

elebia®

smart lifting solutions



The evo2 has been designed to be smaller, lighter, tougher, smarter, and more efficient

In 2009, elebia® presented the evo5, creating a completely new concept, the automatic hook. Three years later, we presented our second generation of automatic hooks. Today, our latest model is the smallest automatic hook yet. The evo2 has the same features as its bigger brothers, but it is more compact, smaller and lighter, and you can also remotely attach and release any load with no handling, minimising risks and increasing productivity.

For more information visit us at www.elebia.com

Stedvare, vindkraft, stålmøller, gruvedrift, luftfart, atomkraft, byggevæsen... No matter what your industry is **elebia®** will boost the safety and productivity of your cranes

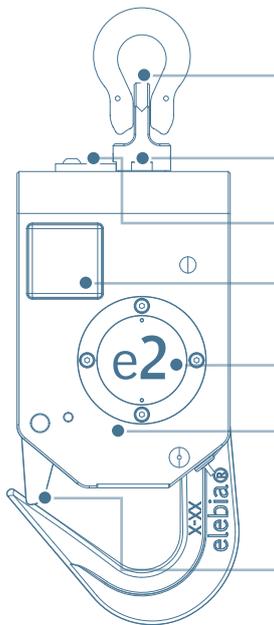
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Main features of the evo2 automatic hook

WORKING LOAD LIMIT **2,500 kgs. / 5,511 lbs.** **APPROXIMATE WEIGHT** **7 kgs. / 15 lbs.**



Small, Compact, Light & Tough

We have created an automatic hook that is lighter, smaller and more compact but equally as strong.

Top Link

The system that links the automatic hook with the crane can be customized in order to adapt itself to any kind of situation.

Swivel with Bearings

The bearings allow the hook to rotate freely.

Swivel with Lock

The operator can lock it at every 90° position.

Efficient (3 hour charge – 5.000 cycles / 250 hours in standby mode)

With the new Eink charge status display system and new electronics, autonomy and consumption are optimized.

Clutch Protected

Motor protected by slip clutch.

Encoder

The evo2 incorporates an innovative position encoder. This allows the user to know the exact position of the hook, allowing better control. This results in longer motor life and safer operations. The sensor is contactless: no wearings and zero maintenance.

Automatic Latch

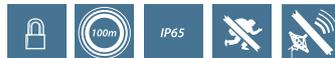
The latch retracts automatically while the hook opens. This way, it remains hidden and protected.

Top link option / Size chart (mm / inches)

A	188 / 7.40			
B	131,5 / 5.18			
C	269,3 / 10.60			
D	22 / 0.87			
E	120,9 / 4.76			
F	42,5 / 1.67			
G	28,8 / 1.13			
H	26,7 / 1.05			
I	21,3 / 0.84			
J	11 / 0.43			
K	- / -	55 / 2.16	111 / 4.37	161 / 6.34 178 / 7

	Ω	P2	ML 3.15	ML 5.4
Ref. OPTION	UCO8	UMP8	UMS16	UMS18

Remote control



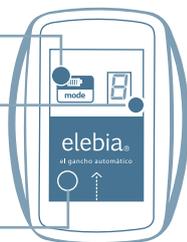
Mode button: opens the hook

'0' to '9' – battery level

'C' - Check / Maintenance

'.' - ring in position (only for units with magnet sensor)

elebia button: closes the hook

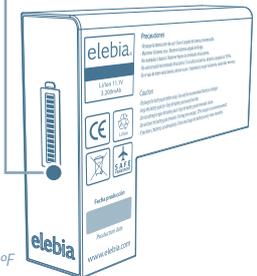


Power supply	3V lithium battery (CR2032)
Available code combinations	65.536 different combinations
Detection of errors in transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency selection	1
Frequencies	868 MHz / 915 MHz (custom frequency on demand)
Communication	Bi-directional return of receiver battery status
Certification standards	EN 300 220 Telecommunications EN 301 489 Electromagnetic Compatibility EN 60730 Low Voltage
Radiated power	under 5dBm
Antenna	Printed circuit
Range	100 metres / 330 feet
Consumption at rest	5 uA
/ transmission operation	/ 20 mA
Working temperature	-20 °C to 85 °C / -4 °F to 185 °F
Dimensions	Minitel box (68 x 52 x 17 mm / 2.68 x 2.05 x 0.67 inches)

Battery - High capacity: 3 hour charge – 5,000 cycles / 250 hours in standby mode

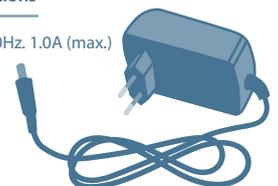
Charge indicator

Technology	Rechargeable Li-Ion
Maximum Voltage	12.4 V DC
Nominal Voltage	10.95 V DC
Nominal Capacity	3.2 Ah DC
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	6.4 A
Heat Protection	Thermal 70 °C / 158 °F
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 °C to 45 °C / 32 °F to 113 °F
Temperature (Discharge)	-20 °C to 50 °C / -4 °F to 122 °F
Temperature (Idle)	-20 °C to 60 °C / -4 °F to 140 °F
Weight	150 g / 5.29 oz



evo2 220V Charger

Specifications	Technical specifications
Input voltage	100-240 V AC / 50-60Hz. 1.0A (max.)
Output	12.6 V DC / 1.2 A



Regulatory Standards

- UNE-EN 1677	- UNE-EN ISO 12100-2	- D89/654/EEC	- Directive on machine safety (D2006/42/EC)	- Each mechanism is delivered with the CE stamp and a declaration of CE conformity.
- EN 10204 3.1.B	- UNE-EN 61000-6-4	- D89/655/EEC		
- UNE-EN 1050	- UNE-EN 61000-6-2	- D89/656/EEC	- Assurance of production quality in accordance with ISO 9001	- elebia® is a member of F.E.M. (European Federation of Materials Handling)
- UNE-EN ISO 12100-1	- D89/391/EEC	- D92/58/EEC 9ª		- 100% of the hooks are load tested at 125% WLL and magnetic particles inspected.

