

OPERATING INSTRUCTIONS

Industrial lifting magnet

LHM6
LHM10



Please read this manual before using the product and follow the instructions it contains!

GENERAL

Foreword	3
Safety instructions	3
Technical data	4
Overview of the main components	4
Operating instructions	5

MAINTENANCE

Regular inspection	5
Service & contact	6
UKCA Declaration of Conformity	7

FOREWORD

Congratulations on the purchase of your new lifting magnet. This lifting magnet has been manufactured from high quality materials, specially designed for durable and reliable use. For your own safety and to ensure correct operation of the magnet lifter, be sure to read and follow these operating instructions before using it. Keep these operating instructions. Check the magnet for transport damage. Damaged lifting magnets must not be put into use. The lifting magnet is used for the temporary lifting and removal or storage of magnetic goods, such as sheets and modules, which have a sufficient lifting surface. Improper handling may result in injury or damage to the tool. The manufacturer is not liable for damages resulting from the improper use of the lifting magnet, or the disregard of specifications and rules of conduct of this operating manual.

The operator is responsible for ensuring correct use by trained and authorized personnel.

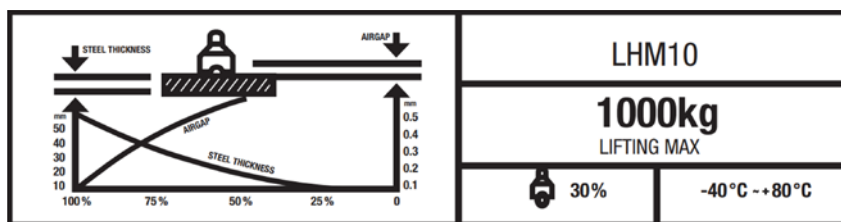
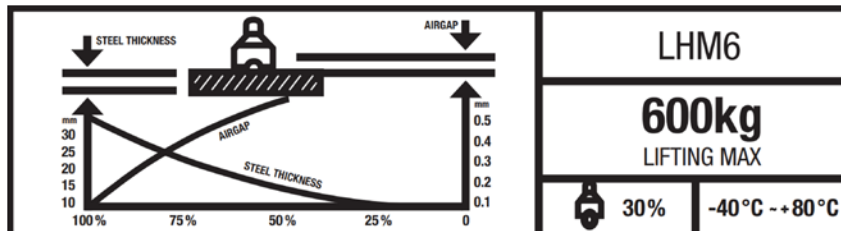
SAFETY INSTRUCTIONS

- Read and observe the safety instructions described in these operating instructions as well as the warnings on the lifting magnet.
- Check the functionality of the lifting magnet at regular intervals.
- Only trained personnel who have been informed about the use of and risks associated with the use of the lifting magnet may use it.
- Only mentally and physically healthy adults in full possession of their mental powers are allowed to use the lifting magnet.
- When using the magnet, wear appropriate protective clothing, such as safety shoes, safety goggles, helmet and gloves, to prevent possible injury.
- Do not remove warning signs from the magnet.
- Do not stand under lifted loads.
- When lifting and transporting loads, make sure that no persons are in the danger zone.
- The lifting magnet must never be used for lifting or transporting people.
- Use safety hooks when lifting loads.
- Do not lift any loads with the lifting magnet that exceed the specified traction weight.
- Check the lifting magnet regularly for damage. Damaged lifting magnets must not be put into use.
- Only lift one object at a time with the lifting magnet.
- Do not leave lifted loads unattended.
- Always lift loads vertically. Avoid swinging of the lifted load.
- If possible, lift loads at a smooth, cleaned surface in order to use the maximum traction force of the magnet.
- Carefully reset the lever. Hold it extra tightly as it will spring back quickly.
- This unit generates a magnetic field that may interfere with medical devices such as metallic implants or pacemakers.
- Do not use the device and stay away from it unless you have permission from the medical device manufacturer or your physician.
- The temperature range in which the magnet may be used is between -40 and 80 °C (-40 and 176 °F). Do not go below or exceed this temperature range.
- Modifications and changes to the lifting magnet which have not been confirmed in writing by the manufacturer are not permitted and will lead to an exclusion of the warranty.
- The ambient humidity must not exceed a maximum of 80%.
- The surface of the attached load must not exceed a roughness of $Ra < 6.3 \mu m$.
- Modifications and changes to the device not approved by the manufacturer will void the warranty.

TECHNICAL DATA

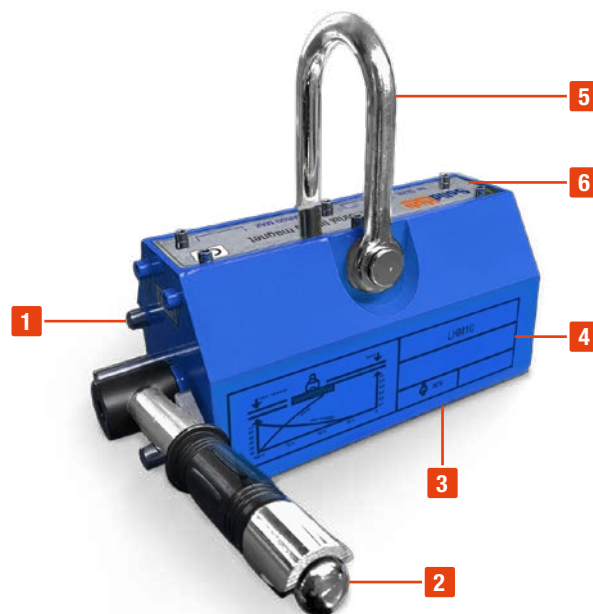
Type	Unit	LHM6	LHM10
Width	mm	210	230
Depth	mm	350	410
Height	mm	220	260
Shackle width	mm	60	70

Type	Unit	LHM6	LHM10
Lever length	mm	240	266
Weight	kg	20	33
Lifting capacity	kg	600	1000
Working temperature	°C	-40 - 80	



OVERVIEW OF THE MAIN COMPONENTS

No.	Name
1	Stop
2	Lever
3	Lifting surface
4	Usage information
5	Shackle
6	Nameplate



OPERATING INSTRUCTIONS

- Before using the lifting magnet, remove all foreign objects and dirt from the lifting surface of the magnet and from the load.
- Position the lifting magnet on the object to be lifted.
- Flip the lever until it engages to activate the magnet.
- Lift the load slowly. Avoid excessive swinging and tilting of the load.
- Transport the load carefully. Pay attention to possible risks and stay out of the danger zone.
- Slowly lower the load again.
- Do not turn the lever of the load lifting magnet until the load is safe and at rest.
- Press the button at the end of the lever to release the lever. Pay attention to the spring force of the lever.
- It will spring back quickly.

Refer to the following table to estimate the magnetic forces acting on your workpiece:

Material	Active force (%)	LHM6 (kg) max. load	LHM10 (kg) max. load
Low carbon steel	100	600	100
Medium carbon steel	90	540	900
High carbon steel	80	480	800
Low alloy steel	70	420	700
Cast iron	50	300	500



If possible, place the lifting magnet on a flat, smooth and clean surface at the center of gravity of the load. A lack of contact surface significantly reduces the lifting capacity.

REGULAR INSPECTION

Perform regular visual inspections on the lifting magnet. Pay particular attention to the following components:

- Lifting surface
- Lever
- Gap on the lifting surface
- Shackle
- Stops
- Pin connections

If any of these components are excessively dirty, clean them with a damp cloth. If necessary, remove burrs and welding beads with a rasp. If the lifting surface is badly damaged (holes, cracks, notches) it must be reground. Have a functional test performed annually in accordance with DIN EN 13155.

The respective inspection points (plus equipment identification) for the periodic inspections/thorough examinations are to be checked in an integrated manner in the associated inspection report of the lifting equipment, taking into account the mandatory fulfilment of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). (Recommendation: FEM4.004)



Clean the lifting surface after each use to remove metal dust and other contaminants from it. This contributes to the safe use of the lifting magnet.

SERVICE & CONTACT

Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: www.topregal.co.uk/en/service

Responsible for the content:

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GERMANY

www.topregal.com

UKCA Declaration of Conformity

The manufacturer

TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA

hereby declares that the following product

Product name:

SolidHub lifting magnet

Type:

LHM6
LHM10

Serial number:

LHM6-1000000000 - LHM6-9999999999
LHM10-1000000000 - LHM10-9999999999

that the equipment is in conformity with the following relevant UK legislations and applied standards:

2006/42/EC Machinery Directive

EN 13155

Name and address of the person who is authorized, compile the technical documentation:

TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA



Place: Crumlin UK
Date: 09.09.2021

Juergen Effner
Chief Executive Officer

SolidHub