

elebia®

smart lifting solutions



Smaller, Lighter, Tougher, and More Efficient

The evo2 is an automatic crane hook, which, like the rest of the range of our evo lifting hooks for cranes, attaches and releases the load remotely with no additional handling, minimising risks, enhancing safety and increasing productivity in your lifting operations.



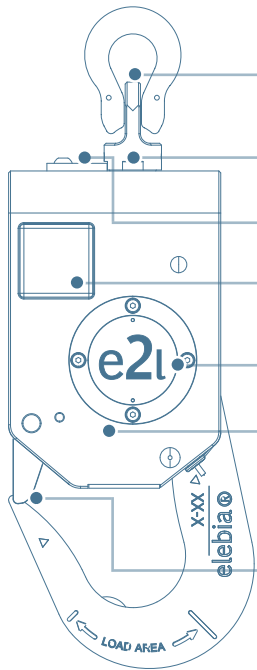
For more information visit us at www.elebia.com

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

Main Features of the evo2 Automatic Crane Hook

**WORKING
LOAD LIMIT** **2,500 kg / 5.511 lbs.**

**APPROXIMATE
RELEASABLE WEIGHT** **8 kgs.
17.64 lbs.**



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.

Remote Control



Display Information

Open Button

Close Button

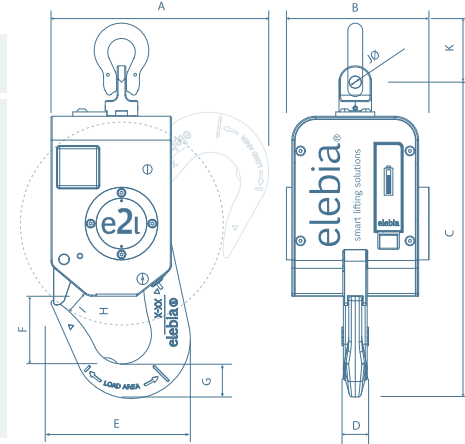


Power Supply	1x 3V lithium battery (CR2032)
Detection of Errors in Transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency Selection	5
Frequencies	868 MHz / 924.1 MHz
Communication	Bi-directional return of receiver battery status
Radiated Power	under 5dBm
Antenna	Printed circuit
Range	100 metres / 330 feet
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)

Top link option / Size chart

(mm / inches)

	evo2	evo2L
A	188 / 7.40	215,3 / 8.47
B	131,5 / 5.18	131,5 / 5.18
C	269,3 / 10.60	294,4 / 11.59
D	22 / 0.87	22 / 0.87
E	120,9 / 4.76	129 / 5.07
F	42,5 / 1.67	59 / 2.32
G	28,8 / 1.13	32 / 1.25
H	26,7 / 1.05	27,1 / 1.06
I	21,3 / 0.84	21,5 / 0.84
J	11 / 0.43	11 / 0.43



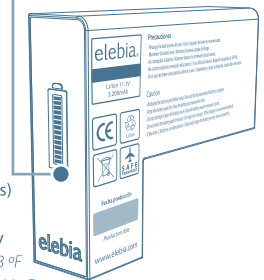
Weight: 8,5 kg / 19 lbs

K	- / -	55 / 2.16	111 / 4.37	161 / 6.34	178 / 7
	--	Ω	P2	ML3.15	ML5.4

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

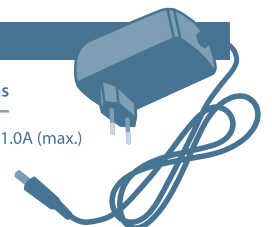
Charge Indicator

Technology	Rechargeable Li-Ion
Maximum Voltage	12.6 V DC
Nominal Voltage	10.8 V DC
Nominal Capacity	3.4 / 36.72 Wh
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	8 A for 1 second (idle 5s)
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	200 g aprox. / 7.05 oz



220V Charger

Specifications	Technical Specifications
Input Voltage	100-240 V AC / 50-60Hz. 1.0A (max.)
Output	12.6 V DC / 1.2 A
Charge Indicator	No
Charge Complete Indicator	No



Regulatory Standards

- ASME B30.10-2009 - ASME B30.20-2010 - EN 10204 3.1.B - D89/391/EEC - D89/654/EEC - D89/655/EEC - D89/656/EEC - D92/58/EEC 9a	- UNE-EN 1050 - UNE-EN 1677-1:2001 + A1:2009 - UNE-EN 1677-2:2001 + A1:2008 - UNE-EN 60204-1:2007 - UNE-EN 61000-6-4:2007 - UNE-EN 61000-6-2:2006 - UNE-EN ISO 12100:2012 - UN 38.3	- Directive on Machine Safety (D2006/42/EC) - EMC Directive (2014/30/EU) - Low Voltage Directive (2014/35/EU) - Radio Equipment Directive (2014/53/EU) - Assurance of Production Quality in accordance with ISO9001. - ARIB Construction Design Certification Number 203-JN0689. - FCC Identifier 2ACLEHO for Equipment Class: Digital Transmission System.
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