

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

Stevedore, windpower, steel mills, mining, aeronautics, nuclear, construction... No matter what your industry is **elebia®** will boost the safety and productivity of your cranes

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smart lifting solutions

Applus⁺

CE

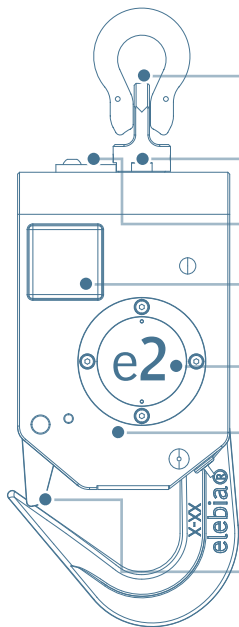
ROHS

FEM

AEM
Asociación Española
de Mantenimiento

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

Technical drawing of the elebia e2 remote control receiver and its corresponding remote control. The receiver is shown in a side profile with dimensions A through J. The remote control is shown in a top-down view with dimensions C, D, and E. The receiver has a circular antenna and a small display. The remote control has a single button and a battery compartment. The brand name 'elebia' and the model 'e2' are visible on the receiver, and 'the remote lock' is visible on the remote control.

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

Remote control



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

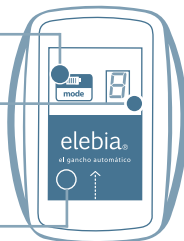
Mode button: opens the hook

'0' to '9' – battery level

'C' – Check / Maintenance

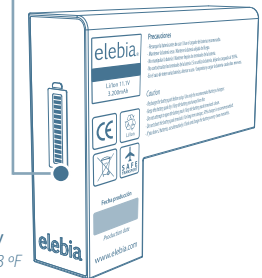
'.' – ring in position (only for units with magnet sensor)

elebia button: closes the hook



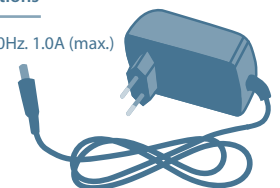
Charge indicator

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



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)

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	- Assurance of production quality in accordance with ISO 9001	- elebia® is a member of F.E.M. (European Federation of Materials Handling)
- UNE-EN 1050	- UNE-EN 61000-6-2	- D89/656/EEC		- 100% of the hooks are load tested at 125% WLL and magnetic particles inspected.
- UNE-EN ISO 12100-1	- D89/391/EEC	- D92/58/EEC 9ª		

FC CE ARIB

Disclaimer: This leaflet is for information only. The manufacturer reserves the right to modify specifications.