

Description: Rail mounted electronic load balancer LIFTRONIC EASY
Code: E80R

Task: Lift and handle loads in zero-g conditions

Length: 470 mm

Width: 350 mm

Height: 430 mm **Height B:** 670 mm

Weight: 40 Kg

Max. capacity: 80 Kg (to the hook)

Hookpath: standard 3.3m (max stroke 3.5m)

Max. lifting speed: 36 m/min

Power supply: 230 Volt - 50 / 60 Hz

Max. power consumption: 620 Watt

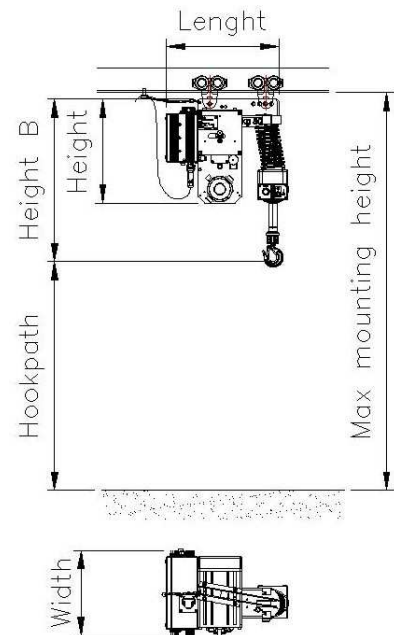
Duty-cycle with loads under 45kg: 100%

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: 4m (floor to lower rail profile)

Standard rail profile: Demag KBK I / IIL / II



Movement: manual

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

Max. tool head rotation: ± 2 turns

Paint color: green RAL 6018

Enclosure protection: IP54

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

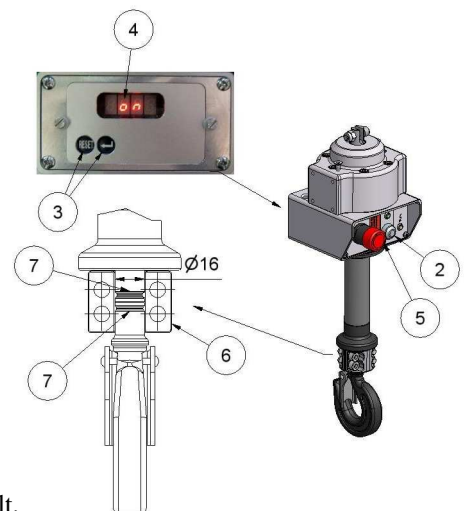
Noise level: <76 dB (A)

Working 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.
- 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 $>70^\circ$
 - 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

Special Configurations:

- 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

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:

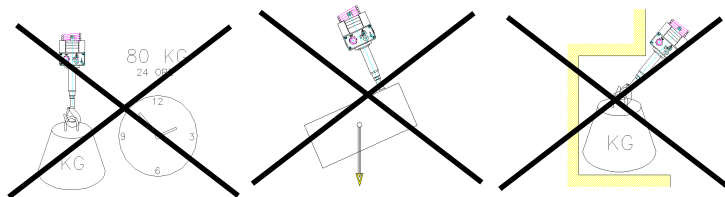
Liftronic EASY E80 “Special Configurations”

Liftronic EASY E80 “Optional Extras”

Liftronic E80 “EASY TOOLING”

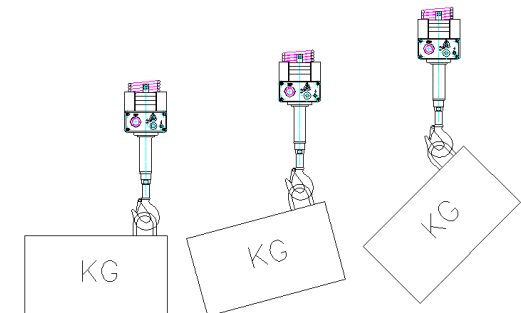
Liftronic Easy is not suitable:

- 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: Rail mounted electronic load balancer LIFTRONIC EASY
Code: E125R and E160R

	E125R	E160R
Max capacity (to the hook)	125 kg	160 kg
Max lifting speed	22.5 m/min	18 m/min
Duty-cycle* = 100%	70 kg	90 kg
Duty-cycle* = 50%	125 kg	160 kg

***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.

Task: Lift and handle loads in zero-g conditions

Length: 470 mm

Width: 350 mm

Height: 430 mm **Height B:** 730 mm

Weight: 45 Kg

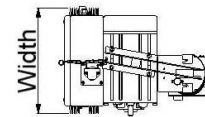
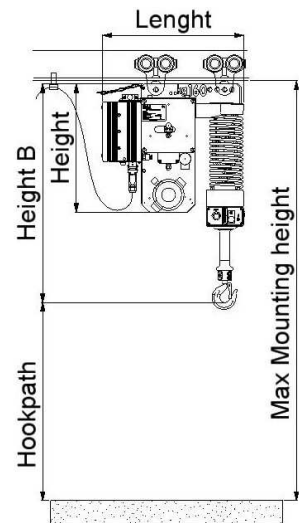
Hookpath: standard 2.8m

Power supply: 230 Volt - 50 / 60 Hz

Max. power consumption: 620 Watt

Max. mounting height: 3.56m (floor to lower rail profile)

Standard rail profile: Demag KBK I / IIL / II



Movement: manual

Max. fleet angle: ± 15°

Max. tool head rotation: ± 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)

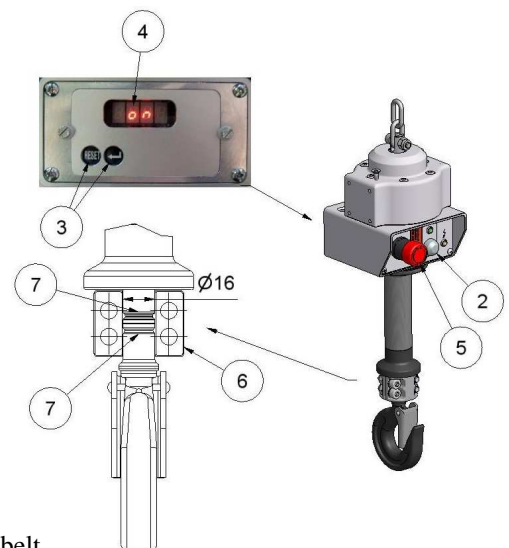
Relative humidity rate: 30% to 90% ± 5%

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. Ø16mm 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 22.5 m/min (E125) or 18m/min (E160).
- Alarm message on the display of the tooling in case of :
 - Motor temperature >80°
 - 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
- Break resistance temperature >80°

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)

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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)

UNI 7670, UNI 7278, DIN 4114, ISO 4304, DIN 1054, FEM/I-12-1970

Special Configurations:

- Arm length
- Column height
- power supply 110 V 50/60 Hz
- Special painting (standard: green RAL 6018)
- Neutral label (not Indeva)

Optional extras:

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

Tooling for gripping:

- Pantograph chucks
- Linear Pantograph chucks

For details see technical sheet:

Liftronic EASY E125R – E160R

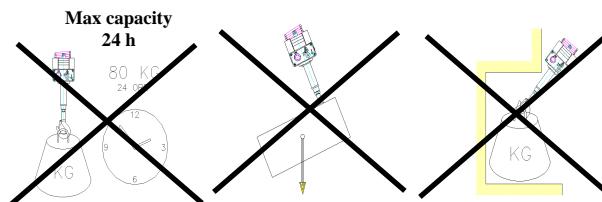
“Special Configurations”

“Optional Extras”

NOTICE: IF YOU APPLY A RIGID TOOL, INSTEAD OF THE STANDARD HOOK, YOU HAVE TO APPLY ALSO THE **SHOCK-ABSORBER COUPLING** (SEE OPTIONAL EXTRAS “LOAD ATTACHMENTS”)

Liftronic Easy is not suitable:

- For load above 70Kg (E125) or 90kg (E160) 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.

