

Automatic Lifting Magnet

MAG-MATE®
MG_LI120ALM Flyer

IXTUR®

Automatic Lifting Magnet LI-120ALM

- Permanent magnet
- Automatic controlled ON/OFF
- Compact size
- Internal chargeable battery for switching
- Fast cycle times
- Over one thousand lifts with one complete battery charge
- 3:1 design factor



Innovative, compact and user-friendly, this magnetic lifting equipment features a strong permanent magnet that is switched between the “on” and “off” states with an electrical pulse.

The real beauty of this magnet is that it is fully automatic - no user interface is required to turn the magnet on or off. The secret lies in the built-in load-sensing system. This unique feature utilizes a self-adjusting shaft that turns the magnet on or off every time it completes a cycle. When the magnet is set down on a load, the shaft goes down, which engages the magnet. The magnet stays “on” until the load is set back down, the shaft goes down and turns the magnet “off”. The operator also has the option to manually control the magnet by pressing the push buttons located on the side of the unit.

This permanent lift magnet only uses an electronic impulse to change the magnet from on to off. No electrical power is used during the lifting process.

This results in long and efficient operation without interruption - over one thousand lifts with one complete, 2 hour battery charge!

TECHNICAL SPECIFICATIONS

Dimensions (Length x Width x Height)	4.92 in x 4.92 in x 7.87 in
Weight	14.3 lbs
Holding force	minimum 793.7 lbs (S235 S \geq 12 mm)
Rated lifting capacity	265 lbs (S235 S \geq 12 mm)
Residual magnetism	max. 22 lbs
Charging time	max. 2 h
Operational time with fully charged battery	100 hours in standby mode or 3000 magnet (de)activations (ON or OFF)
Environmental conditions	
- Operating temperature:	32°F ... 122°F
- Storage temperature:	-4°F ... 95°F
- Humidity:	0% ... 90%

Working Load Limit in lbs (kg) & *Max Sheet Length Due To Sag For Material Thickness For Single Magnet Use

Model No.	3/16" (6' Lg)	1/4" (6' Lg)	3/8" (8' Lg)	1/2" (8' Lg)	1" (10' Lg)	3" (10' Lg)
LI-120ALM	78 (35)	111 (50)	232 (105)	265 (120)	265 (120)	265 (120)

NOTE: Lifting Values for the Ixtur® Automatic Lift Magnet are stated at 33% of the actual value. We recommend when lifting sheets over 8', use 2 or more lifts on a spreader bar to prevent sheet flexing, sagging or peel-off. Thin material is susceptible to magnetic bleed through, resulting in two sheets being lifted at once. *These maximum sheet lengths are selected due to the sag characteristics of the specified sheet. The item to be lifted must cover the entire length and width of the magnetic poles to properly engage and release the part.

Manufactured by Ixtur Ltd.
Industrial Magnetics, Inc. is the exclusive US distributor.

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Key Markets

Fabrication, Machine Tool, Foundries,
Steel Service Center, Machine Builders

All Photos And Drawings Represent The Products At The Time Of Publication (03/15)

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