

SÉRIE :

HBEP

ELECTRO-PERMANENT LIFTING MAGNETS WITH LITHIUM BATTERY

A full range of electro-permanent lifting magnets featuring an integrated lithium battery, designed for lifting both flat and cylindrical workpieces.

EXTENDED AUTONOMY

With the built-in rechargeable lithium battery, the lifting magnet can complete over 1000 cycles before requiring a recharge.

EFFORTLESS OPERATION

The control panel is easy to use, featuring illuminated digital push buttons for smooth operation.

AUTO-FUNCTION

Activate the auto-function to manage the MAG and DEMAG cycle through the proximity switch positioned under the lifting eye. Perfect for rapid unloading, such as in cutting machine applications.



- Safety factor of 3:1
- 6 models ranging from 500 kg to 5000 kg - High-autonomy lithium battery technology
- Option for manual or automatic operation
- 4 levels of pick-up force, allowing you to lift a single steel sheet from a stack
- Proximity switch to prevent accidental demagnetization during lifting



TIP: The AUTO function allows you to link multiple magnets on a lifting beam. All magnets are activated at the same time through their proximity switch during lifting, making it easier to handle long, heavy workpieces.



FOR FLAT AND ROUND PARTS

SAFETY FACTOR 3



MAXIMUM SAFETY

The magnet activates with a short electrical pulse, while permanent magnets generate the holding force. The 3:1 safety factor ensures reliable performance, even when dealing with rough or dirty workpieces.

Small steel parts

No external power supply required

Rechargeable battery

1000 cycles of lifting

**Lifting capacity of
500kg, 1000kg, 1500kg, 2000kg,
3000kg, 5000 kg**



ENERGY EFFICIENT

Consumes 95% less energy than conventional electromagnets. A brief current pulse is all that's needed to activate or deactivate the magnet. The robust rechargeable battery provides more than 1000 cycles before requiring recharging.



ERGONOMIC DESIGN

No power cable needed. Easy to operate:

Manually via the control panel or switch automatically between MAG and DEMAG using the proximity switch. The switch prevents mid-air demagnetization and starts the MAG and DEMAG cycle when AUTO mode is selected.

MODELS

PRODUCT	WEIGHT (KG)	BATTERY (VDC)	MIN. THICKNESS (MM)	SWL FLAT (KG)	SWL ROUND (KG)
HBEP-005	51	60	4	500	250
HBEP-010	73	60	6	1000	500
HBEP-015	88	60	6	1500	750
HBEP-020	118	60	8	2000	1000
HBEP-030	185	60	10	3000	1500
HBEP-050	502	72	20	5000	2500

