

MaxX[®]

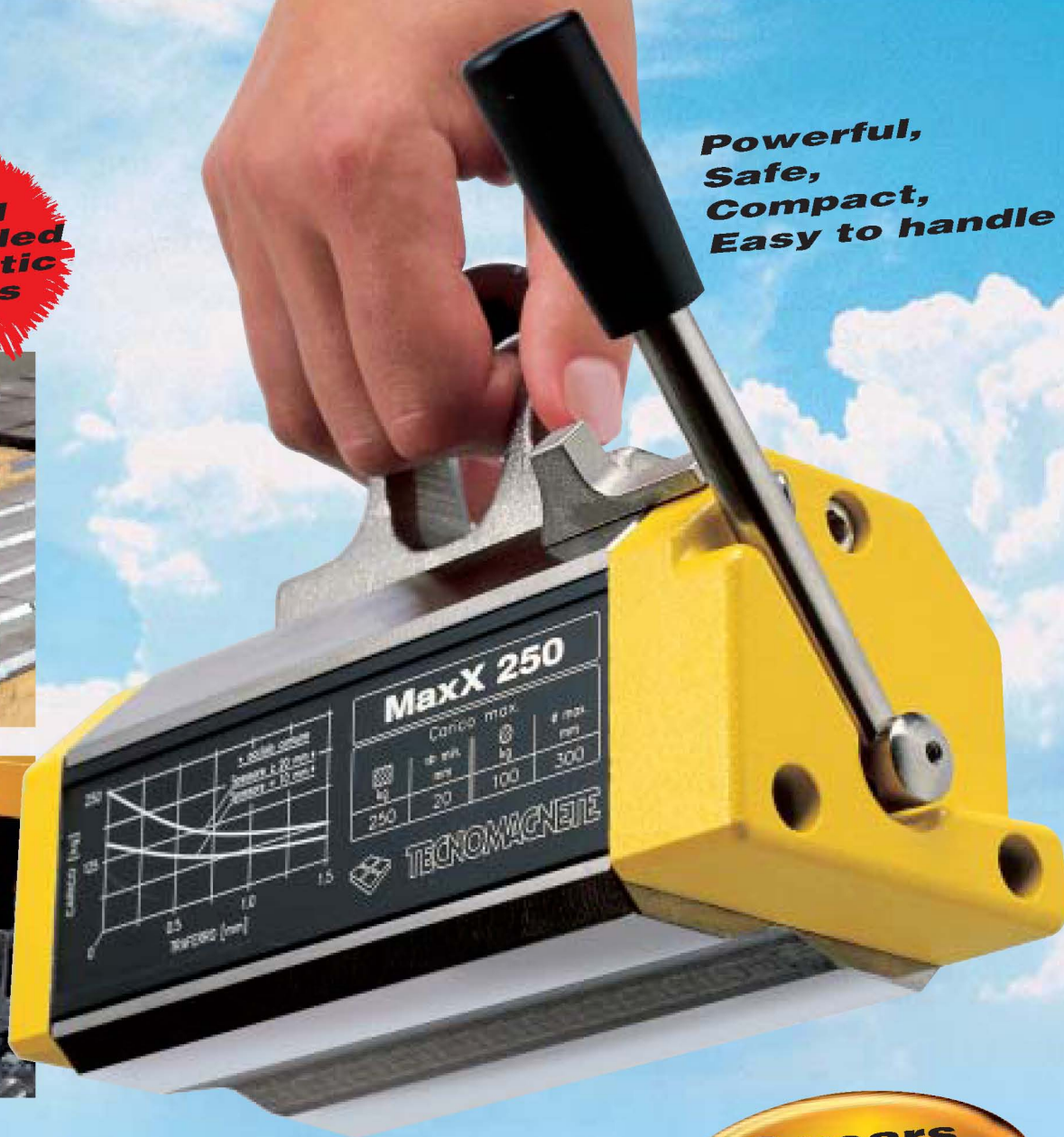
Great Magnetic Power
at your finger tips

**Hand
controlled
magnetic
lifters**

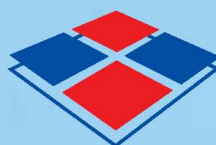
**Powerful,
Safe,
Compact,
Easy to handle**



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



**3-years
guarantee**
International
Patent



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 shipyard's 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.



TECNOMAGNETE
Safety through Power

Safety
factor
3



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 strength 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

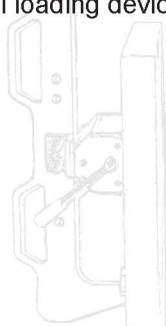
The only moving part, the rotor, has its fulcrum on ball bearings and doesn't develop any physical contact during rotation.

Nickel coating of all steel parts prevents rust formation, improves component life and allows better surface hardness in the polar area to maintain 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.



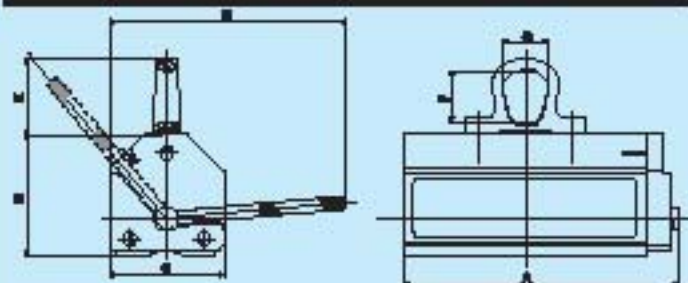
The magnetization process is done by a unique, high-powered unit with the lifter totally assembled ensuring a perfect balance of the high energy magnets making up the MaxX circuit.



MaxX. A model for every need



Technical Characteristics

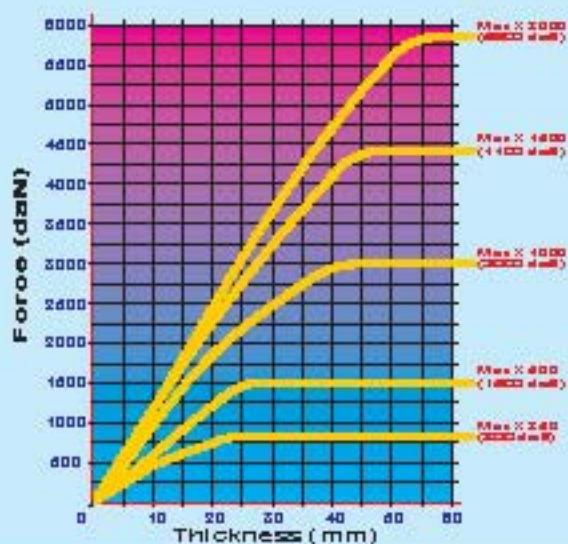


| Model | Weight kg | A | B | C | D | E | F | G |
|-----------|--------------|-----|-----|-----|-----|-----|----|----|
| MaxX 250 | 6 | 189 | 185 | 79 | 79 | 63 | 43 | 35 |
| MaxX 600 | 15 | 249 | 235 | 106 | 101 | 88 | 60 | 52 |
| MaxX 1000 | 34 | 342 | 316 | 133 | 131 | 88 | 60 | 52 |
| MaxX 1600 | 66 | 363 | 457 | 166 | 171 | 122 | 87 | 64 |
| MaxX 2000 | 80 | 457 | 457 | 166 | 171 | 122 | 87 | 64 |

Load Characteristics

| Type of load | Model | Load max kg | Thickness min mm | Length max mm | Load max mm |
|--------------|-----------|----------------|---------------------|------------------|----------------|
| Plate | MaxX 250 | 250 | 20 | 1500 | - |
| | MaxX 600 | 600 | 25 | 2000 | - |
| | MaxX 1000 | 1000 | 40 | 3000 | - |
| | MaxX 1600 | 1500 | 45 | 3000 | - |
| | MaxX 2000 | 2000 | 55 | 3000 | - |
| Round | MaxX 250 | 100 | 10 | 1500 | 300 |
| | MaxX 600 | 200 | 15 | 2000 | 400 |
| | MaxX 1000 | 400 | 25 | 3000 | 450 |
| | MaxX 1600 | 600 | 30 | 3000 | 500 |
| | MaxX 2000 | 800 | 35 | 3000 | 600 |

Performance curves with changing load thickness (plate)



MVS

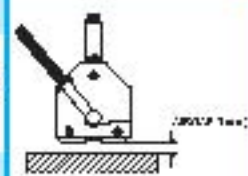
MaxX vertical loading system

| Mod. | A | B | Weight |
|------|------|-----|--------|
| MVS | mm | mm | kg |
| 250 | 750 | 250 | 12 |
| 600 | 1000 | 300 | 15 |
| 1000 | 1000 | 350 | 16 |

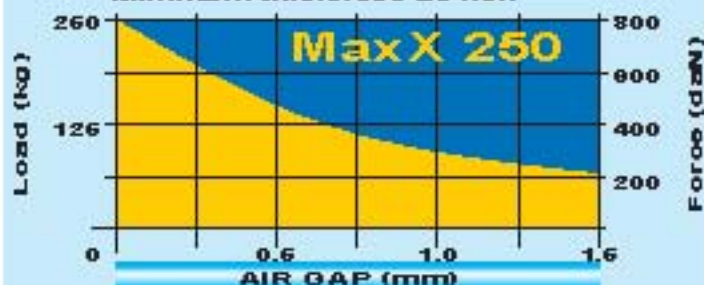
Recommended lifting capacity reduced by 30% compared of standard declared values.



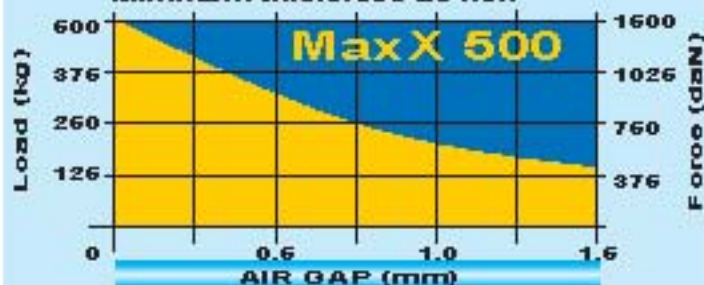
Curves
Power vs Load-Air Gap
on common Fe 370B steel
poles completely covered



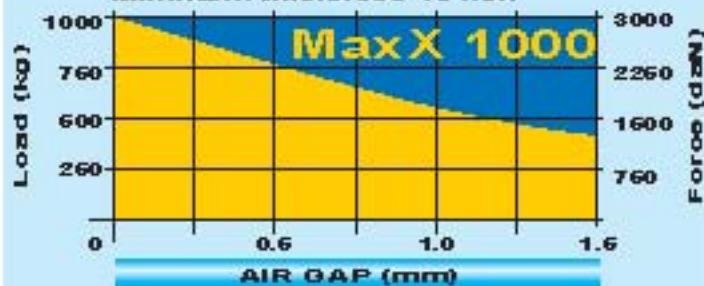
Minimum thickness 20 mm



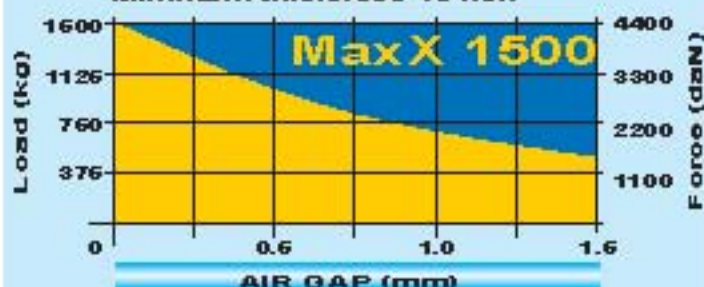
Minimum thickness 25 mm



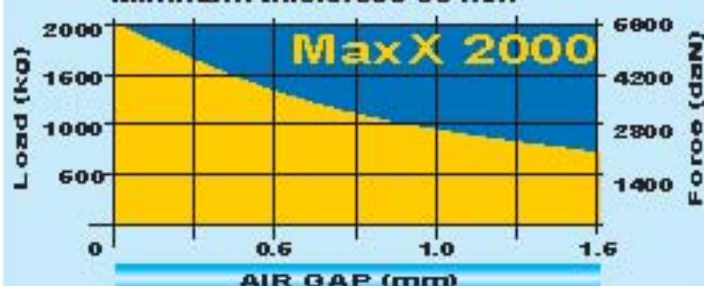
Minimum thickness 40 mm



Minimum thickness 45 mm



Minimum thickness 55 mm



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 continuous
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.

Workholding

Material Handling

Moulding and Stamping

TITAN®

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