

# SB01

## Battery electro-permanent lifters



**SAFETY**  
**RELIABILITY**  
**USER-FRIENDLY**  
**SELF-POWERED**

# SB01

## BATTERY ELECTRO-PERMANENT MAGNETIC LIFTERS

Lifter series designed to lift both flat and round workpieces in complete safety. Very versatile as they don't require any electrical connection except during their recharging.

Thanks to the battery they are equipped with, they are able to perform approximately 250 to 300 magnetization and demagnetization operations. The battery energy is usually only used during the MAG/DEMAG cycles for about 1 second. They also feature a radio control enabling the operator to work from an distance of approximately 10 meters.

A safety hook prevents any accidental manoeuvre when the load is hanging and compels the operator to activate the lifter only after grounding the load. A flashing signal indicates that the magnet is operating, while an acoustic alarm tells the operator that the battery needs to be charged. Batteries can be charged by simply plugging the provided cable into a 100/220 Vac 50/60 Hz socket for about 14 hours.



### TECHNICAL CHARACTERISTICS

Safety factor: **3:1**

Charging time: **14 hours**

Battery capacity: **30Ah-60Ah**

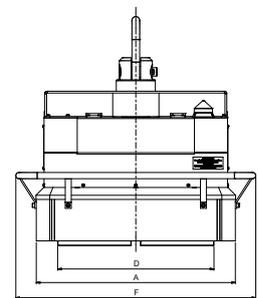
Battery voltage: **12V**

### REMOTE CONTROL

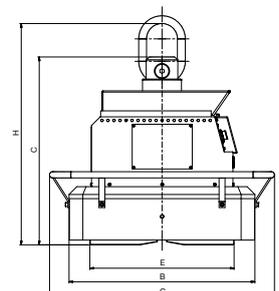
It is equipped with a remote control to activate the Mag and Demag of the lifting magnet at a safe distance or to operate in environments with limited accessibility.



LOAD FEATURES									
TYPE	CODE	Thickness min (mm)	FLAT			Capacity (Kg)	ROUND		Capacity (Kg)
			Width max (mm)	Length max (mm)	Diameter min/max (mm)		Length max (mm)		
SB01.02000	5036139	40	3.000	3.000	2.000	85/225	3.000	750	
SB01.04000	5036140	40	3.000	3.000	4.000	250/500	3.000	1.500	
SB01.06000	5036141	40	3.000	3.000	6.000	250/750	3.000	2.700	



DIMENSIONS										
TYPE	CODE	Weight (kg)	A	B	C	D	E	F	G	H
SB01.02000	5036139	230	438	363	557	340	238	572	415	652
SB01.04000	5036140	389	511	451	586	430	370	642	585	708
SB01.06000	5036141	775	663	619	631	521	481	799	749	743



# STANDARD CONFIGURATION



# APPLICATIONS



## LIGHT LIFTING



**Magnetic neodymium lever lifters suitable for handling both flat and round ferrous loads.**

They are used in various sectors, including loading and unloading on machine tools, oxycutting, warehouses, mechanical assembly lines and welding operations.

These devices stand out for their robustness, ease of use and power.

## SLABS AND BLOCKS LIFTING



**Electro permanent lifters for the handling of slabs and forged blocks with an increased air-gap.**

Thanks to their well-structured design, they are suitable for high loads and therefore reliable over time.

The work areas are also optimized, as no lateral space is needed between blocks.

## STEEL SHEET LIFTING

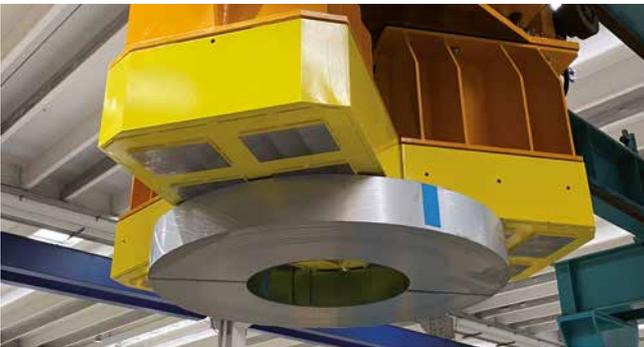


**Electro-permanent, fixed and telescopic beams, designed for handling sheet metals of all sizes, both small and large thickness.**

The load remains clamped indefinitely with a constant force, which limits the energy consumption to the magnetic activation or deactivation cycles.

The magnetization of modules can be selected according to the load size.

## COILS LIFTING



**Solutions for lifting and handling of compact coils, both horizontal or vertical axis, of any weight and size.**

They have the advantage of not deforming or damaging the load, reducing the operating spaces, as the module always rests from above.



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Organizzazione con Sistema di Gestione certificato ISO 9001

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