elebia®

smart lifting solutions

PRODUCT CATALOGUE



ABOUT ELEBIA

Elebia is the pioneer in automatic lifting hook technology.

Our mission is simple:
to keep operators away from the load and the hook — and make every crane operation safer.



Founded in 2006 after identifying a critical gap in the industry — cranes were becoming increasingly automated, yet operators still had to physically climb up to hook loads — Elebia was born out of a need for a smarter, safer solution. The first working automatic hook ever developed was built from Lego Technic pieces. By 2007, the concept was patented. By 2009, the world's first automatic lifting hook for cranes, the e5, was ready for market.



Since then, we have never stopped innovating. From the evo range and NEO lifting hooks to automatic lifting clamps, remote controls, and purpose-built solutions for offshore environments, every product we develop is engineered with one goal in mind: **to boost the safety and productivity of crane operations — removing operators from the danger zone and eliminating costly manual handling.**

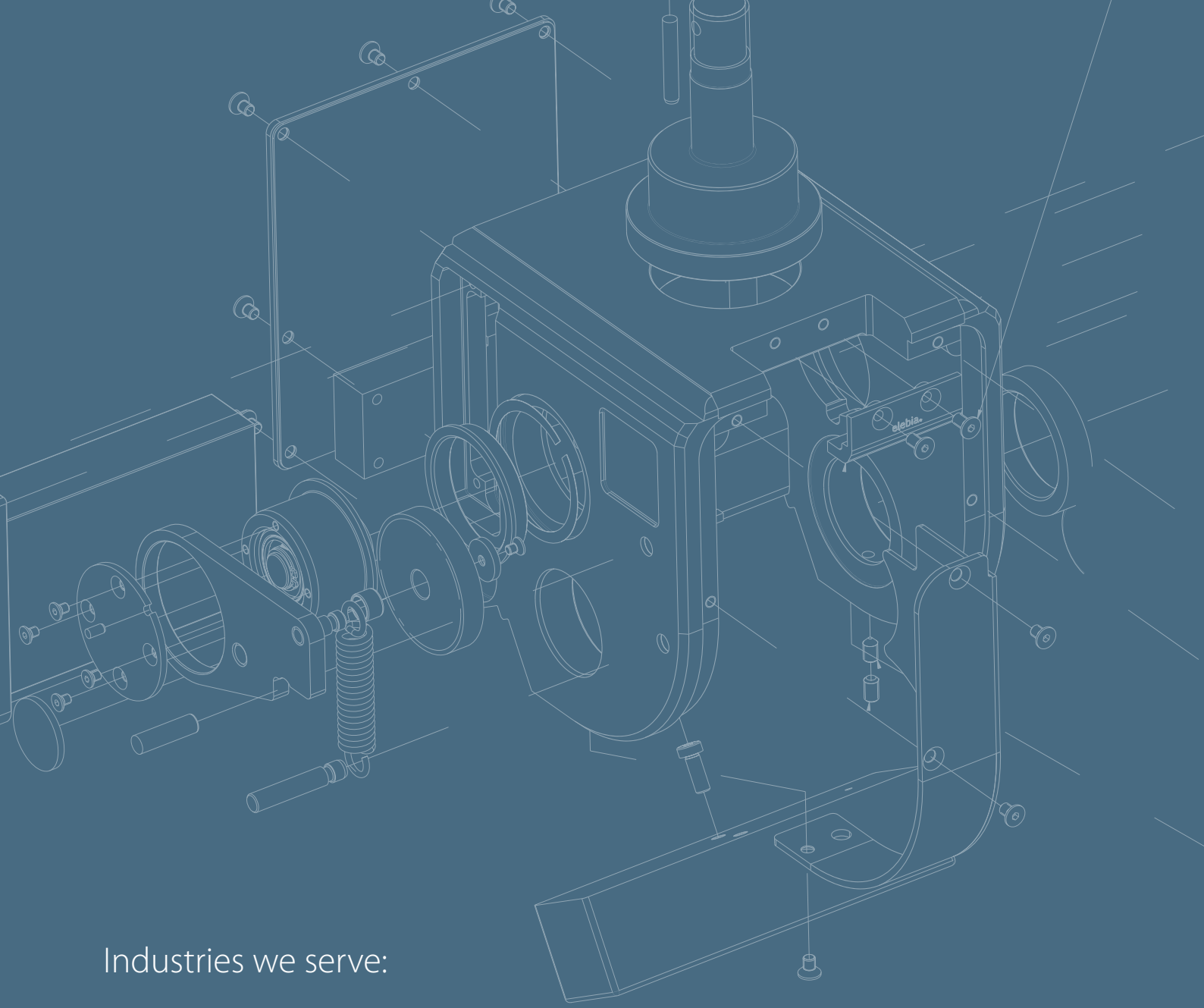
Today, Elebia solutions are trusted by global industry leaders including Rolls-Royce, SpaceX, ArcelorMittal, Boeing, Airbus, Siemens and Tenaris, across more than 50 countries worldwide.

+20 YEARS
of innovation

+50 COUNTRIES
worldwide

+5,000 HOOKS
in operation

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smart lifting solutions



Industries we serve:

- STEVEDORE / PORT
- WIND POWER
- STEEL MILLS
- MINING
- AERONAUTICS
- NUCLEAR
- CONSTRUCTION
- OFFSHORE
- HEAVY INDUSTRY

elebia will boost the safety and productivity of your cranes

OUR SOLUTIONS

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evo2 / evo2L

AUTOMATIC CRANE HOOK

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.



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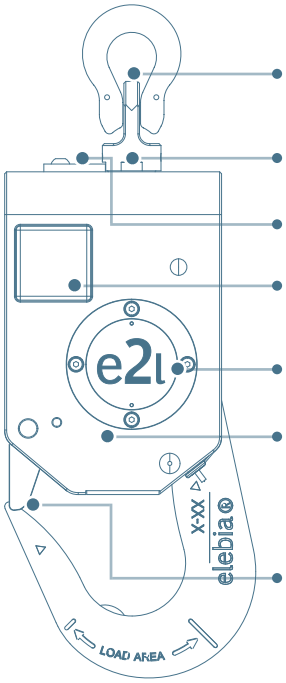




Main Features of the evo2 Automatic Crane Hook

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 90º 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.

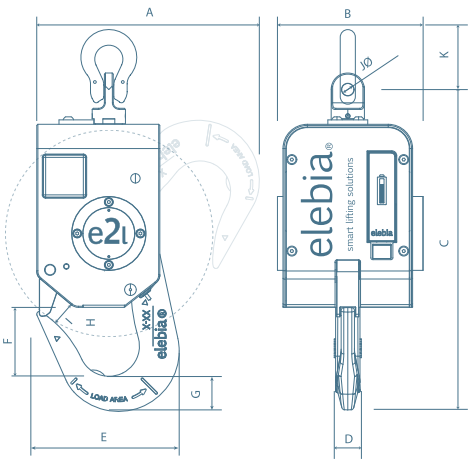
Automatic Latch
The latch retracts automatically while the hook opens. This way, it remains hidden and protected.

Top link option / Size chart

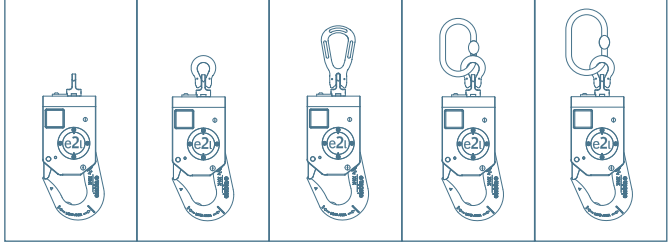
Weight: 8,5 kg / *19 lbs*

(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*



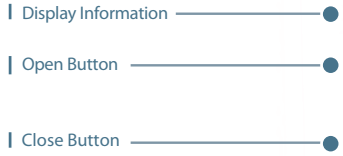
K	- / -	55 / *2.16*	111 / *4.37*	161 / *6.34*	178 / *7*
	---	Ω	P2	ML3.15	ML5.4

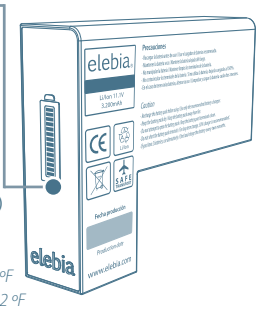


Remote Control

IP65

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

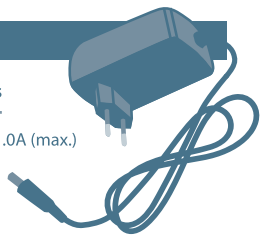




Technology	Rechargeable Li-Ion
Maximum Voltage	12.6 V DC
Nominal Voltage	10.8 V DC
Nominal Capacity	3.4 / 36.72 Wh
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	8 A for 1 second (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

Power Supply	CR2032 lithium battery
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	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Dimensions	Minitel box (68 x 52 x 17 mm / *2.68 x 2.05 x 0.67 inches*)

100 - 240V 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 ISO12100:2012
- 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 2ACLHEVO for Equipment Class: Digital Transmission System.

elebia.com/crane-hook-evo2-evo2l/

evo 5-25

AUTOMATIC CRANE HOOK

evo Automatic Crane Hooks

The unique automatic crane hook that allows you to attach and release the load remotely, avoiding additional handling. Minimise risks, enhance safety and increase productivity in your lifting operations.



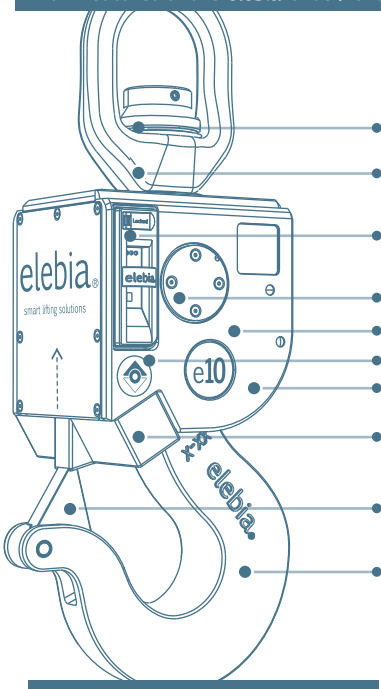
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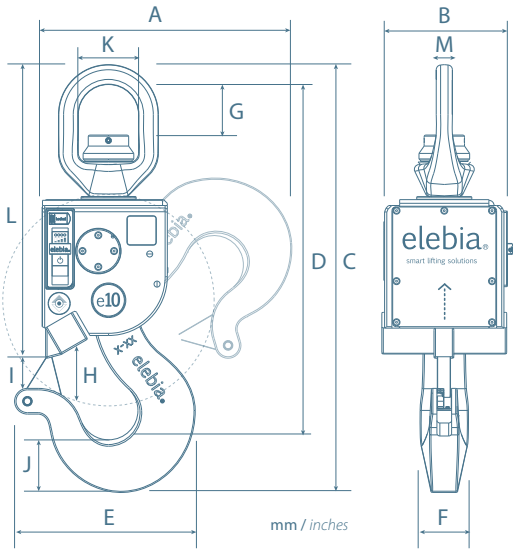




Main features of the elebia evo5 / evo10c / evo10 / evo20c / evo20 / evo25 automatic hooks



- Swivel with bearings
  If required, the swivel can be set in a fixed position (optional)
- Ready to be upgraded with a weighing scale
- Removeable and rechargeable lithium battery with LED charge indicator and locking system
- Clutch protected electric motor
- WELDOX® high strength steel body
- Manual operation button
- Impact and corrosion resistant polyester coating
  If required, coating for marine environments is available (optional)
- magnetic field generator
  If required, sensor will indicate when ring is in position (optional)
- Spring-operated safety latch
- Forged hook



	evo5	evo10c	evo10	evo20c	evo20	evo25
A	277 / *10.91*	277 / *10.91*	342 / *13.46*	311 / *12.24*	341 / *13.43*	341 / *13.43*
B	170 / *6.69*	170 / *6.69*	182.3 / *7.18*	182,3 / *7.18*	182.3 / *7.18*	182.3 / *7.18*
C	469 / *18.46*	519.8 / *20.46*	584 / *23.99*	624 / *24.57*	663 / *26.10*	735 / *28.94*
D	409 / *16.10*	451.3 / *17.76*	485 / *19.10*	520 / *20.47*	553 / *21.77*	618 / *24.33*
E	194 / *7.64*	194 / *7.64*	246 / *9.68*	226 / *8.90*	246 / *9.68*	246 / *9.68*
F	43 / *1.70*	43 / *1.70*	66 / *2.60*	66 / *2.60*	66 / *2.60*	66 / *2.60*
G	48.5 / *1.91*	68 / *2.68*	68 / *2.68*	105 / *4.13*	105 / *4.13*	138.5 / *5.45*
H	57.6 / *2.26*	57.6 / *2.26*	83 / *3.27*	50 / *1.97*	83 / *3.27*	83 / *3.27*
I	25 / *0.98*	25 / *0.98*	42 / *1.65*	42 / *1.65*	42 / *1.65*	42 / *1.65*
J	41 / *1.61*	41 / *1.61*	72 / *2.83*	66 / *2.60*	72 / *2.83*	72 / *2.83*
K	58 / *2.28*	82 / *3.23*	82 / *3.23*	115 / *4.53*	115 / *4.53*	133 / *5.24*
L	349 / *13.74*	400.4 / *15.76*	400.4 / *15.76*	480 / *18.90*	480 / *18.90*	550/ *21.65*
M	15 / *0.59*	22 / *0.87*	22 / *0.87*	29 / *1.14*	29 / *1.14*	34 / *1.34*

Remote Control



- Display Information
- Open Button
- Close Button

Power Supply	CR2032 lithium battery
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	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Dimensions	Minitel box (68 x 52 x 17 mm / *2.68 x 2.05 x 0.67 inches*)

100 - 240V Charger

Specifications	Technical Specifications
Input Voltage	100V - 240V 50Hz - 60Hz 0.15 max
Output	25.2V / 1A
Charge Indicator	Yes, by red LED
Charge Complete Indicator	Yes, by green LED



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

- Led Charge Indicator
- ON/OFF

Technology	Rechargeable Li-Ion
Maximum Voltage	25.2 V DC
Nominal Voltage	22.2 V DC
Nominal Capacity	2.6 Ah / 56.16 Wh
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	7.8 A for 1 second (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Display ON 4 LED (25%-50%-75%-100%)
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	400 g aprox / *14.10 oz*



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 ISO12100:2012
- 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 2ACLHEVO for Equipment Class: Digital Transmission System.
- DNV GL Certified (evo5 / evo10 / evo20)

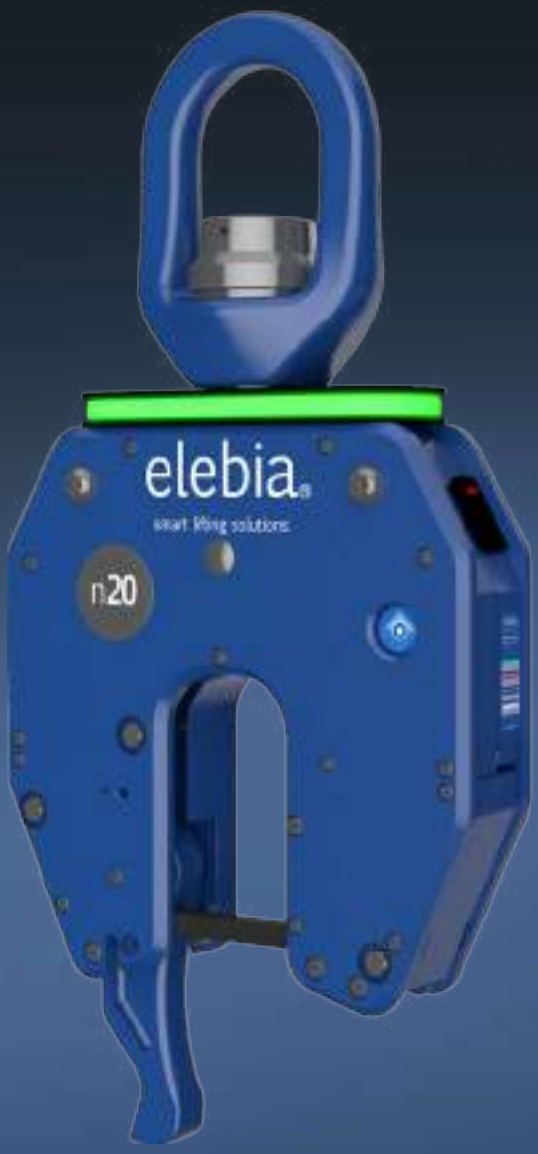
elebia.com/crane-hook-evo5-evo25

neo20s

NEO LIFTING HOOK

Neo lifting hook

The NEO20s lifting hook has been designed to lift and transport shackles, as well as oversized lifting points (Ø40 mm to Ø75 mm), such as rods between plates, holes in a plate, chain slings, lifting hooks and other oversized lifting points. For different specifications, please consult our engineering department.





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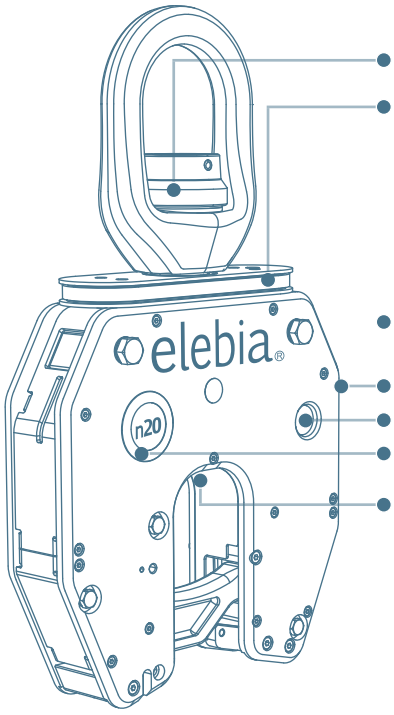




Main Features of the NEO20S Lifting Hook

WORKING LOAD LIMIT **20,000 kg /** *44,093 lbs.*

Weight: 56 kg / *123 lbs*



- Swivel with Bearings
- High Brightness LED Status Indicator*

  Green: Lifting Hook is Open / Release Load.

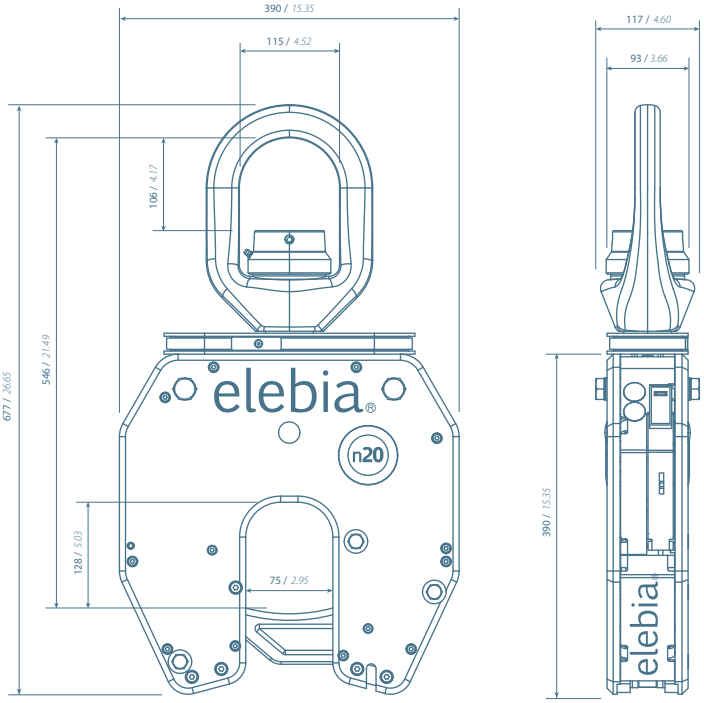
  Red: Intermediate: Do Not Lift!

  Blue: Lifting Hook is Closed / Lift & Manoeuvre Load.

  White: Low battery.
- Ready to be upgraded with a weighing scale
- High Capacity Battery
- Manual Operation Button
- Position Encoder
- Autoclose Sensor*

  A contact sensor detects when load is in position and NEO20S closes automatically.

** This feature is optional*



mm / *inches*

Remote Control

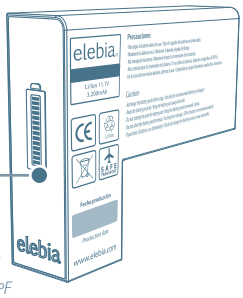
IP65

- Display Information
- Open Button
- Close Button

Power Supply	CR2032 lithium battery
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	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Dimensions	Minitel box (68 x 52 x 17 mm / *2.68 x 2.05 x 0.67 inches*)

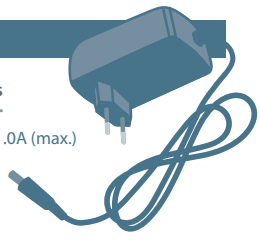
Battery - High capacity: 3 hour charge – 5,000 cycles / 250 hours in standby mode

- Charge Indicator



Technology	Rechargeable Li-Ion
Maximum Voltage	12.6 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 (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

100 - 240V 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

- EN 10204 3.1.B
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 1050
- UNE-EN 60204-1:2007
- UNE-EN 60730-1:2013
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- 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 2ACLHEVO for Equipment Class: Digital Transmission System.

elebia.com/neo20s-lifting-hook

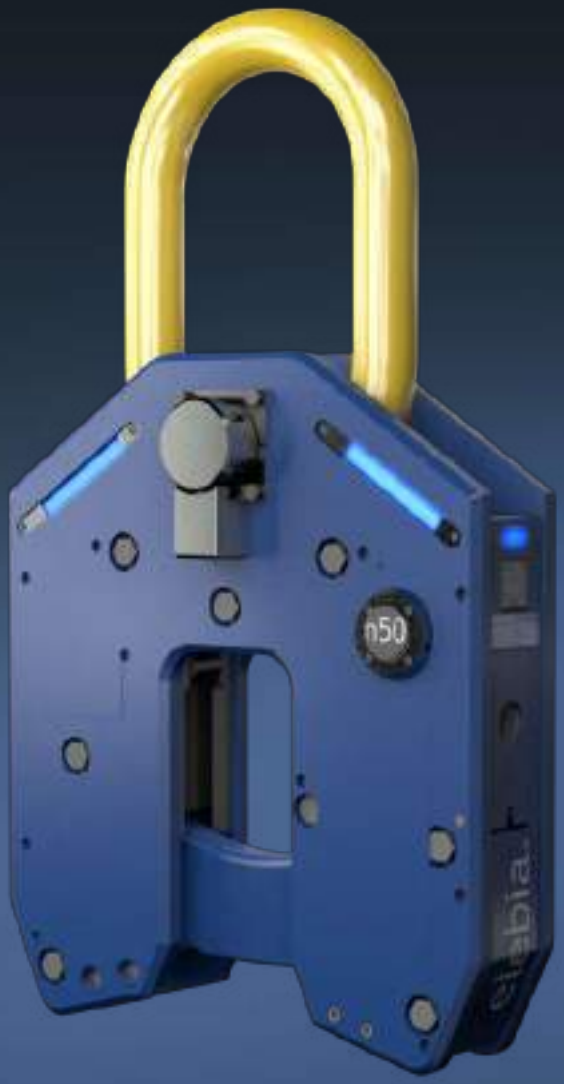
www.elebia.com

neo50 / 60

NEO LIFTING HOOK

Neo lifting hook

The Neo is a lifting device that allows you to safely attach and release the load remotely, avoiding additional handling. Specially designed to be used with oversized lifting points and narrow spaces. Minimise risks, enhance safety and increase productivity in your lifting operations.





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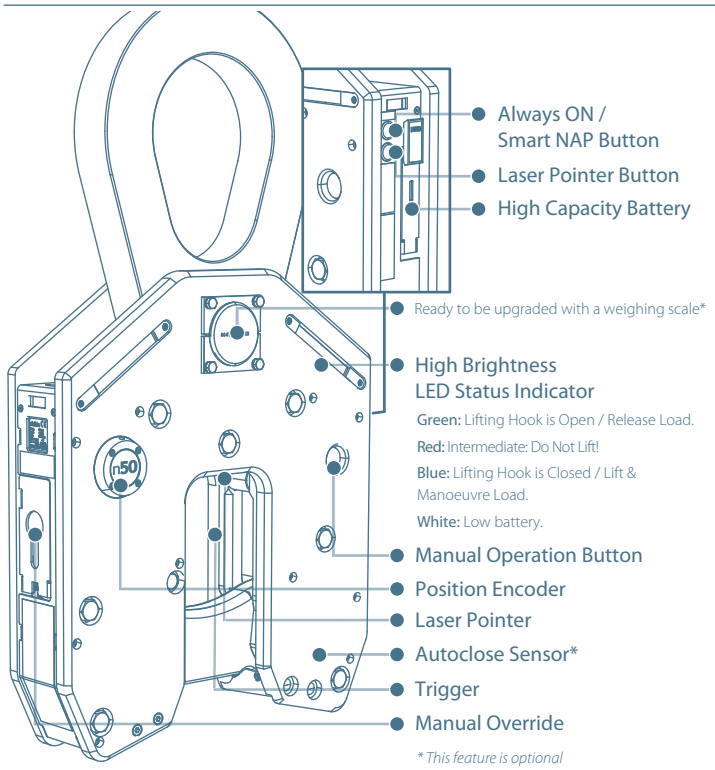




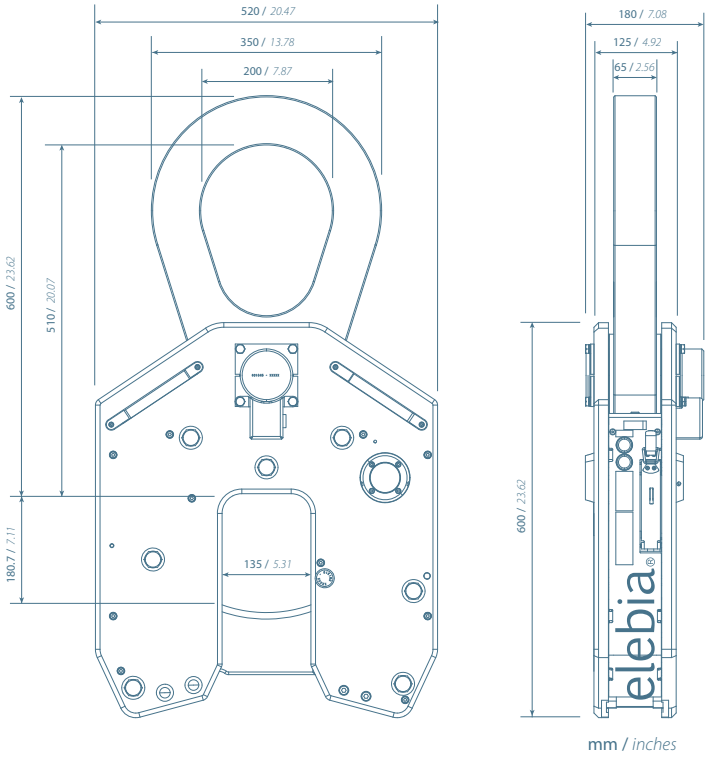
Main Features of the NEO50 & NEO60 Lifting Hooks

WORKING LOAD LIMIT **NEO50** **50,000 kg /** *110,231 lbs.* **NEO60** **60,000 kg /** *132,227 lbs.*

Weight: 142 kg / *315 lbs*



** This feature is optional*



mm / *inches*

Remote Control

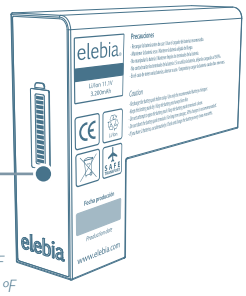
100m | IP65

- Display Information
- Open Button
- Close Button

Power Supply	CR2032 lithium battery
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	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Dimensions	Minitel box (68 x 52 x 17 mm / *2.68 x 2.05 x 0.67 inches*)

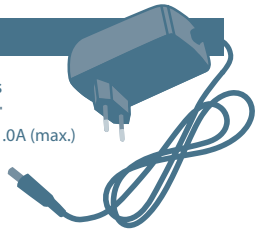
Battery - High capacity: 3 hour charge – 5,000 cycles / 250 hours in standby mode

- Charge Indicator



Technology	Rechargeable Li-Ion
Maximum Voltage	12.6 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 (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

100 - 240V 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

- EN 10204 3.1.B
- UNE-EN 1050
- UNE-EN 13135:2013
- UNE-EN 60730-1:2013
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 60204-1:2007
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- 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 2ACLHEVO for Equipment Class: Digital Transmission System.

elebia.com/lifting-hook-neo50

neo100

NEO LIFTING HOOK

Neo lifting hook

The Neo is a lifting device that allows you to safely attach and release the load remotely, avoiding additional handling. Specially designed to be used with oversized lifting points and narrow spaces. Minimise risks, enhance safety and increase productivity in your lifting operations.

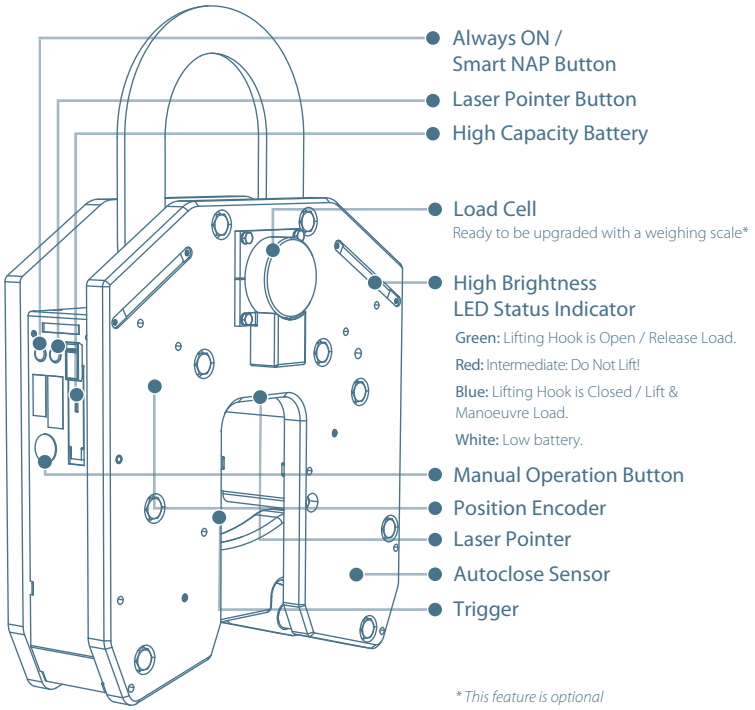


elebia®
smart lifting solutions

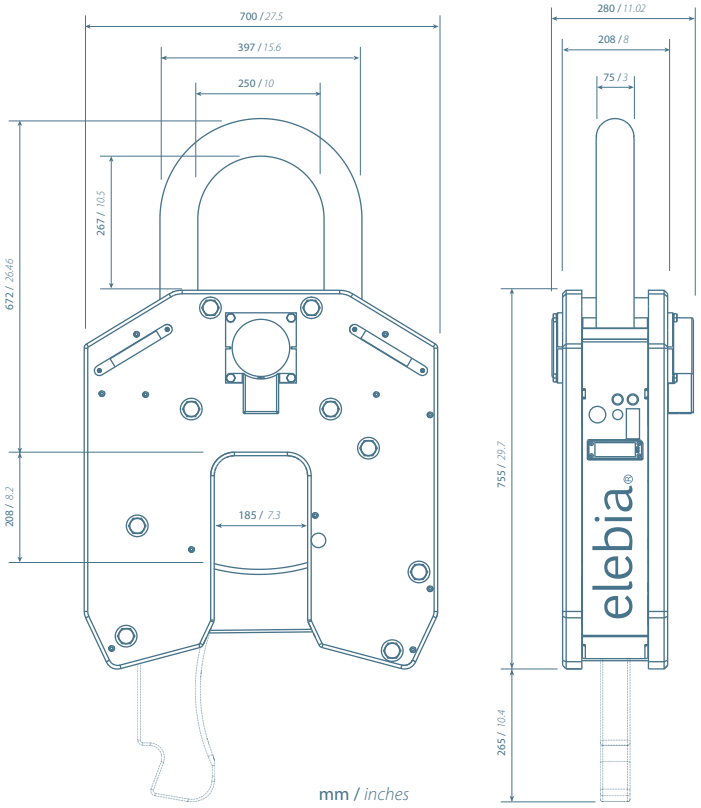
Main Features of the NEO100 Lifting Hook

WORKING LOAD LIMIT **100,000 kg /** *220,462 lbs.*

Weight: 450 kg / *992 lbs*



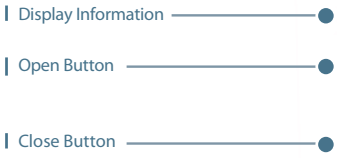
** This feature is optional*



mm / *inches*

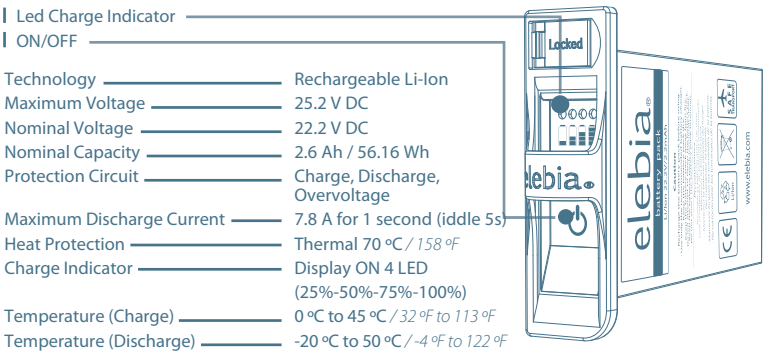
Remote Control





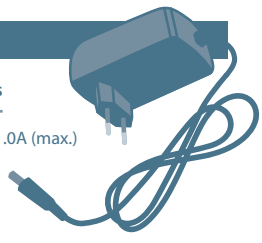
Power Supply	CR2032 lithium battery
Detection of Errors in Transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency Selection	5
Frequencies	868 MHz / 924.1 MHz
Communication	Bi-directional return of receiver battery
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
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



Technology	Rechargeable Li-Ion
Maximum Voltage	25.2 V DC
Nominal Voltage	22.2 V DC
Nominal Capacity	2.6 Ah / 56.16 Wh
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	7.8 A for 1 second (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Display ON 4 LED (25%-50%-75%-100%)
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	400 g aprox / *14.10 oz*

100-240V Charger



Specifications	Technical Specifications
Input Voltage	100-240 V AC / 50-60Hz. 1.0A (max.)
Output	25.2 V DC / 1 A
Charge Indicator	No
Charge Complete Indicator	No

Regulatory Standards

- EN 10204 3.1.B
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 1050
- UNE-EN 60204-1:2007
- UNE-EN 60730-1:2013
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- 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 2ACLHEVO for Equipment Class: Digital Transmission System.

elebia.com/lifting-hook-neo100

R2

QUICK RELEASE HOOK

Safer. Faster. Smarter.

Engineered for High-Efficiency Release Operations. Lightweight & Tough: Built to perform in any environment. Non-stop productivity with quick-swap battery system.



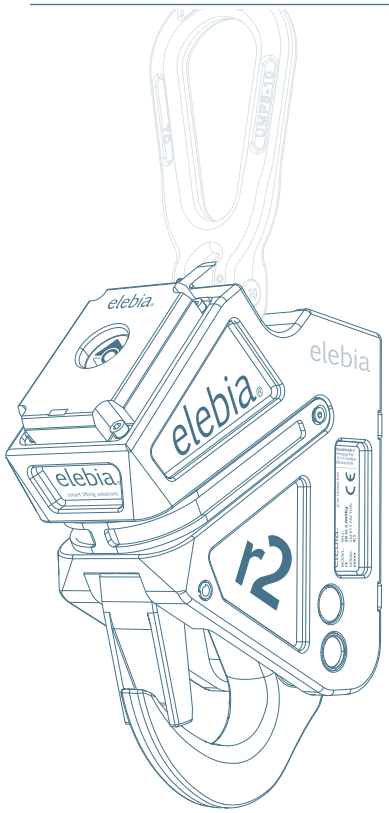
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smart lifting solutions

Main Features of the r2 Lifting Hook

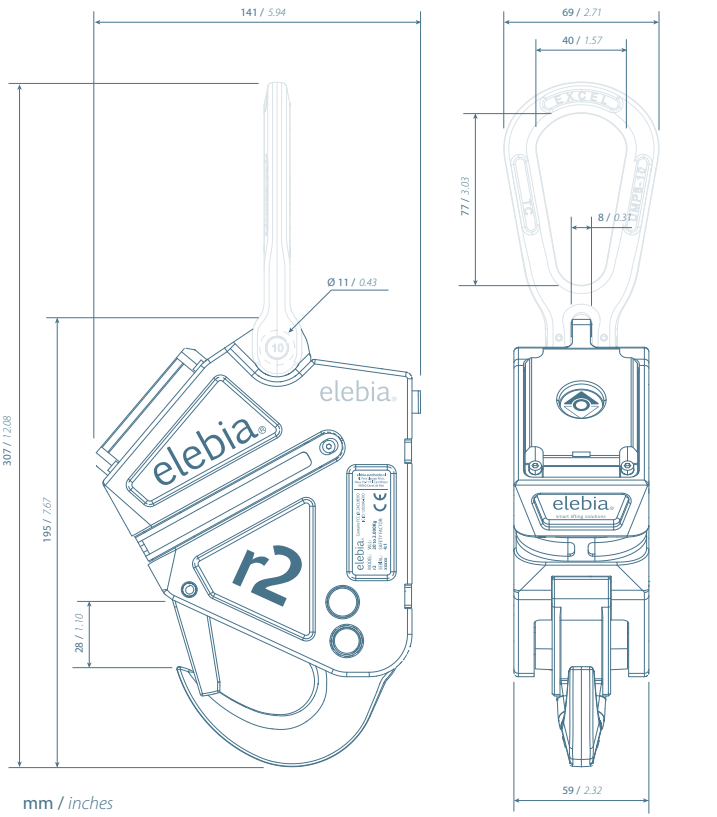
WORKING LOAD LIMIT **20 to 2,000 kg /** *44.09 to 4,409 lbs.*

*The masterlink is not included

Weight: 4 kg / *8,82 lbs*



- **Radio controlled**
  Wireless operation via eMINI, eMAX, eLINK or Crane integration (eINST)
- **Open/Close button**
  Manual override when needed
- **On/Off switch**
  Quick and convenient startup and shutdown
- **Tool-Free Battery Swap**
  Long runtime for non-stop operations
- **Rugged High-Strength Steel Frame**
  Engineered to withstand impact, corrosion, and wear in the most demanding industrial environments
- **Altimeter** Enables altitude-based auto locking for safe automation
- **Double Encoder**
  Redundant position verification for fail-safe performance
- **Led Status**
  Real-time visual operational feedback
  GREEN: Release/Unlocked
  RED: Transition
  BLUE: Lift/Locked
  WHITE: Low battery
- **Electric Motor**
  Controls lock mechanism. Disables release under load
- **Safe Release Sensor**
  Confirms ground contact before allowing release
- **Smart Power Management**
  Operational Eco Modes extend battery performance by dynamically regulating sleep cycles and LED activity



mm / *inches*

Remote Control (Not included)

IP65 | 100m

Base model recommended eMINI

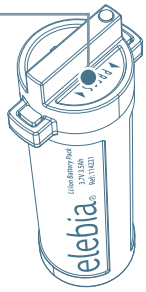
- Display Information
- Open Button
- Close Button

Power Supply	CR2032 lithium battery
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
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Dimensions	Minitel box (68 x 52 x 17 mm / *2.68 x 2.05 x 0.67 inches)*

Other compatible options: eMAX, eLINK (advanced control & diagnostics), eINST (panel integration; can inhibit hoisting with the hook in intermediate position).

Battery R2 (Not included)

- Charge Indicator



Cell Model:	INR18650MJ1
Pack configuration:	1S1P
Nominal voltage:	3.7 V
Nominal capacity:	3,500 mAh
Energy:	13 Wh
Charge voltage:	4.2 V CC/CV
Max charge current:	2 A (limited by BMS)
Max continuous discharge current:	3 A (limited by BMS))
Overcharge protection voltage:	4.25 V
Overdischarge protection voltage:	2.80 V
Charging temperature:	0 °C to 45 °C / *32 °F to 113 °F*
Discharging temperature:	-20 °C to 60 °C / *-4 °F to 140 °F*
Storage temperature:	-20 °C to 45 °C (up to 3 months) -20 °C to 20 °C (up to 1 year)
Cycle life:	≥ 400 cycles
IP rating:	IP65
Dimensions:	71 × 19 × 19 mm / *2.80 × 0.75 × 0.75 in*
Weight:	0.05 kg / *1.76 oz*

Charger (only the one supplied by elebia) USB-C input: 5 Vdc >4.2 A

Regulatory Standards

- EN 10204 3.1.B
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 1050
- UNE-EN 60204-1:2007
- UNE-EN 61000-6-4:2007 (EMC – Emissions)
- UNE-EN 61000-6-2:2006 (EMC – Immunity)
- UNE-EN ISO 12100:2012 (Risk assessment)
- UN 38.3 (lithium battery transport)
- ISO 9001 – Production quality assurance
- Machinery Directive 2006/42/EC
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- Radio Equipment Directive (RED) 2014/53/EU
- ARIB Construction Design Certification Number 203-JN0689.
- FCC ID 2ACLHEVO – Digital Transmission System

elebia.com

www.elebia.com

c5 / c6

COMPACT AUTOMATIC SHACKLE

Automatic lifting clamps

The C5 & C6 automatic lifting clamps are ideal for lifting and moving steel plates, beams or pipes thanks to the remote release feature and its fail-safe design. Lift and transport with the C5 & C6 automatic release clamps in a safe and secure manner, minimising risks, enhancing safety and increasing producitivity in your lifting operations



elebia®
smart lifting solutions

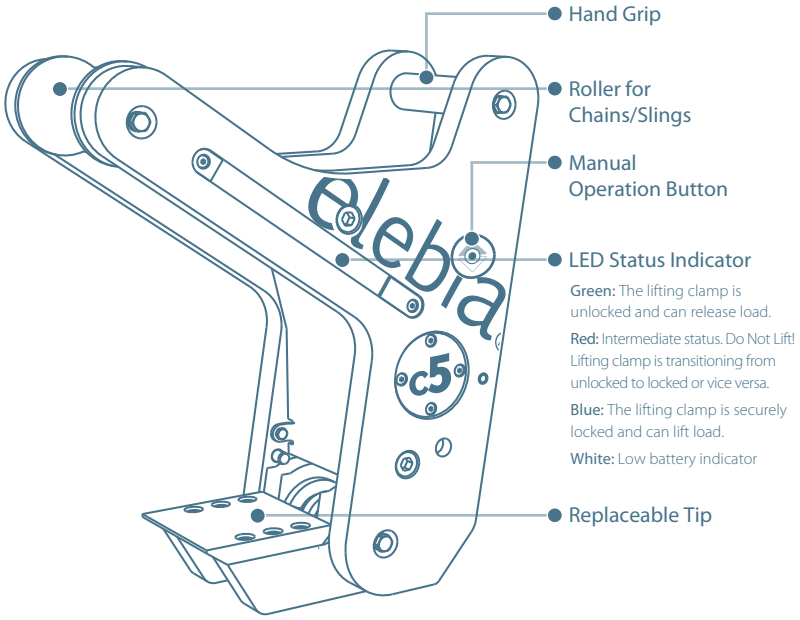


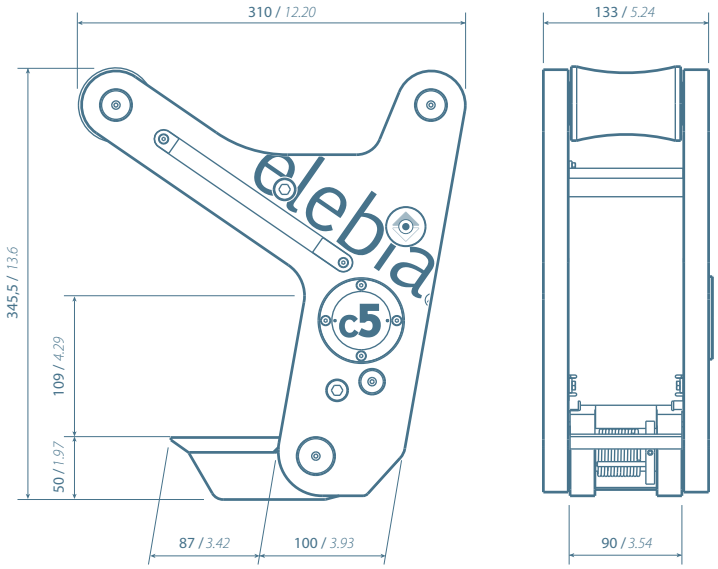


Main Features of the C5 & C6 Automatic Lifting Clamps

WORKING LOAD LIMIT **C5** **5,000 kg /** *11,023 lbs.* **C6** **6,000 kg /** *13,227 lbs.*

Weight: 19,26 kg / *123,46 lbs*

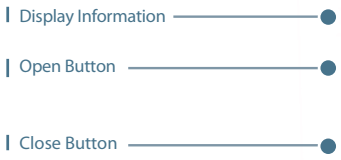




mm / *inches*

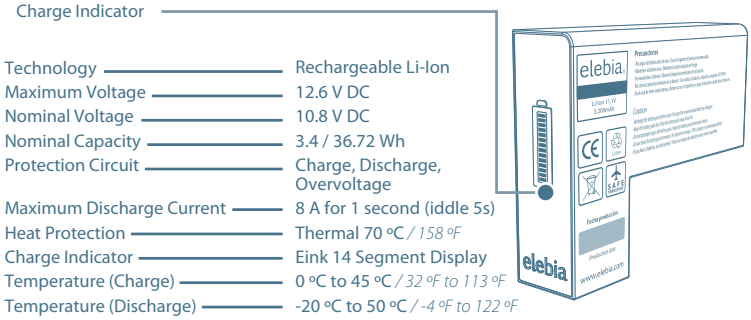
Remote Control





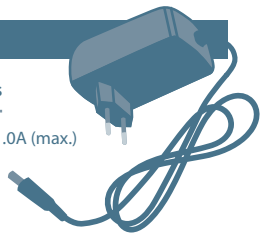
Power Supply	CR2032 lithium battery
Detection of Errors in Transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency Selection	5
Frequencies	868 MHz / 924.1 MHz
Communication	Bi-directional return of receiver battery
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
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



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 (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

100 - 240V 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 (C5)
ASME B30.20-2010 (C5)
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 13155:2004 + A2
UNE-EN 60204-1:2007
UNE-EN 61000-6-4:2007
UNE-EN 61000-6-2:2006
UNE-EN ISO12100:2012
UNE-EN-13155 (C6)
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 2ACLHEVO for Equipment Class: Digital Transmission System.

www.elebia.com/lifting-clamps

eTrack

RAIL LIFTING CLAMP

Automatic lifting clamps

The eTrack rail lifting clamp has been designed to ease the lifting, handling and transporting of singular rail sections safely and securely. With its 2,000 kgs./4,409 lbs. lifting capacity, and advanced productivity and safety features, the eTrack rail lifting clamp is the smartest solution for lifting and transporting train rails.



elebia®

smart lifting solutions

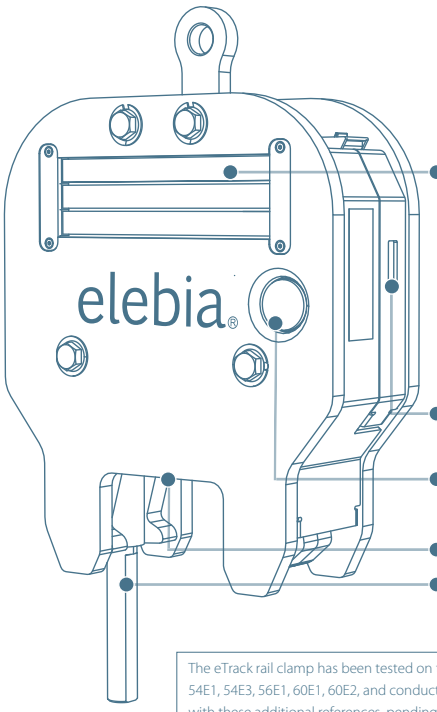




Main Features of the eTrack Rail Lifting Clamp

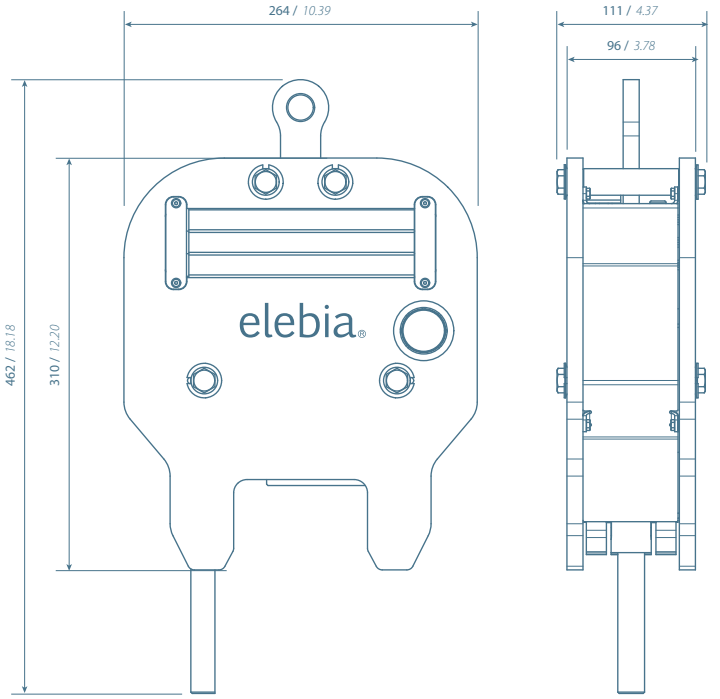
WORKING LOAD LIMIT **2,000 kg /** *4,409 lbs*

Weight: 17 kg / *37 lbs*



- **High Brightness LED Status Indicator**
  - **Green:** Rail Lifting Clamp is Unlocked / Release Load
  - **Red:** Intermediate: Do Not Lift!
  - **Blue:** Lifting Clamp is Locked / Lift & Manoeuvre Load.
  - **White:** Low Battery.
- **High Capacity Battery**
- **Manual Operation Button**
- **Autoclose Sensor**
- **Finger**
  Facilitates the hooking manoeuvre

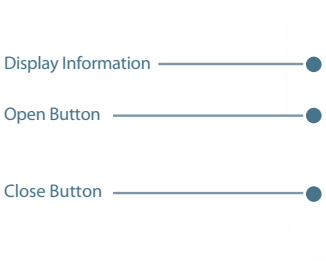
The eTrack rail clamp has been tested on the following rail profiles: 45E2, 49E1, 50E3, 54E1, 54E3, 56E1, 60E1, 60E2, and conductor rails 75. The eTrack clamp is likely compatible with these additional references, pending final testing: 49E1A2, 60E1A1, and 60E1A5.



mm / *inches*

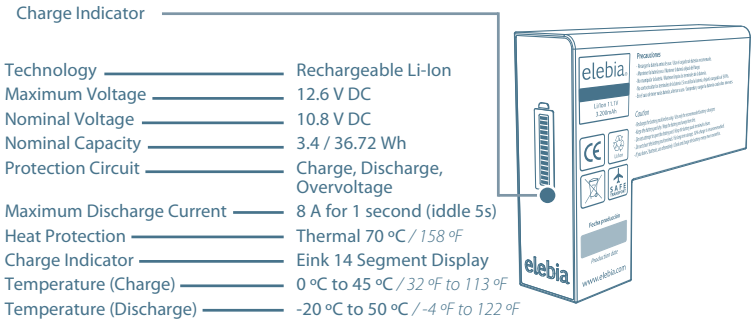
Remote Control





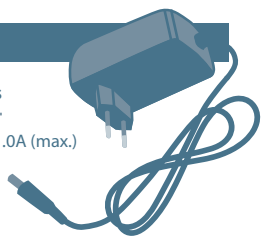
Power Supply	CR2032 lithium battery
Detection of Errors in Transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency Selection	5
Frequencies	868 MHz / 924.1 MHz
Communication	Bi-directional return of receiver battery
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
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



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 (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

100 - 240V 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

- EN 10204 3.1.B
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 1050
- UNE-EN 60204-1:2007
- UNE-EN 60730-1:2013
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- UN 38.3
- Directive on Machine Safety (D2006/42/EC)
- EMC Directive (2014/30/EU)
- Radio Equipment Directive (2014/53/EU)
- Low Voltage Directive (2014/35/EU)
- Assurance of Production Quality in accordance with ISO9001.
- ARIB Construction Design Certification Number 203-JN0689.
- FCC Identifier 2ACLHEVO for Equipment Class: Digital Transmission System.

www.elebia.com/rail-lifting-clamp

s40

HEAVY-DUTY AUTOMATIC SHACKLE

Automatic lifting clamps

The elebia Automatic Shackle can remotely hook and release any load. Thanks to its geometry and innovative magnetic system, the S40 finds its position and connects to the load. This industrial shackle comes equipped with advanced safety and productivity features, ensuring reliable performance.

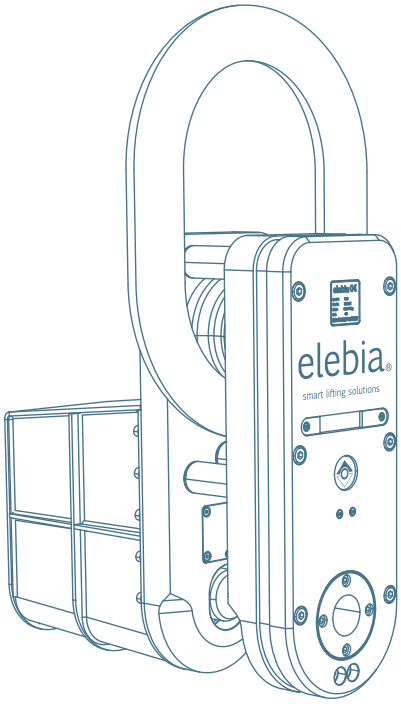


elebia®
smart lifting solutions

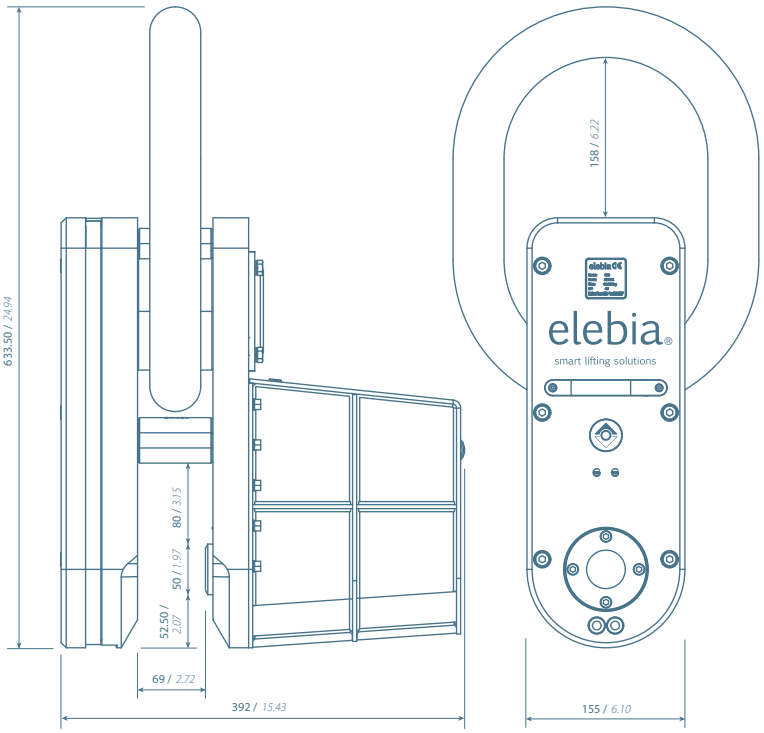
Main Features of the S40 Automatic Shackle

WORKING LOAD LIMIT **40,000 kg /** *88,184 lbs*

Weight: 95 kg / *209 lbs*

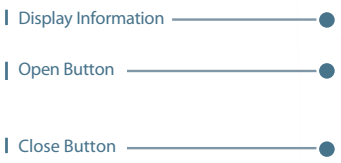


- **Masterlink**
  Can be customized
- **Battery powered**
- **Sweet spot indicator**
  The "sweet spot" indicates , using LEDs, the precise moment to release the load . If the position is not correct (load suspended or S40 resting on the load), the S40 will not attempt to open, and a slight height adjustment will be needed to regain this ideal point.
- **High Brightness LED Status Indicator**
  The S40 carries a High-Brightness LED status indicator, an additional safety measure which shows the status at all times with a bright 4 colour-code scheme visible from the operator's position.
- **Autoclose**
  Ready to be upgraded with a weighing scale



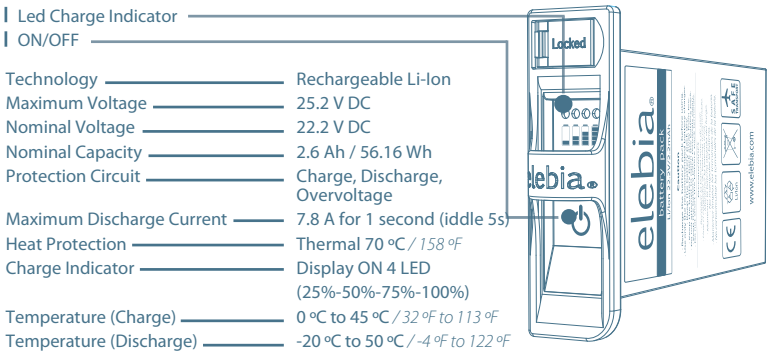
Remote Control





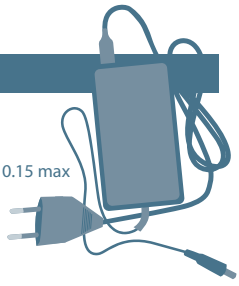
Power Supply	CR2032 lithium battery
Detection of Errors in Transmission	2 CRC bytes + Forward Error Correction
Buttons	2
Frequency Selection	5
Frequencies	868 MHz / 924.1 MHz
Communication	Bi-directional return of receiver battery
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres */ 330 feet*
Working Temperature	-20 ºC to 60 ºC */ -4 ºF to 140 ºF*
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



Technology	Rechargeable Li-Ion
Maximum Voltage	25.2 V DC
Nominal Voltage	22.2 V DC
Nominal Capacity	2.6 Ah / 56.16 Wh
Protection Circuit	Charge, Discharge, Overvoltage
Maximum Discharge Current	7.8 A for 1 second (iddle 5s)
Heat Protection	Thermal 70 ºC */ 158 ºF*
Charge Indicator	Display ON 4 LED (25%-50%-75%-100%)
Temperature (Charge)	0 ºC to 45 ºC */ 32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC */ -4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC */ -4 ºF to 140 ºF*
Weight	400 g aprox */ 14.10 oz*

100 - 240V Charger



Specifications	Technical specifications
Input voltage	100V - 240V 50Hz - 60Hz 0.15 max
Output	25.2V / 1A
Charge indicator	Yes, by red LED
Charge complete indicator	Yes, by green LED

Regulatory Standards

- EN 10204 3.1.B
- UNE-EN 1050
- UNE-EN 60204-1:2007
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- UN 38.3
- D89/391/EEC
- D89/654/EEC
- D89/655/EEC
- D89/656/EEC
- D92/58/EEC 9a
- Directive on Machine Safety (D2006/42/EC)
- EMC Directive (2014/30/EU)
- Radio Equipment Directive (2014/53/EU)
- Low Voltage Directive (2014/35/EU)
- Assurance of Production Quality in accordance with ISO9001.
- ARIB Construction Design Certification Number 203-JN0689.
- FCC Identifier 2ACLHEVO for Equipment Class: Digital Transmission System.

elebia.com/automatic-shackle-s40

d10
DROP TEST HOOK

Remote Load Dropping with the D10 Automatic Drop Test Hook

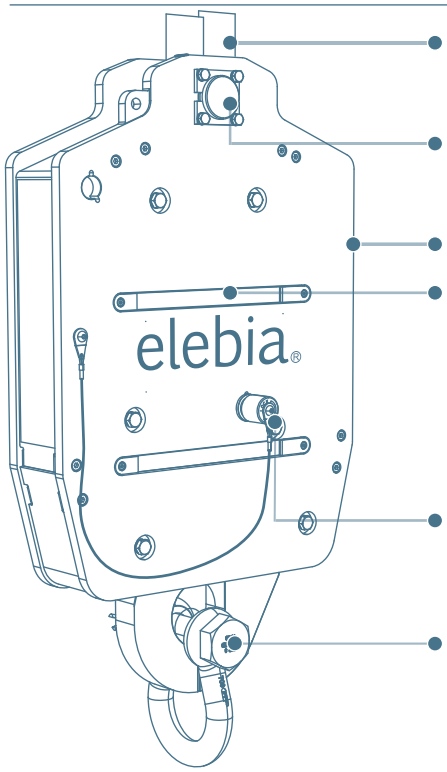
The D10 is an innovative 10-tonne automatic drop test hook designed to enhance operational safety and efficiency in industrial settings. It allows users to drop any load safely and from a distance using a remote control.



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Main Features of the d10

WORKING LOAD LIMIT **10,000 kg /** *22,046 lbs.*



Sling
DO NOT use any other lifting accessory than the sling provided to connect the load to the D10.

Ready to be upgraded with a weighing scale

High Capacity Battery

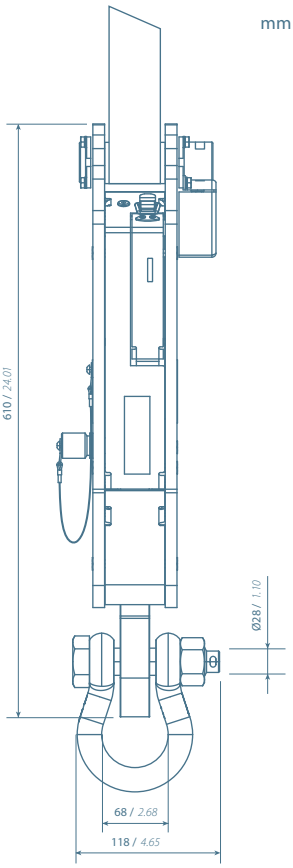
High Brightness LED Status Indicator
The D10 carries a High-Brightness LED status indicator, an additional safety measure which shows the status at all times with a bright 4 colour-code scheme visible from the operator's position.

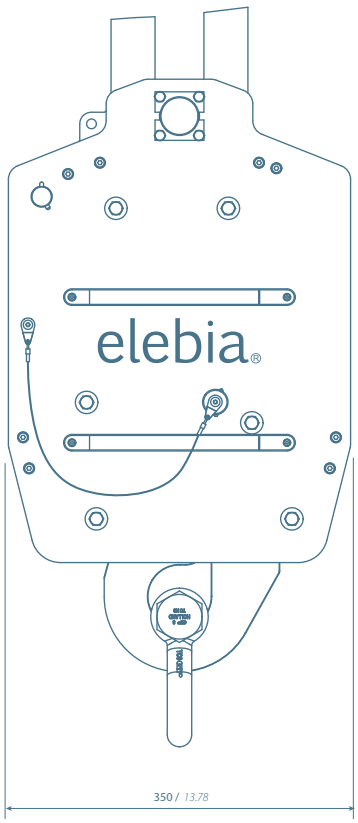
Safety Pin
to prevent accidental drops and to activate the auto close mechanism

Shackle
DO NOT use any other lifting accessory than the shackle provided to connect the load to the D10.

mm / *inches*

Weight: 58 kg / *129 lbs*

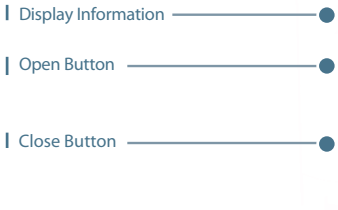




Remote Control

100m IP65

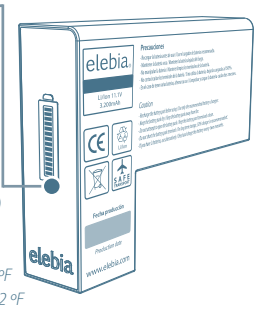
The D10 lifting hook comes with two factory-paired eMINI remote controllers.



- Display Information
- Open Button
- Close Button

Power Supply	CR2032 lithium battery
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
Radiated Power	under 5dBm
Antenna	Integrated
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
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	12.6 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 (iddle 5s)
Heat Protection	Thermal 70 ºC / *158 ºF*
Charge Indicator	Eink 14 Segment Display
Temperature (Charge)	0 ºC to 45 ºC / *32 ºF to 113 ºF*
Temperature (Discharge)	-20 ºC to 50 ºC / *-4 ºF to 122 ºF*
Temperature (Idle)	-20 ºC to 60 ºC / *-4 ºF to 140 ºF*
Weight	200 g aprox. / *7.05 oz*

100 - 240V 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

- EN 10204 3.1.B
- ETSI EN 300 220-1 V3.1.1
- ETSI EN 300 220-2 V3.1.1
- ETSI EN 303 446-1 V1.1.0
- ETSI EN 303 446-2 V1.1.0
- UNE-EN 1050
- UNE-EN 61000-6-4:2007
- UNE-EN 61000-6-2:2006
- UNE-EN ISO12100:2012
- UNE-EN 602041:2007
- UNE-EN 607301:2013
- EMC Directive (2014/30/EU)
- UN 38.3
- Directive on Machine Safety (D2006/42/EC)
- Radio Equipment Directive (2014/53/EU)
- Low Voltage Directive (2014/35/EU)
- Assurance of Production Quality in accordance with ISO9001.
- ARIB Construction Design Certification Number 203-JN0689.
- FCC Identifier 2ACLHEVO for Equipment Class: Digital Transmission System.
- Each mechanism is delivered with the CE stamp and a declaration of CE conformity.
- elebia is a member of F.E.M. (European Federation of Materials Handling).

elebia.com/dropteshook-d10

eMAX
REMOTE CONTROL

Our Most Advanced and Powerful Crane Hook Remote Control



Flip-up belt for hands-free operation



Page 39

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elebia.com/remote-control/#emax

The eMAX is the most advanced and powerful remote control in the Elebia range, now available as a single, unified model. Designed for demanding operations, it features a large high-resolution colour display and a robust membrane keypad, providing real-time data on hook status, load weight, alarms and battery level. It can manage and display up to 24 automatic hooks simultaneously, making it ideal for complex multi-hook operations.

Key Features

- Controls multiple evo5–evo25 hooks simultaneously (up to 24)
- Large hi-res colour screen with intuitive directional keypad
- Redesigned membrane keypad, aligned with the eMini and eInst design
- Load weighing display (with load cell-equipped hooks)
- Overload and unbalance alarms (visual, buzzer and vibration)
- Log events file with real-time clock (exportable via USB)
- USB-C port: charging, software updates and data export
- Real-time input/output data transmission to PLCs/PCs
- Rechargeable Li-Ion battery, 4 mAh capacity
- Rugged enclosure, IP65
- Laser-engraved QR code with direct access to the Elebia helpdesk

Specifications

Available code combinations	65,536 different combinations.
Detection of errors in transmission	2 CRC Bytes + Forward error correction.
Frequency selection	1
Frequencies	868 Mhz / 915 Mhz / 917 Mhz / 924 Mhz) (Custom frequency 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 dB.
Antenna	External antenna.
Range	100 metres / 330 Feet.
Consumption at rest	5uA
Consumption at transmission operation	20mA
Working temperature	-20 to +85ºC / -4 to +185ºF.

Regulatory Standards

- Directive on machine safety (D89/37/EEC).
- UNE-EN 1050
- UNE-EN ISO 12100-1
- UNE-EN ISO 12100-2
- UNE-EN 61000-6-4
- UNE-EN 61000-6-2
- UNE-EN 1677
- EN 10204 3.1.B
- D89/391/EEC
- D89/654/EEC
- D89/655/EEC
- D89/656/EEC
- D92/58/EEC
- Assurance of production quality in accordance with ISO 9001.
- Each mechanism is delivered with the CE stamp and a declaration of CE conformity.

FCC and IC

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver.

eMINI
REMOTE CONTROL



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Small, Simple, and Ergonomic Crane Hook Remote Control

The eMINI is a compact, lightweight and ergonomic remote control designed for ease of use in the field. With just two buttons, it allows the operator to open and close the automatic hook and monitor battery level, hook status, sensor information and maintenance alerts — including the hook's annual inspection reminder.



Key Features

- 2-button operation (open/close)
- Hook battery level monitoring
- Sensor information and maintenance messages
- Annual inspection alert
- Ultra-compact format (68 x 52 x 17 mm)
- Powered by a single CR2032 lithium battery
- Up to 2 years battery autonomy
- Compatible with all cranes and other remotes

Power Supply	CR2032 lithium battery
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
Radiated Power	under 5 dBm
Antenna	Integrated
Range	100 metres */ 330 feet*
Working Temperature	-20 °C to 60 °C */ -4 °F to 140 °F*
Dimensions	Minitel box (68mm x 52mm x 17mm *2.68in. x 2.08in. x 0.67in)*

elebia.com/remote-control/#emini

eINST

INSTALLABLE REMOTE CONTROL



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Safe Lift Control (Interlock) for Overhead Crane Hooks

The eINST is designed to be integrated directly into the crane's relay cabinet, using a free channel from the crane's master control. No hand-held device is needed — the automatic hook is controlled from the existing crane controls, with only simple wiring required.

Key Features

- Integrates into the crane's existing electrical cabinet
- Uses a free channel from the crane master control
- 2-button operation (open/close)
- Power supply: 10V DC to 60V DC
- IP65 protection
- Compact format (100 x 100 x 40 mm)
- Compatible with all cranes and other remotes
- Optional Safe Lift Control (interlock): disables crane lifting if hook is not fully open or closed

Power Supply	10V DC to 60V DC
Current Consumption	50mA
Max. Relay Contact Voltage	250V AC / 30V DC
Max. Relay Contact Current	3 A at 30V DC and 250V AC
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 / 924.1 MHz
Communication	Bi-directional return of receiver battery status
Radiated Power	under 5 dBm
Antenna	External SMA Connector
Range	100 metres / *330 feet*
Working Temperature	-20 ºC to 85 ºC / *-4 ºF to 185 ºF*
Dimensions	100mm. x 100mm. x 40mm. *3.94in. x 3.94in. x 1.57in.*

elebia.com/remote-control/#installable

eLINK
REMOTE CONTROL



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smart lifting solutions

Safer Lifting Processes Through Automation

The eLink is a central data acquisition and control system that allows remote management of lifting hooks — individually or in groups — through a web application. It is designed for automated environments where centralised control and data monitoring are required.

Key Features

- Web-based control interface
- Controls hooks individually or in groups
- Central data acquisition and monitoring
- Designed for automation and system integration

Functions of the eLINK

Integration: eLink allows communication between the hooks, the crane, the remote controls and other devices.

Data Logger: the eLink itself generates a Log file with all the events that are carried out while the eLink is operating, saving each event with date and timestamp thanks to the Real Time Clock.

Data access: the log file can be accessed through the App, via WiFi or via the Internet

Monitoring: hook status can be monitored through the App via WiFi or via the Internet

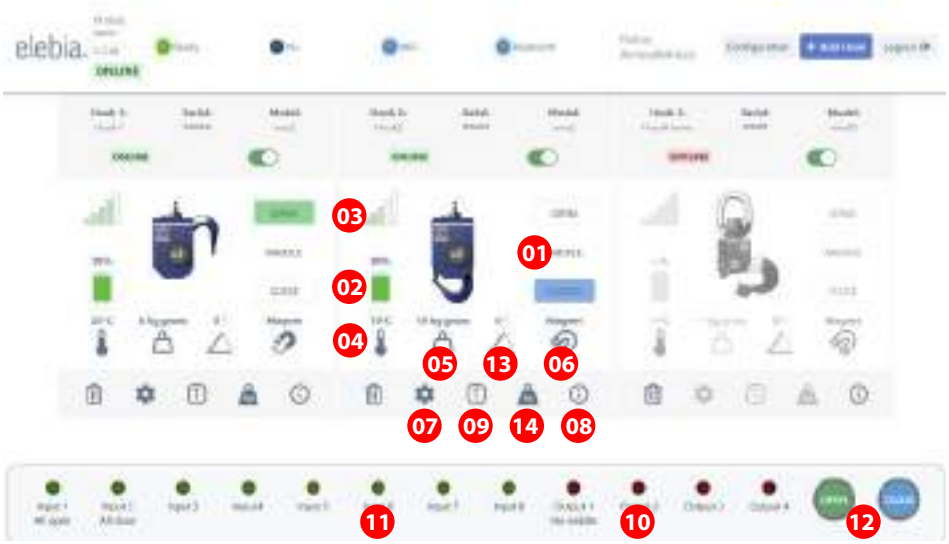
Automation: logical rules can be defined in order to perform different actions using hook status values.

Remote Maintenance: elebia service team can perform preventive and remote maintenance and support using eLink data.

Over the Air Updates: updates, bug fixes and new features can be delivered by OTA

*some of this features will be deployed over time / eLink can work offline or cloud based.

Web app



01 Hook status
02 Battery level
03 Radio strenght
04 Temperature
05 Weight
06 Magnet sensor
07 Hook settings
08 Hook info center
09 Tare / Gross / Net weight
10 Relay Status
11 Input Status
12 Open / Close all
13 Angle Capture
14 Weight Capture

Application example

Customer lift cradles with elebia hooks per cradle. eLink allows to:

- Control all the hooks with existing crane remote control (no extra remotes needed).
- **Safe Lift:** If 4 hooks are not fully closed, crane won't lift. (increased safety)
- **Smooth lift:** Once hooks are fully closed, lift will be allowed at low speed. (increased safety)
- Once hooks detect load, lift will be allowed at full speed. (increased safety)
- **Unbalance alarm:** if load is unbalanced, sound an alarm. (increased safety)
- **Overload alarm:** in case of overload sound an alarm, send report via email. (increased safety)
- **Service notifications**: if maintenance/service needed, send an email.

General Specifications

Single-Board Computer	Cortex-A53 64 bits / 512 MB LPDDR2
Radio Frequency Communication	868.95 / 904 / 917.5 / 924.1 MHz
CANbus	1
Inputs	8 (Opto-coupled)
Outputs	4 (by relays)
4G Modul	Optional
Real Time Clock (RTC)	Yes
Internal StorageMemory	32GB
Button Battery for RTC	CR2032

Input Source	110/230Vac
Wifi	802.11 b/g/n/ac dual band (2,4 y 5 GHz)
Bluetooth	4.2
IP-Code	IP-65
Temperature Range	-20ºC / 60ºC
RF Antenna	862 to 930 MHz / 50 Ohms
Dimensions	310 x 60 x 94 mm *12.20 x 2.36 x 3.70 inches*
Power Consumption	1W max.

SCAN ME

BATTERIES

EVO5 to EVO25



No connectors or wires. Push to insert, pull to remove. Lock system prevents battery from falling on impact. Ergonomic rubber handle. 4 LEDs show charge at 25%, 50%, 75% and 100%.

Battery - Standard

REF.: EVO-1700

Technology	Rechargeable Li-Ion
Nominal Voltage	21.6V DC
Nominal Capacity	2.6 Ah
Max. Discharge Current	6 A
Heat Protection	Thermal 70 ºC / 158 ºF
Charge Indicator	4 LEDs (25–50–75–100%)
Temp. Charge	0 to 45 ºC / 32 to 113 ºF
Temp. Discharge	–20 to 50 ºC / –4 to 122 ºF
Temp. Idle	–20 to 60 ºC / –4 to 140 ºF
Weight	390 g / 13.75 oz.

Battery - High Temperature

REF.: EVO-1700-T

Technology	Rechargeable Li-Ion
Nominal Voltage	21.6V DC
Nominal Capacity	2.6 Ah
Max. Discharge Current	6 A
Heat Protection	Cut-off 90 ºC / 194 ºF
Charge Indicator	4 LEDs (25–50–75–100%)
Temp. Charge	0 to 45 ºC / 32 to 113 ºF
Temp. Discharge	–20 to 60 ºC / –4 to 140 ºF
Temp. Idle	–20 to 60 ºC / –4 to 140 ºF
Weight	390 g / 13.75 oz.

Battery - High Capacity

REF.: EVO-1700-3_5AH

Technology	Rechargeable Li-Ion
Nominal Voltage	21.6V DC
Nominal Capacity	3.5 Ah
Max. Discharge Current	6 A
Heat Protection	Thermal 70 ºC / 158 ºF
Charge Indicator	4 LEDs (25–50–75–100%)
Temp. Charge	0 to 45 ºC / 32 to 113 ºF
Temp. Discharge	–20 to 50 ºC / –4 to 122 ºF
Temp. Idle	–20 to 60 ºC / –4 to 140 ºF
Weight	390 g / 13.75 oz.

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BATTERIES

EVO 2



14-segment Eink display shows charge at a glance. Optimised autonomy with updated electronics. Save battery when the hook is not in use.

Battery - Standard

REF.: EVO2-1700

Technology Rechargeable	Li-Ion
Nominal Voltage	10.8V DC
Nominal Capacity	3.4 Ah
Max. Discharge Current	6.4 A
Heat Protection	Thermal 70 ºC / 158 ºF
Charge Indicator	Eink 14-segment display
Temp. Charge	0 to 45 ºC / 32 to 113 ºF
Temp. Discharge	–20 to 50 ºC / –4 to 122 ºF
Temp. Idle	–20 to 60 ºC / –4 to 140 ºF
Weight	150 g / 5.29 oz.

Battery - High Temperature

REF.: EVO2-1700-T

Technology Rechargeable	Li-Ion
Nominal Voltage	10.8V DC
Nominal Capacity	3.4 Ah
Max. Discharge Current	6.4 A
Heat Protection	Cut-off 90 ºC / 194 ºF
Charge Indicator	Eink 14-segment display
Temp. Charge	0 to 45 ºC / 32 to 113 ºF
Temp. Discharge	–20 to 60 ºC / –4 to 140 ºF
Temp. Idle	–20 to 60 ºC / –4 to 140 ºF
Weight	150 g / 5.29 oz.

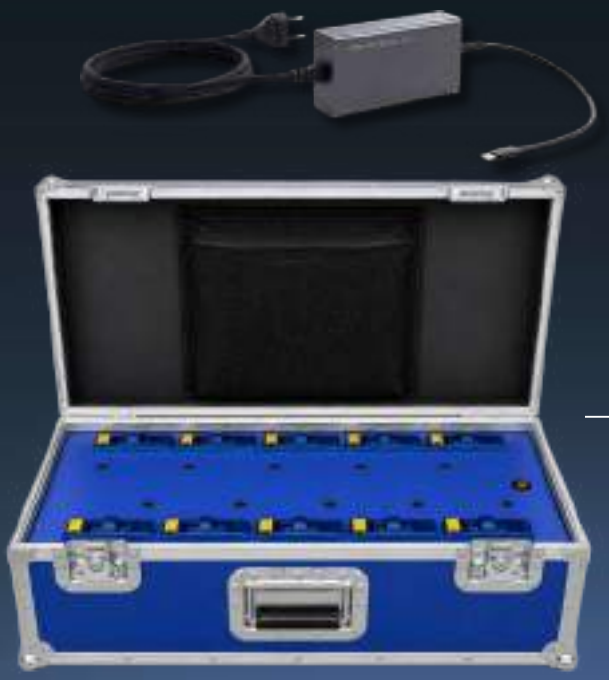
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CHARGERS

EVO2 & EVO5 to EVO25



100-240V Charger

Input Voltage	100-240V AC / 50-60Hz
Output	25.2V DC / 1A
Charge Indicator	Yes (red LED)
Charge Complete	Yes (green LED)
Compatibility	EVO-1700 · EVO-1700-T EVO-1700-3_5AH

Battery Multiple Charger

Input Voltage	100-240V AC / 50-60Hz
Charge Indicator	Yes (red LED)
Charge Complete	Yes (green LED)
Dimensions	655 × 305 × 230 mm
Compatibility	EVO-1700 · EVO-1700-T EVO-1700-3_5AH



evo2 100-240V Charger

REF.: ch220 evo2

Input Voltage	100-240V AC / 50-60Hz
Output	12.6V DC / 1.2A
Charge Indicator	No
Charge Complete	No
Compatibility	EVO2-1700 · EVO2-1700-T



evo2 Battery Multiple Charger

REF.: chx10 evo2

Input Voltage	100-240V AC / 50-60Hz
Charge Indicator	No
Charge Complete	No
Dimensions	655 × 305 × 230 mm
Compatibility	EVO2-1700 · EVO2-1700-T

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BATTERIES & CHARGERS

R2



Compact 18650 Li-Ion cell with IP65 protection. Integrates directly into the R2 hook with no external connectors. Ultralight at just 50 g.

R2 Battery	REF.: R2 battery
Technology	Li-Ion 18650
Nominal Voltage	3.7V DC
Max. Voltage	4.2V DC
Nominal Capacity	3.5 Ah
Protection	IP65
Charge Indicator	On device
Temp. Discharge	–20 to 60 °C / –4 to 140 °F
Weight	50 g / 1.76 oz.



Charges 2 R2 batteries simultaneously via USB-C. Compact and easy to use directly on site.

R2 Power Station — Dual Charger	REF.: R2 Power Station
Input	USB-C
Output	4.2V DC / 2A
Compatibility	R2



Rugged portable carry case for charging multiple R2 batteries simultaneously on site. Charge and transport batteries safely to any job location.

R2 Battery Multiple Charger	REF.: Portable carry case
Input	USB-C
Output	4.2V DC / 2A per slot
Format	Portable carry case
Compatibility	R2

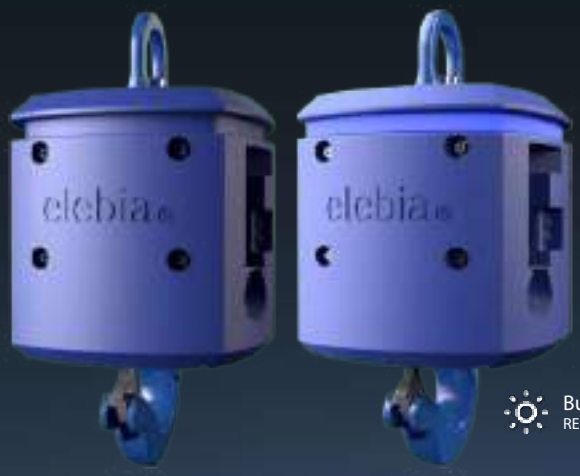
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ACCESSORIES
FOR LIFTING HOOKS

View here different accessories for the evo range of lifting hooks, as well as complimentary accessories to help you enhance safety and productivity in your day-to-day activities.



Bumper with LEDs
REFS.: 024314



Bumper with LEDs
REFS.: 018101



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evo5-evo25 Bumper
REFS.: BMP1000NOR/024314)

The bumper is one of our newest accessories for the evo5 to evo25 range of automatic lifting hooks for cranes, designed to protect your automatic crane hooks.

- Protect the hook and your load from scratches and day-to-day wear.
- Protect workers in case of impact.
- Extend product life.
- Reduce maintenance costs.
- Built from flexible silicone rubber with 70 shore A hardness.
- Can withstand temperature ranges of -40ºC to 200ºC / -40ºF to 392ºF.
- Reinforced battery cover.
- The evo5-evo25 Bumper with LEDs carries a slot for LEDs installation. This High-Brightness LED status indicator is an additional safety measure which shows the lifting hook's status at all times with a bright 4 colour-code scheme visible from the operator's position.

evo2 Bumpers
REFS.: BMP2000/018101

Meet the BUMPER. The new accessory for our automatic hooks. Protect your automatic hook against impacts, scratches and day-to-day wear.

- Designed to protect the evo2 automatic crane hook from all sort of impacts, scratches and day-to-day wear.
- Built from flexible polyurethane resin (PUR) with 90 shore A hardness, rigid and durable enough to absorb multiple and heavy impacts.
- These new bumpers for the evo2 crane hook can withstand temperature ranges of -20ºC to 90ºC / -4ºF to 194ºF
- Reinforced battery cover.
- The evo2 Bumper with LEDs carries a slot for LEDs installation. The High-Brightness LED status indicator is an additional safety measure which shows the lifting hook's status at all times with a bright 4 colour-code scheme visible from the operator's position.
- These new evo2 bumpers are valid only for the evo2 automatic crane hook, and is NOT recommended for hooks with counterbalance.

Swivel Lock
REFS.: B5/B10/B20

The swivel lock allows to block the top swivel of the lifting hook for cranes at any desired position, ideal when a fixed orientation of the hook is desired.

The elebia swivel lock allows to block the top swivel of the automatic lifting hook for cranes at any desired position. It is ideal for applications when a fixed orientation of the hook is desired.

Swivel locks are available for the evo5, evo10 and evo20 models.

- evo5 Swivel Lock - (REF.: B5)
- evo10 Swivel Lock - (REF.: B10).
- evo20 Swivel Lock - (REF.: B20).

ACCESSORIES

FOR LIFTING HOOKS





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Marine

REF.: Option M

C5M marine environments present the toughest conditions and require highly durable systems. According to ISO 12944, C5M is a durable coating system for a very high corrosive environment. The paint helps the devices to stay corrosion free in coastal and marine areas with high salinity and high exposure to corrosion.

- Electro Zinc coated.
- Intergard® 269 epoxy red: A quick drying two component epoxy primer. Suitable for overcoating after prolonged periods of weathering.
- Intercure® 420 / Intergard® 400: A two component, high solids, low VOC epoxy micaceous iron oxide coating formulated on proprietary polymer technology which provides rapid cure and overcoating even under low temperature conditions. / A high build, two component epoxy, pigmented with lamellar micaceous iron oxide for enhanced corrosion resistance and improved overcoating properties after ageing.
- Interfine® 979 polysiloxane: A patented high performance, high volume solids content acrylic polysiloxane cosmetic finish providing excellent long term durability. Interfine 979 significantly improves upon the gloss and colour retention exhibited by typical polyurethane finishes.

DNV Cetification

REF.: Option DNV

Our evo5, evo10 and evo20 automatic hooks have been found to comply with DNV GL standards DNVGL-ST-0377 & DNV GL standard DNVGL-ST-0378.

DNV GL is an accredited certification body. They certify the compliance of companies according to a third party standard, such as ISO 9001 (quality management system) or ISO 14001 (environmental management system). In the maritime business area, it classifies, verifies, risk-manages, trains and advises the maritime industry on safety, enhanced performance, fuel efficiency, etc. As a classification society, DNV GL sets standards for ships and offshore structures – known as Class Rules. They comprise safety, reliability and environmental requirements that vessels and other offshore mobile structures in international waters must comply with. DNV GL is authorized by 130 maritime administrations to perform certification or verification on their behalf.

evo2 Top Link

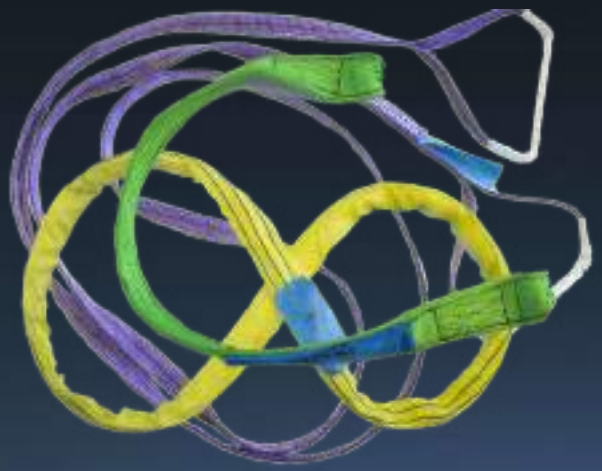
REFS.: UCO8/UMP8/UMS16/UMS18

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

Shackles and Masterlinks are fundamental elements in any rigging situation, when fastening systems are required. They're closed-loop devices—similar to an eye—that are used to make connection points in rigging and sling assemblies. The top links that unite the evo 2 automatic hook with the crane can be customized in order to adapt themselves to any kind of situation. Our different options are all made of Alloy Steel, Grade 10, Quenched and Tempered and carry a Safety Factor of MBL = 4xWLL.

- evo2 Custom Link - (REF.: custom)
- evo2 Omega Shackle - (REF.: UCO8).
- evo2 Pear Shackle - (REF.: UMP8).
- evo2 Omega Shackle + Masterlink 3.15 - (REFS.: UCO8 + UMS16).
- evo2 Omega Shackle + Masterlink 5.4 - (REFS.: UCO8 + UMS18).

ACCESSORIES
FOR LIFTING HOOKS

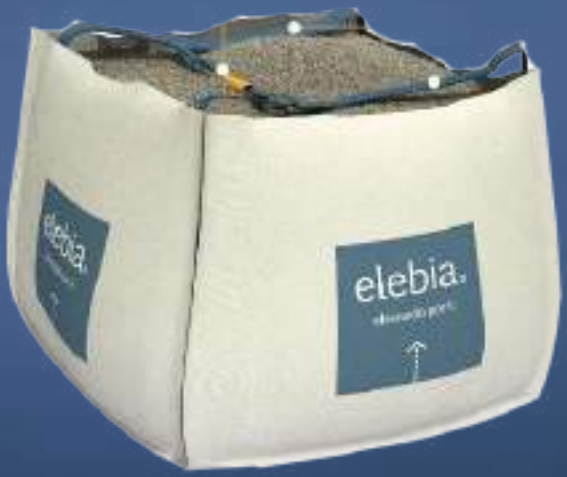


Lifting Slings

elebia crane slings are textile slings that incorporate a metal strip inside. This allows the automatic hook to attract and orient the sling. Supplied on request. Manufactured in many lengths and capacities, to meet customer specifications.

Textile lifting slings are used along with hoists to facilitate the movement of bulky materials from one end to another. Heavy loads pose a great challenge for manual workers and can take loads of time to move around without the help of loading equipment. Textile lifting slings are designed to make this work easier and they have been largely effective on this end. They are hooked to hoists and provide handling capabilities for heavy loads. They are used heavily on construction sites especially when the building under construction is bound to have at least a couple of floors.

- Tubular Slings
- Double Band Slings
- Big Bag Slings



Elebia Big Bag

elebia has reinvented the big bag in order to increase its safety and performance. This new design, along with the automatic hook, allows you to remotely engage and release big bags avoiding any manipulation by the operator.

Instead of having the usual 4 corner loops, we've redesigned the traditional big bag to adapt it to our automatic lifting hooks for cranes. The bags have two side handles and a central elebia sling which incorporates the metal wiring inside. This allows the patented automatic hook to attract and orient the central sling. It only needs just one unique lifting point to engage and elevate the load with the elebia big bags.

Thanks to the automatic hook's design, it is not necessary for the operator to manipulate the hook. The operator can use both hands to insert the handles, or engage the big bags remotely if used with metal wire slings, making the process faster and safer. Once the bigbag is on the ground, with a push of a button the lifting hook will open, remotely releasing the big bag.

elebia®
smart lifting solutions

ACCESSORIES
FOR LIFTING HOOKS







elebia®
smart lifting solutions

ATEX/IECEx Certification
REF.: Option EX

ATEX and/or IECEx certified products are essential in any location that may contain, or carry out, activities that produce explosives or in potentially explosive atmospheres.

ATEX/IECEx certified products are essential in any location that may contain, or carry out activities that produce explosives. It also refers to potentially explosive atmospheres.

The ATEX certification is mandatory across Europe and includes all its stages. From the manufacture through to the installation and use of the equipment. There are two parts which can be defined as;

Directive 99/92/EC – The ATEX Use Directive focuses primarily on the health and safety of workers, working in potentially explosive atmospheres. It involves the correct selection, installation, inspection and maintenance of Ex equipment.

Directive 2014/34/EU – The ATEX Equipment Directive is primarily concerned with trade. It considers the equipment that will be used in potentially hazardous areas and involves the manufacture and sale of Ex equipment.

IECEx is an international certification accepted in several countries to help build confidence in the safety of Ex equipment. It also facilitates international trade of equipment and services for use in explosive atmospheres.

Flip-up Belt

The flip-up belt has been designed to carry and store the eMAX remote control. The remote control is protected while it is not being used and the operator can move freely. When necessary, the operator simply flips up the eMAX remote control, adjusting its position and orientation to monitor its activity while keeping his hands free.

Flight Case
REFS.: FC evo5/FC evo20

Transport your automatic hooks and accessories anywhere you need safely and comfortably with the customised flight cases.

Dimensions evo5 flight case:
485 x 185 x 170mm./19.09 x 7.28 x 6.69in.

Dimensions evo10-evo20 flight case:
670 x 255 x 165mm./26.37 x 10.03 x 6.49in.

elebia®

smart lifting solutions

www.elebia.com