

**Description: Free standing electronic load balancer LIFTRONIC EASY**  
**Code: E80C2.5**

**Task:** Lift and handle loads in zero-g conditions

**Length:** 2720 mm

**Width:** 380 mm

**Height:** 2430 mm

**Arm length:** 2500 mm

**Weight:** 170 Kg

**Max. capacity:** 80 Kg (to the hook)

**Hookpath:** standard 1.80 m (max 3m)

**Max. lifting speed:** 36 m/min

**Power supply:** 230 Volt - 50 / 60 Hz

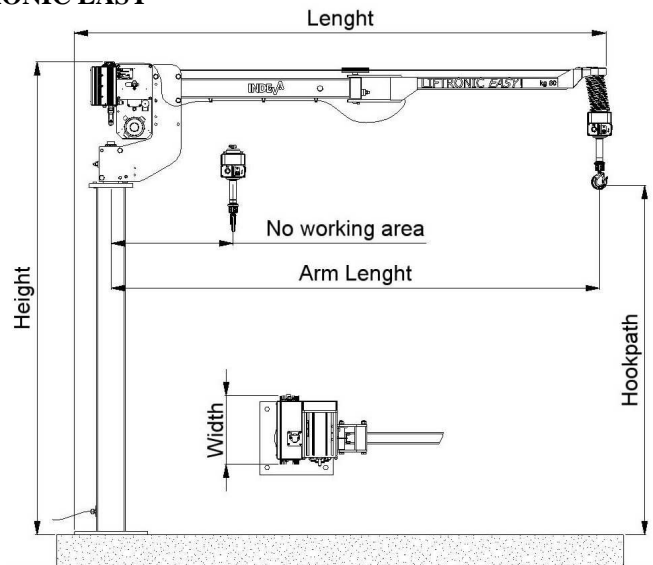
**Max. power consumption:** 620 Watt

**Duty-cycle with loads under 45kg:** 100%

**Duty-cycle with max. load (80kg):** 50%

**Attention:** in standing still status, with the "STOP" button NOT pressed, the equipment is considered to be working as far as the "duty-cycle" rating is concerned.

Scaglia INDEVA Spa can let you have a specific duty cycle rating through the excel sheet: IITmotoreEASY.xls.



**Movement:** manual

**Levelling:**  $\pm 2$  mm/m.

**Max. slewing angle:** 375°

**No working area:** R 425 mm

**Max. fleet angle:**  $\pm 15^\circ$

**Max. tool head rotation:**  $\pm 2$  turns

**Paint color:** green (RAL 6018)

**Enclosure protection:** IP54

**Min. lighting conditions within the working area:** 300 - 600 lux

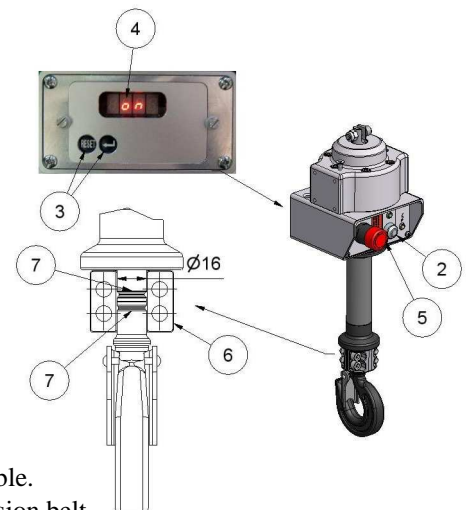
**Noise level:** <76 dB (A)

**Working area temperature:** 0 to 40 °C (electric components)

**Relative humidity rate:** 30% to 90%  $\pm 5\%$

**Tool head function:**

1. Automatic weight compensation
2. Float mode control button (load storage)
3. External fast reset button
4. Diagnostic display
5. Emergency stop button
6. Gripping tool fastening clamp
7.  $\varnothing 16$ mm hardened and tempered steel terminal



**Safeties:**

- The system stops automatically in case of a break in the spiral cable.
- The system stops automatically in case of a break in the transmission belt
- Max. lifting/lowering speed limited to 36 m/min.
- Simple friction on the joints to prevent the tool from moving spontaneously
- Alarm message on the display of the tooling in case of :
  - Motor temperature  $>80^\circ$
  - Max time with load hanging exceeded (see duty-cycle)
  - Faulty connection between tool head and power supply unit

- Motor brush disconnected or faulty wiring
- Power supply unit temperature >70°
- Fault in the control p.c. board of the tool head
- Faulty wiring of the break resistance

**Applicable standards:** European safety standards 98/37/CE (Machinery Directive)

Safety requirement in directive 73/23/CEE (Low voltage)

Safety requirement in directive 89/336/CEE (Electro-magnetic compatibility)

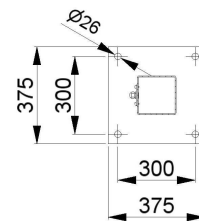
Noise level measuring: DIN 45635

Design standards: CNR 10021/85 (Steel structures for lifting equipment), CNR 10011/86 (Steel products), CNR 10028/85 (Aluminium alloy structures for lifting equipment), CNR 10029/87 (High-resistance steel products)  
UNI 7670, UNI 7278, DIN 4114, ISO 4304, DIN 1054, FEM/I-12-1970

**Floor mounting:** 375 x 375 mm plate with n°4 holes Ø26

Drilling diameter (pitch 300 x 300 mm):

- for expansive floor plug n°4 Ø25
- for chemical floor plug n°4 Ø14



**Special Configurations:**

- Arm length
- Column height
- Power supply 110 V 50/60 Hz
- Special painting (standard: green RAL 6018)
- Neutral label (not Indeva)
- Alternatives tool heads (longer, shorter, Inox)

**Optional extras:**

- Quick coupling for gripping attachments
- Male Threaded Eyebolt for gripping attachments
- Continuous slew coupling for hook
- Vertical or horizontal sensitive handles
- Fixed, curved or horizontal handles
- Double or single frontal handles
- Transportable base platform

**Tooling for gripping:**

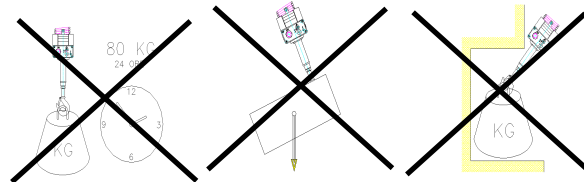
- Pantograph chucks
- Linear pantograph chucks plastic
- Linear pantograph chucks steel
- Linear pantograph chucks steel extra stroke
- Universal pantograph chucks
- Manual magnet
- Vacuum gripper + pads
- Gripping device with expanding chuck

For details see technical sheet:

**Liftronic EASY E80 “Special Configurations”**  
**Liftronic EASY E80 “Optional Extras”**  
**Liftronic E80 “EASY TOOLING”**

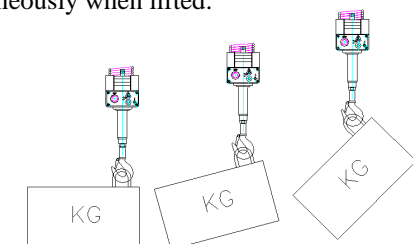
**Liftronic Easy is not suitable:**

- For load above 45 Kg and long working time periods without any break with load attached, please check duty cycle specifications
- For handling uncentered loads
- For handling projecting loads



**Liftronic Easy is suitable:**

- For handling uncentered loads that will bend spontaneously when lifted.



**Description: Roof mounted LIFTRONIC EASY**  
**Code: E80S2.5**

**Task:** Lift and handle loads in zero-g conditions

**Length:** 2720 mm

**Width:** 405 mm

**Height:** 820 mm **Height B:** 1060 mm

**Arm length:** 2500 mm

**Weight:** 140 Kg

**Max. capacity:** 80 Kg (to the hook)

**Hookpath:** standard 3 m (max 3m)

**Max. lifting speed:** 36 m/min

**Power supply:** 230 Volt - 50 / 60 Hz

**Max. power consumption:** 620 Watt

**Duty-cycle with loads under 45kg:** 100%

**Duty-cycle with max. load (80kg):** 50%

**Attention:** in standing still status, with the "STOP" button NOT pressed, the equipment is considered to be working as far as the "duty-cycle" rating is concerned. Scaglia INDEVA Spa can let you have a specific duty cycle rating through the excel sheet: IITmotoreEASY.xls.

**Max. mounting height:** 3.6m

**Movement:** manual

**Levelling:**  $\pm 2$  mm/m.

**Max. slewing angle:** 375°

**No working area:** R 425 mm

**Max. fleet angle:**  $\pm 15^\circ$

**Max. tool head rotation:**  $\pm 2$  turns

**Paint color:** green (RAL 6018)

**Enclosure protection:** IP54

**Min. lighting conditions within the working area:** 300 - 600 lux

**Noise level:** <76 dB (A)

**Working area temperature:** 0 to 40 °C (electric components)

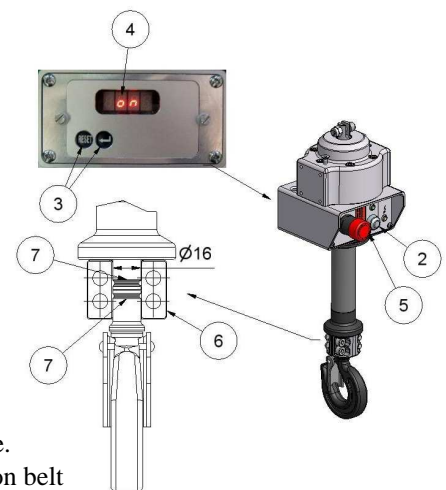
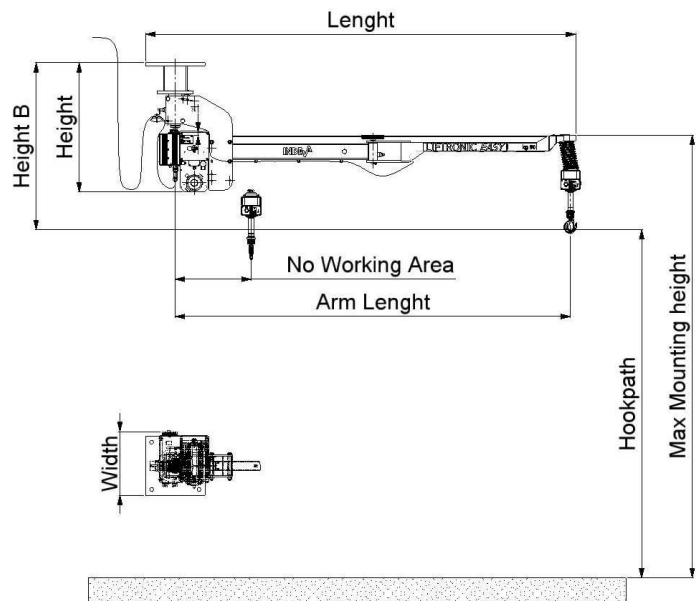
**Relative humidity rate:** 30% to 90%  $\pm 5\%$

**Tool head function:**

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  - Max time with load hanging exceeded (see duty-cycle)
  - Faulty connection between tool head and power supply unit
  - Motor brush disconnected or faulty wiring
  - Power supply unit temperature  $>70^\circ$



- Fault in the control p.c. board of the tool head
- Faulty wiring of the break resistance

**WARNING:** For fixing heights under 280 cm (from the floor to the top of the column), depending on where the system is positioned, there can be a residual risk of impact with the operator's head.

**Applicable standards:** European safety standards 98/37/CE (Machinery Directive)

Safety requirement in directive 73/23/CEE (Low voltage)

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Design standards: CNR 10021/85 (Steel structures for lifting equipment), CNR 10011/86 (Steel products), CNR

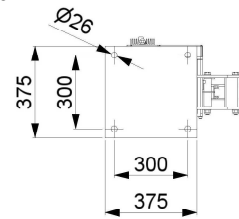
10028/85 (Aluminium alloy structures for lifting equipment), CNR 10029/87 (High-resistance steel products)

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**Roof mounting:** 375 x 375 mm plate with n°4 holes Ø26

Drilling diameter (pitch 300 x 300 mm):

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**Tooling for gripping:**

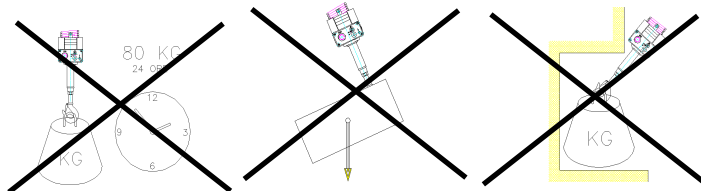
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