MaxX®

Great Magnetic Power at your finger tips

Hand controlled magnetic lifters

Powerful, Safe, Compact, Easy to handle

ideal for handling finished or rough, flat or round ferrous loads.

TECNOMAGNETE®
Safety through Power

MaxX®

The most practical, safe and economical way to lift ferrous loads

MaxX lifters are a real revolution in magnetic handling of ferrous loads.

Absolute compact dimensions and low weight, great power and total work safety are the qualities, which make MaxX the ideal solution for small and large factories in the industry, with near zero operating costs and quick return on investment.

A range of 5 models is available with lifting capacity from 250 kg (550 lbs) to 2000 kg (4450 lbs). Easy to use and manage, they give huge advantages through increased efficiency and productivity in a great number of applications even with limited handling space and short range hoisting or lifting equipment.

Ideal for handling workpieces in machine tools and oxygen cutting operation, for plates, sheet and iron blocks in steel structural works and shipyards building, in steel industries and distribution centres, for changing tooling in production and in general for all the requirements of the modern mechanical workshops.

A single operator can handle the load which is always anchored and lifted from the top without deformation or damage and with optimal use of the available work space, perfect human engineering and full safety for men and equipment.

Safety factor 3

TECNOMAGNETE®
Safety through Power

Lifting365.com

MaxX® The lifters of the ultimate generation

The load is held only by the power of the permanent magnets with no power supply from the mains.

Unbeatable features and performance for a great engineering development.

MaxX activation and deactivation phases. The simplicity of a single move

Simply turning the handle MaxX get activated or deactivated, A self-locking device prevents any possible accidental deactivation of the handle when in the MAG position.

Safe power

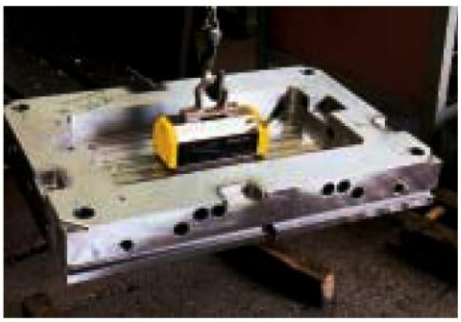
High-energy permanent magnets ensure great concentrated and constant power for an indefinite period. The 3:1 safety factor of the recommended load to the test load ensures optimal working conditions even with substantial operating air gaps. The high magnetic strenght of the MaxX is shown by the strong resistance to operate de handle when load conditions are not perfect. That's how MaxX gives warning of potential danger.

Concentrated power

The 'neutral crown' circuit, basic patent of all Tecnomagnete products, allows channeling the magnetic flow through the polar area only, i.e. where the power is needed this ensure steady, optimal performance whilst a total lack of magnetic dispersion avoids undesired attraction from adjacent loads.

Compact and Robust

Test load up to 150 times the weight of the lifter body (MaxX250).
This incredible power to weight ratio is provided by the Tecnomagnete double-magnet circuit (rotor and stator) and the revolutionary monoblock construction.



Reliability

The only moving part, the rotor, has its fulcrum on ball bearings and doesn't develop any physical contact during rotation.
Nickel coating of all steel parts prevents rust formation, improves component life and allows better surface hardness in the polar area to mantain optimal load contact conditions and protection of machined surfaces.

MaxX/VS Vertical System

The MaxX are also available in the VS version, that is complete with a vertical loading device.

MaxX®

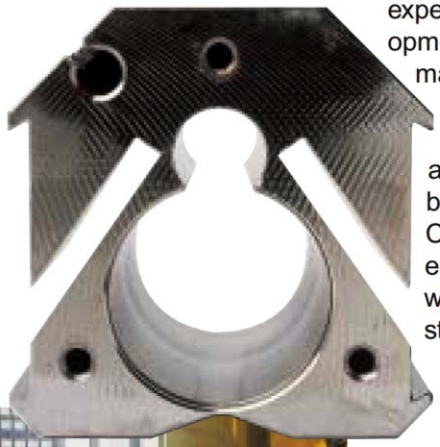
an advanced manufacturing process for a revolutionary patent

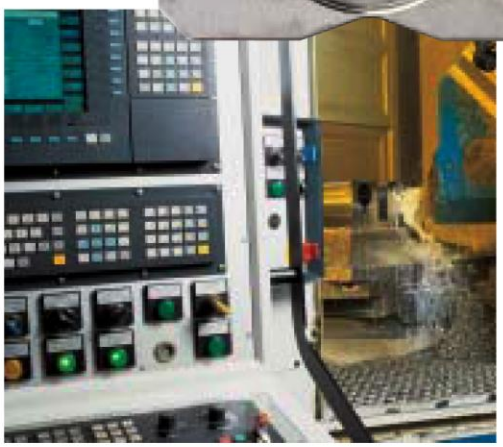
The MaxX serie was born from an innovative design concept, the result of long and extensive Tecnomagnete experience and tradition in the development and building of permanent magnet lifting and workholding systems.

The stator and rotor are machined from solid steel blocks with the aid of modern CNC and FMS systems to enable mass production together with high quality machining standards.

Severe final testing ensures conformity of the MaxX to design standards and observance of CE and international norms.

The result is a line of **compact, sturdy, reliable,** maintenance-free lifters with modern design, supreme performance and incomparable cost-benefit ratio.

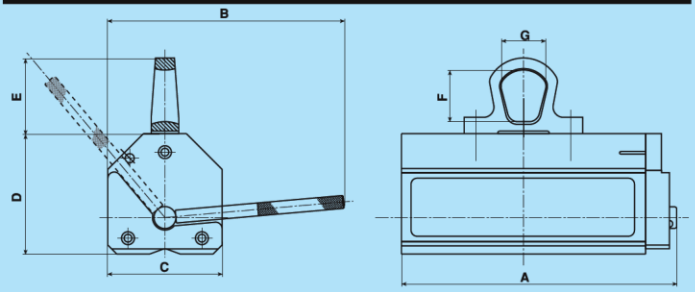




The magnetization process is done by an unique, high-powered unit with the lifter totally assembled ensuring a perfect balance of the high energy magnets making up the MaxX circuit.

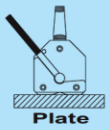
MaxX. A model for every need

Technical Characteristics

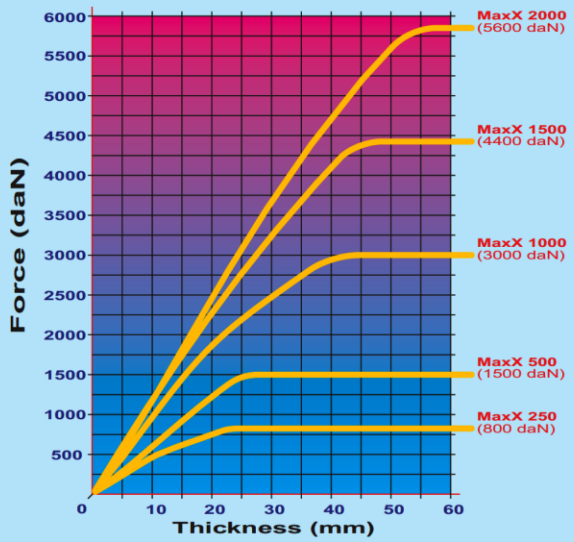


Model	Weight kg	Dimensions mm A	B	C	D	E	F	G
MaxX 250	6	189	185	79	79	63	43	35
MaxX 500	15	249	235	106	101	88	60	52
MaxX 1000	34	342	316	133	131	88	60	52
MaxX 1500	66	383	457	166	171	122	87	64
MaxX 2000	80	457	457	166	171	122	87	64

Load Characteristics

Tipe of load	Model	Load max kg	Thickness min.mm	Length max mm	Load max mm
 Plate	MaxX 250	250	20	1500	-
	MaxX 500	500	25	2000	-
	MaxX 1000	1000	40	3000	-
	MaxX 1500	1500	45	3000	-
	MaxX 2000	2000	55	3000	-
 Round	MaxX 250	100	10	1500	300
	MaxX 500	200	15	2000	400
	MaxX 1000	400	25	3000	450
	MaxX 1500	600	30	3000	500
	MaxX 2000	800	35	3000	600

Performance curves with changing load thickness (plate)

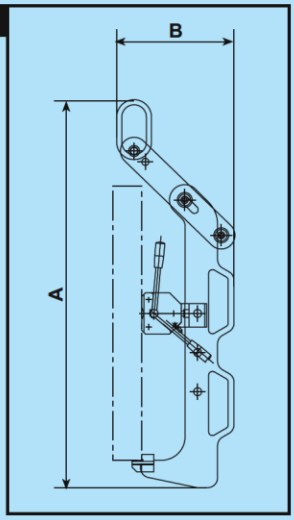


MVS

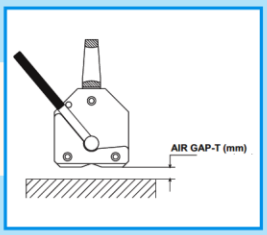
MaxX vertical loading system

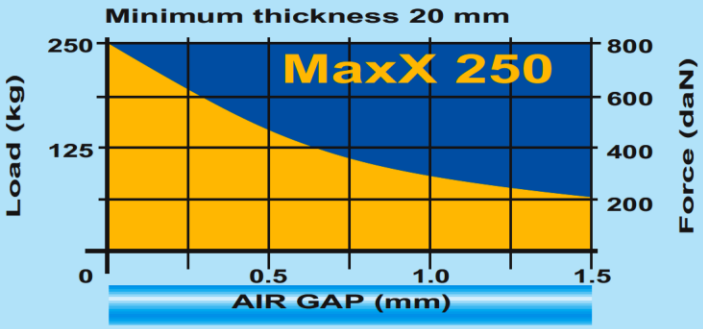
Mod. MVS	A mm	B mm	Weight kg
250	750	250	12
500	1000	300	15
1000	1000	350	16

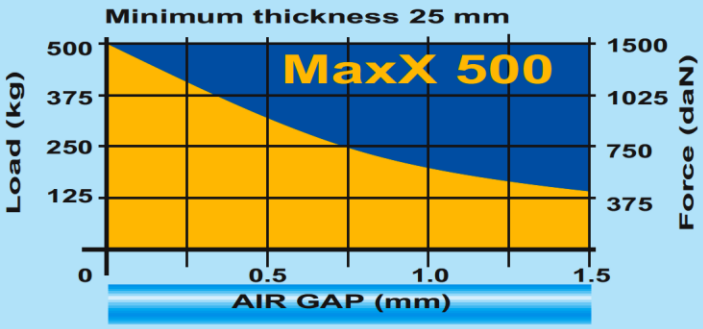
Recommended lifting capacity reduced by 30% compared of standard declared values.

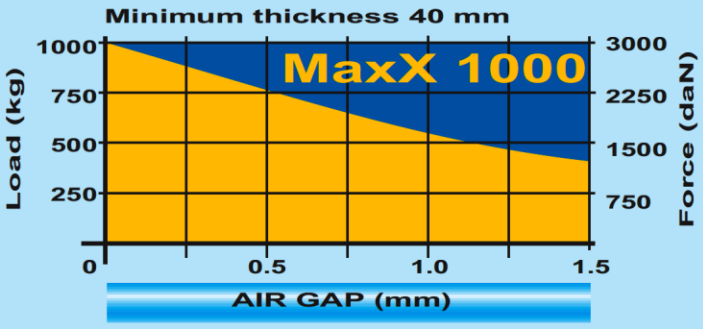


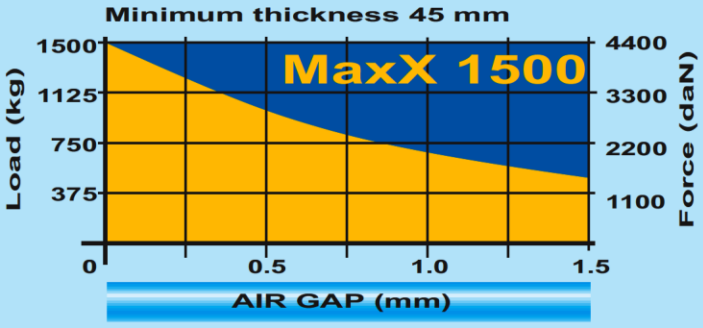
Curves
Power vs Load-Air Gap
on common Fe 370B steel poles completely covered

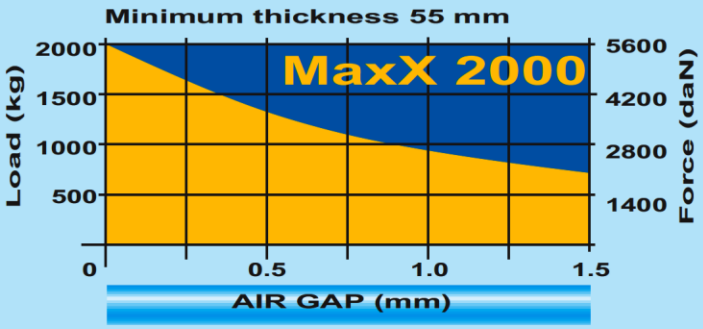












Tecnomagnete:
the World of the permanent - electro Magnetism

From its beginnings in the 70's Tecnomagnete has developed numerous patents and has been able to achieve a world-wide leadership in technology and volumes produced.
Quadsystem™, the patented permanent-electro double reversible magnet circuit, made it possible for Tecnomagnete to offer highly effective applications for workholding on machine tools, quick mould clamping on presses and for handling a wide variety of ferrous loads.
Tens of thousands of systems installed all over the world are the result of continous research and development in advanced engineering applications.
A world-wide sales organization with directly owned subsidiaries and qualified agents and distributors can provide service that implements a truly "customer satisfaction" policy.