4000 kg	5000	2500

Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	Weight (kg)
			L	W	H				
FXE-T2500/50	1068 2501	2500	1000	630	380	2x18	50	96	138
FXE-T4000/80	1068 4002	4000	1200	500	380	2x10	80	170	175

## FXE-T6400/80 Magnetic Truss

The FXE T 6400/80 Electro-permanent Lifting magnet truss is a full-featured standard equipment with all options. The truss with 6400 kg Max. Carrying capacity is held with sliding magnetic modules and can thus move sheet formats of min. 1200 mm length max. 6000 mm length safely.

Delivery includes:

- Radio remote control with Pick Up function to lift individual plates from 6mm
- Weld-on hooks on the sides for each 4t max.
- 2-strain chains
- Lifting-eyelet sensor, demagnetizing only possible when load-free
- 360° LED signal tower
- Stainless steel guide handles
- Primary connection cable ready for 400V/25A fuse/CEE 32A plug



### FXE-T6400/80

Max. Load capacity at sheets

Material-/ Wall thickness	max. Load	Max. Dimensions	
		L (max.)	W (max.)
from 4 mm	500 kg	4000	2000
from 6 mm	1000 kg	6000	2500
from 8 mm	1400 kg	6000	2500
from 10 mm	2000 kg	6000	3000
from 15 mm	4000 kg	6000	3000
from 25 mm	6400 kg	6000	3000



Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	Weight (kg)
			L	W	H				
FXE-T6400/80	1068 6402	6400	3150	780	1900	2x16	80	272	520

## FXE-R Electro-Permanent Lifting Magnets

FXE-R Lifting magnets can pick up round material or both round and flat material. We manufacture from our FXE-based models with pole shoes, which can raise the customized diameter bandwidths individually or in layers.



Model	Item-Nr.	Max. Load Cap. (kg)		Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	Weight (kg)
		flat	round	L	W	H				
FXE-R 2400/100	1062 2403	2400	Ø120-420 mm 1200 kg	536	296	370	8	100	80	158
Consistent sample model, many other Versions available										

## FXE-Z Electro-Permanent Lifting Magnets

FXE-Z lifting magnets with additional demagnetizing we produce from our FXE- basic models with adjusted Magnet System. With FXE-Z, workpieces that keep disturbing residual magnetism after transportation, such as alloyed mold plates or hardened driving parts and bearing parts, can be moved and demagnetized after transport.

Please note that the design compared to the magnetic power is clearly higher than in standard FXE models. The Quality of demagnetization depends on the workpiece, not every request can be reached.



Model	Item-Nr.	Max. Load capacity (kg)	Dimension (mm)			Number Poles °N	Pole structure	Breakaway (kN)	Weight (kg)
			L	W	H				
FXE-Z 500/80	1064 0512	500	430	230	295	8	80	18	60
Consistent sample model, many other Versions available									