

FXE Lifting magnets

Electrically switchable



thyssenkrupp



Permanent magnetic lifting magnets are ideal aids for transporting ferromagnetic loads and materials. With their help, it is possible to pick up and transport loads quickly and safely without additional rigging. They are often used in order picking, material storage, assembly or by the processing machine. A distinction is made between mechanically switchable and electrically switchable lifting magnets.

Electrically switchable lifting magnets offer the greatest possible safety for lifting loads. The load is held securely by the permanent magnets. Even in the event of a cable breakage or power failure, the load cannot drop. The integrated coil is accessed only for activation and deactivation. This guarantees maximum safety. Electrically switchable lifting magnets thus combine the safety of permanent systems with the comfort of electrically switchable lifting magnets.

In addition to our custom solutions, we currently offer the following standard device:

FXE-1000/80 lifting magnet

The FXE-1000/80 electrically switchable lifting magnet has a maximum load capacity of 1000 kg, achieved with material thicknesses from just 25 mm. This easy to guide and operate device is recommended for lifting heavy plates, plasma and

flame-cut parts, tools and blanks. The FXE electro-permanent lifting magnet is equipped with an on-board control technology for direct connection to the mains voltage and thus offers a fast and user-friendly plug & play solution.



Technical data

Model	Max. recommended load capacity (kg)	Dimensions (mm)			Number of poles *N	Pole type	Breakaway force (kN)	Adhesive surface (mm)	Weight (kg)
		L	W	H					
FXE-1000/80	1000	228	228	295	4	80	36	172 x 172	39

FXE 1000/80 is designed for lifting sheets with thicknesses of 8 mm and above and solid steel parts and flame-cut parts with a medium air gap. The nominal specifications of these lifting magnets are achieved up to an air gap of 0.4 mm.

Max. load capacity on sheets and square tubes

Model	Material/wall thickness	Max. load (kg)	Dimensions (mm)	
			L (max.)	W (max.)
FXE-1000/80	≥ 8 mm	200	2000	1500
	≥ 10 mm	300	2000	1500
	≥ 15 mm	600	2000	1500
	≥ 25 mm	1000	2000	1500

- ⇒ Other versions are also available on request.
- ⇒ In addition to our standard program, we also offer custom solutions. We will be happy to advise you on this.

General information

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Contact

thyssenkrupp Magnettechnik
 Branch of thyssenkrupp Schulte GmbH
 Am Hellweg 7
 44805 Bochum, Germany
 T: +49 234 622014-00
www.thyssenkrupp-magnettechnik.com
magnet@thyssenkrupp-materials.com