pewag
lifting solutions

pewag levo hooks

Automated safety



English EN

Lifting with less manual effort



Safer handling. Greater efficiency.

With conventional lifting methods, operators often need to enter the danger zone around or even on the load to attach and release the hook. Manual unhooking adds extra movement and handling steps, while working in close proximity to suspended loads can increase safety risks. During repetitive lifting operations, these manual steps have to be performed again and again.

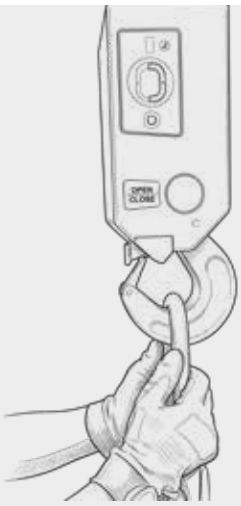
The pewag levo hook provides a smarter solution: the hook can be opened and closed remotely, reducing the need for manual intervention directly at the load. This helps make repetitive lifting processes more efficient while keeping operators further away from the immediate load area.

Safety
Keep a safe distance from the hazard zone

Efficiency
Fewer manual interventions

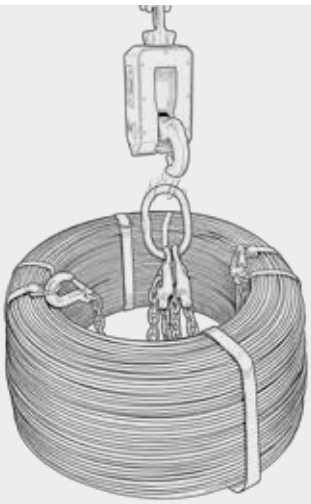
Control
Remote opening and closing

Flexibility
Suitable for a variety of lifting processes









1
Attach the load

The lifting equipment or load is securely positioned in the levo hook, and the hook is closed – manually or using the magnet.

2
Lift and transport

The load is lifted and moved as usual using the crane.

3
Safely set down the load

The load is fully and safely placed at the designated position.

4
Open the hook remotely

The levo hook is opened by remote control, allowing the lifting equipment to be released from a safe distance.


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pewag levo
LH5

Comparison of pewag levo hooks






Equipment	levo hook LH5	levo hook LH8	levo hook LH16	levo hook LH32
Remote control 	✓	✓	✓	✓
Battery 	✓	✓	✓	✓
Charger 	✓	✓	✓	✓
Light Module 	○	○	–	–
Magnet Unit 	○	○	○	○
levo Heat Protection 	○	○	○	○
levo Bumper 	○	○	○	○
Heavy Duty Frontcover 	–	–	○	○

Technical Specifications

Working load limit	5t	8t	16t	32t
Safety factor	4:1 (opt. 5:1)	4:1	4:1	4:1
Weight	19kg	19kg	59kg	79kg
Remote operating range	up to 100m	up to 100m	up to 100m	up to 100m
Multiple hook control	up to 20 hooks	up to 20 hooks	up to 20 hooks	up to 20 hooks
Rotatable under load	✓	✓	✓	✓
Max. load release weight	10-20kg	10-20kg	25-30kg	25-30kg
Battery runtime	up to 8.000 Movements	up to 8.000 Movements	up to 2.000 Movements	up to 2.000 Movements
Protection rating	IP65	IP65	IP65	IP65
TÜV certified	✓	✓	✓	✓

✓ included
○ optional
– not available

pewag levo hook LH5 & LH8

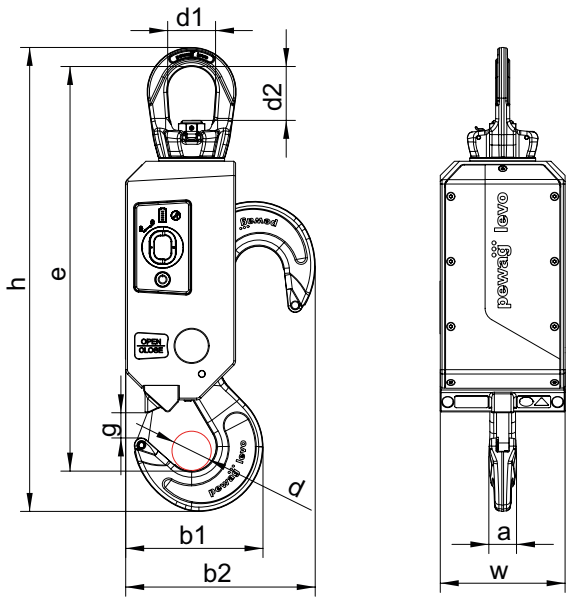
- **Versatile solution for a wide range of lifting applications**
- **Available in 5 t (LH5) and 8 t (LH8) capacities**
- **Ideal for steel, port, and logistics operations**
- **Remote-controlled opening and closing**
- **Increases efficiency in repetitive lifting processes**
- **Safety mechanism prevents opening under load**

Available accessories

- Magnet Unit
- Light Module
- Bumper
- Heat Protection



Product Specifications	LH5	LH8
Working load limit [kg]	5.000 kg	8.000 kg
e [mm]	460 mm	460 mm
a [mm]	32 mm	32 mm
b1 [mm]	156 mm	156 mm
b2 [mm]	220 mm	220 mm
d [mm]	35 mm	35 mm
d1 [mm]	54 mm	54 mm
d2 [mm]	61 mm	61 mm
g [mm]	22 mm	22 mm
h [mm]	528 mm	528 mm
h1 [mm]	46 mm	46 mm
w [mm]	142 mm	142 mm
Weight [kg]	20,00 kg	20,00 kg



pewag levo hook LH16

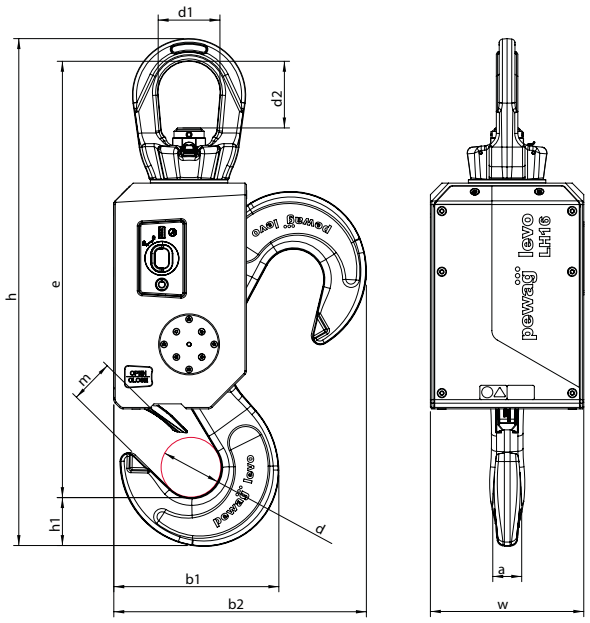
- **For heavy-duty lifting applications up to 16 t**
- **Ideal for steel, concrete, and injection molding industries**
- **Enlarged hook and lifting point geometry for easier load handling**
- **Safety latch retracts from the opening area for additional clearance**
- **Customizable with application-specific accessories**
- **Prevents opening under load and enables remote release up to 30 kg**



Available accessories

- Magnet Unit
- Bumper
- Heat Protection
- Heavy Duty Frontcover

Product Specifications	LH16
Working load limit [kg]	16.000 kg
e [mm]	609 mm
a [mm]	49 mm
b1 [mm]	227 mm
b2 [mm]	356 mm
d [mm]	41 mm
d1 [mm]	86 mm
d2 [mm]	103 mm
m [mm]	35/15 mm (with magnet unit)
h [mm]	709 mm
h1 [mm]	64 mm
w [mm]	214 mm
Weight [kg]	59 kg



pewag levo hook LH32

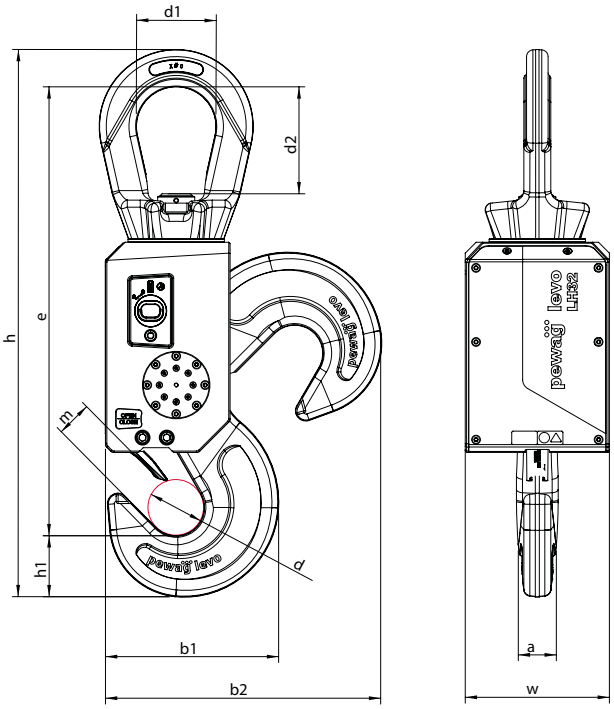


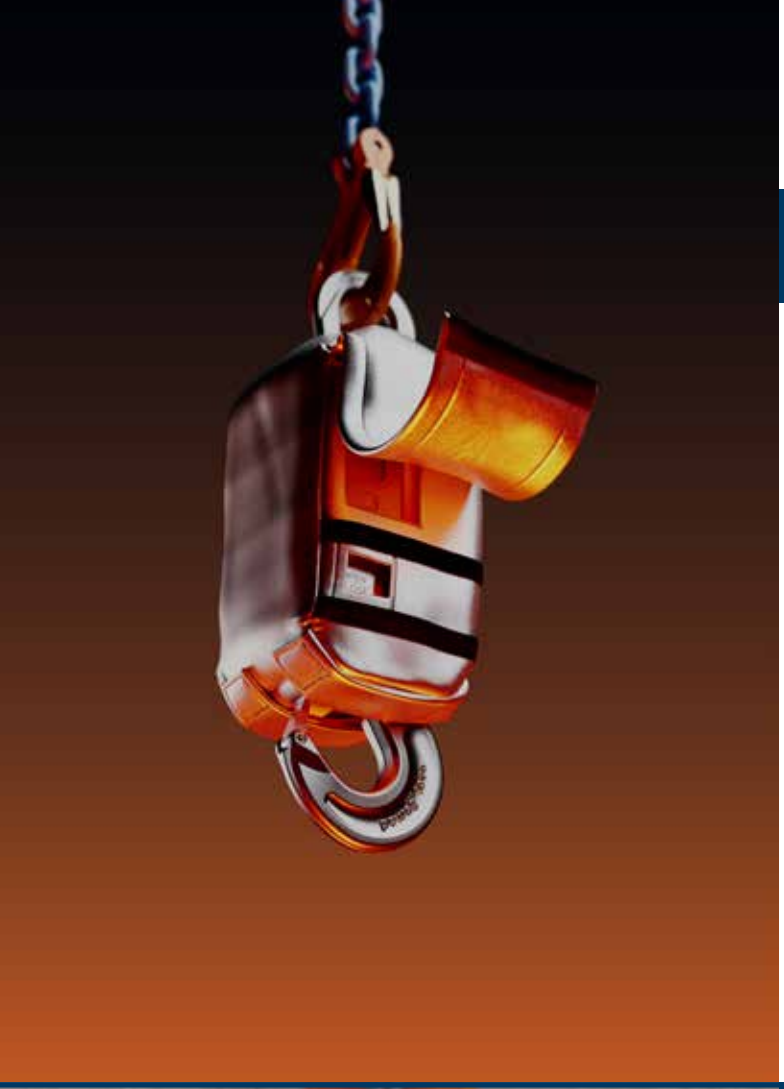
- For heavy-duty lifting applications up to 32 t
- Ideal for injection molding and wind industry applications
- Enlarged hook and lifting point geometry for easier load handling
- Safety latch retracts from the opening area for additional clearance
- Integrated brake allows the hook to stop in any position
- Customizable with application-specific accessories
- Prevents opening under load and enables remote release up to 30 kg

Available accessories

- Magnet Unit
- Bumper
- Heat Protection
- Heavy Duty Frontcover

Product Specifications	LH32
Working load limit [kg]	32.000 kg
e [mm]	666 mm
a [mm]	62 mm
b1 [mm]	259 mm
b2 [mm]	411 mm
d [mm]	41 mm
d1 [mm]	118 mm
d2 [mm]	159 mm
m [mm]	25/15 mm (with magnet unit)
h [mm]	813 mm
h1 [mm]	91 mm
w [mm]	214 mm
Weight [kg]	79,00 kg





Heat Protection

Function and Application

- **Thermal protection for applications with elevated ambient temperatures and radiant heat**
- **Slows down the heating of temperature-sensitive components, especially the battery**
- **Extends the allowable exposure time in hot environments**

Key Customer Benefits

- Longer operating time in high-temperature environments
- Reduced thermal stress on battery and electronic components
- Remote load release keeps operators away from hot working areas
- Easy retrofit for existing hooks



Bumper

Function and Application

- **Highly durable protective cover for demanding lifting operations**
- **Protects the hook from accidental impacts and contact**

Key Customer Benefits

- Increased durability in demanding day-to-day operations
- Reduced risk of damage to the hook, load, and surrounding structures
- Lower maintenance and repair requirements
- Easy retrofit for existing hooks in applications with an increased risk of contact

pewag levo hook accessories



Magnet Unit

The integrated magnet supports the handling and positioning of ferromagnetic lifting points or equipment, enabling easier pickup and alignment while reducing the need for manual intervention in the immediate working area.

Usage Example

Remote attachment and detachment when loading injection moulds into injection moulding machines, reducing the need for personnel to enter difficult-to-access machine areas.



Light Module

The integrated LED illuminates the working area around the hook, improving visibility of the load and connection points in dark or difficult-to-access environments.

Usage Example

Connecting lifting gear to a load in dark storage racks or machine areas where attachment points are difficult to identify from the crane operator's position.



Heat Protection

Helps protect temperature-sensitive components of the hook, particularly the battery, from excessive heat buildup, enabling longer operating times in high-temperature environments.

Usage Example

Placing a component into a furnace and releasing the lifting gear remotely, so personnel do not have to enter the hot zone.



Bumper

A highly durable protective cover provides additional protection for the hook housing and internal components against impacts, wear, and accidental contact.

Usage Example

Loading and unloading operations where occasional contact between the hook, the load, or surrounding structures is unavoidable.



Heavy Duty Frontcover

The reinforced 5 mm cover plate provides enhanced protection for the hook and its components, making it ideal for demanding applications with increased risk of impact.

Usage Example

Handling large components where occasional contact between the hook and the load is unavoidable, providing increased protection against wear.

Remote control & Multi-Hook control



Pre Paired on Delivery

Hook and remote control are supplied already paired.

Opening Protection

The hook will not open if the opening button is pressed for too long or too briefly.

Single Hook Control

1 remote control for 1 levo hook.



Multi Hook Control

Up to 20 hooks

Multiple connected hooks form a hook group. Commands such as opening and closing are executed simultaneously.



Range	Hook Capacity	Protection Rating	Operating Temperature	Radio Frequencies	Power Supply
up to 100m	up to 20 Hooks	IP65	–20 °C to +60 °C	869,75MHz; 915,5MHz and 916,2MHz	3 × 1.5 V AA batteries

Versatile lifting solutions

From standard to custom

pewag levo supports a wide range of lifting operations across diverse applications – from recurring standard processes to individual lifting tasks. Together with our customers, we develop solutions tailored to their specific processes and requirements.

Users benefit not only from levo technology, but also from pewag's extensive lifting expertise and comprehensive know-how in load handling equipment and lifting solutions.



Lifting injection moulding tools
Loading and unloading moulds without requiring personnel to enter the machine area.



Loading steel bars onto trailers
Loading steel bars without personnel having to climb onto the trailer to detach the load.



Lifting bags with a spreader beam
Lifting and positioning big bags with remote release of the load.



Installing a chimney top platform
Positioning the platform at height with remote release of the load, reducing the need for manual work in exposed areas.



Placing precasted concrete elements
Automatic attachment and release of load, reducing the need for manual work at dangerous heights.



Setting utility poles
Remote detachment of the lifting gear once the pole is in position, keeping personnel outside the potential fall zone.

Together we will find the right solution

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In accordance with

- EU Machinery Directive 2006/42/EC
- Directive 2014/53/EU on the making available of radio equipment (RED)

The following harmonized standards were applied:

Norm
- EN ISO 12100:2010
- EN 1677-1:2000 + A1
- EN 1677-2:2000 + A1 *(Note 1)*
- EN ISO 13849-1:2015 *(Note 1)*
- EN ISO 13849-2:2012
- EN 301 489-3 V2.1.1
- EN 300 220-2 V3.1.1 *(Note 2)*

Note 1: Independently tested by TÜV Süd *(Atlestation of Conformity M8A004105 0005 and M8AUK004105 0006)*

Note 2: Compliance with the standard is demonstrated by the radio module manufacturer's Declaration of conformity; no additional testing by the machine manufacturer

The following other technical standards and specifications were applied:

Norm
- EN 10204:2005 3.1.B
- ASME B30.10:2019 *(Note 1)*
- ASME B30.20:2018
- EN 61010-1:2010 + A1 *(Note 2)*
- UL 61010-1 :2012 /R:2023-06
- CSA C22.2 No. 61010-1 :2012 /U3:2023-06 *(Note 1)*
- EN 61000-6-2:2019
- EN 61000-6-4:2019
- EN 61000-6-7:2015
- EN 301 489-1 V2.2.3
- EN 50663:2017 *(Note 3)*
- EN 62479:2010 *(Note 3)*
- FCC 47 CFR Part 15 *(Subpart C)*

Note 1: Independently tested by TÜV Süd America *(Certificate U10 004105 0004)*

Note 2: Independently tested by TÜV Süd *(Attestation of Conformity MBA004105 0005 and M8AUK004105 0006)*

Note 3: Compliance with the standard is demonstrated by a Declaration of conformity from the radio module manufacturer; no additional testing by the machine manufacturer

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