

# elebia®

the safety hook



elebia® autohook, the unique crane hook that allows you to remotely attach and release the load with no handling, now proudly presents the second generation of elebia® autohooks. Completely redesigned, to improve every single specification: Swivel basket with bearings / Improved motor (release up to 20Kg, clutch protected) / Improved battery (easy insert, LED charge indicator, on/off button, 250h Standby) / WELDOX® high strength steel body / Reinforced safety latch / Hidden antenna / Improved magnet (better performance, sensor indicates ring or sling is in position)

Visit us at [www.elebia.com](http://www.elebia.com) and see the system working on video.



e20  
20.000Kg

e10  
10.000Kg

e5  
5.000Kg



## elebia® does the rigging for you

1.

the magnet attracts the ring...



2.

...adjust the lifting hook...



3.

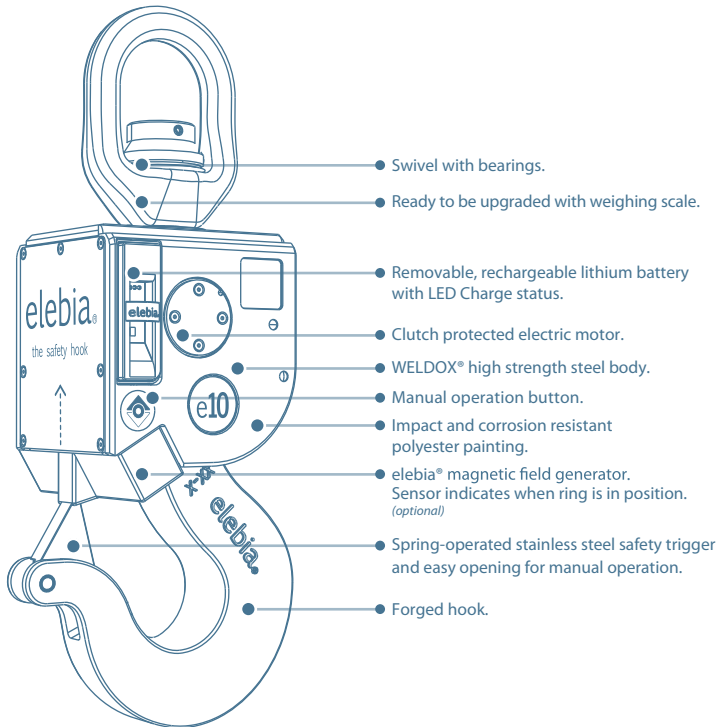
...and elevate the load.



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

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## Main features of the elebia® e5 / e10 / e20



	e5	e10	e20
A	276 / 10,87	342 / 13,46	342 / 13,46
B	172,5 / 6,79	182,5 / 7,18	182,5 / 7,18
C	469 / 18,46	584 / 23,99	663 / 26,10
D	409 / 16,10	485 / 19,10	553 / 21,77
E	194 / 7,64	246 / 9,68	246 / 9,68
F	43 / 1,70	66 / 2,60	66 / 2,60
G	48,5 / 1,91	67,8 / 2,67	105 / 4,13
H	57,6 / 2,26	84 / 3,31	84 / 3,31
I	25,7 / 1,01	42,6 / 1,68	42,6 / 1,68
J	41,4 / 1,63	72 / 2,83	72 / 2,83
K	58 / 2,28	82 / 3,23	115 / 4,53
L	349 / 13,74	400 / 15,75	479 / 18,86

mm / inches

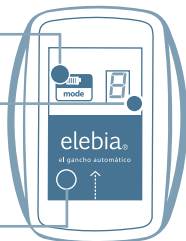
Model:	e5	e10	e20
Working Load Limit:	5Tn	10Tn	20Tn
Approximate weight:	24 Kg / 52,91Lbs	35 Kg / 77,17Lbs	40 Kg / 88,18Lbs
Maximum releasable weight	20 Kg / 44,10Lbs	20 Kg / 44,10Lbs	20 Kg / 44,10Lbs
Explosive atmospheres:	Not suitable	Not suitable	Not suitable

Safety factor 4:1 - IP65 - Working temp. range -20/+85 °C / -4/185 °F

## Remote control



- Mode button: open the hook
- '0' to '9' – battery level
- 'C' - Check / maintenance
- '.' ring in position (only units with magnet sensor)
- elebia button: closes the hook



Power supply	1 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 freq. upon 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 5 dBm
Antenna	Printed circuit
Range	100 metres / 330 Feet
Consumption at rest	5 uA
/ transmission operation	/ 20 mA
Working temperature	-20 to +85°C / -4 to 185 °F
Dimensions	Minitel box (68 x 52 x 17 mm / 2,68 x 2,05 x 0,67 inches)

## Battery

LED charge indicator	on/off
Technology	LI-ION
Capacity	2.200 mA/h
Charging time	3 hrs
Capacity:	Stand by 240h Cycles 4000
Tcharge	0 to +40 °C / 32 to 104 °F
Tdischarge	-20 to +60 °C / -4 to 140 °F
Tstorage	-20 to +50 °C / -4 to 122 °F
Cells	6 (serial)
Vn	22,2 V
Vmax/min	25,3 / 17 V

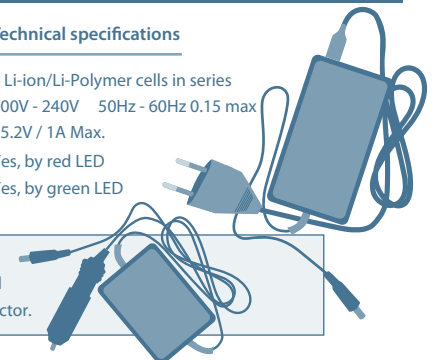


## 230v Charger / 24V cc Charger

Specifications	Technical specifications
Number of cells	6 Li-ion/Li-Polymer cells in series
Input voltage	100V - 240V 50Hz - 60Hz 0.15 max
Output	25.2V / 1A Max.
Charge indicator	Yes, by red LED
Charge complete indicator	Yes, by green LED

### IMPORTANT

This adapter/charger should be used only in vehicles with a 24-volt connector.



## Regulatory Standards

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