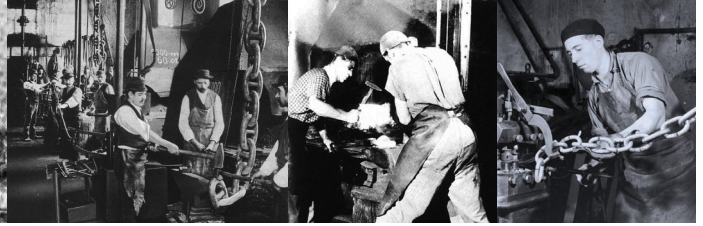


pewag winner profimag lifting magnet

For challenging lifting applications



pewag History



At the core of chain innovation since 1479

pewag is one of the oldest chain manufacturers in the world and the company's history goes back over 535 years when the first production facility was established in the town of Brückl, Austria in 1479. With over 535 years of engineering and manufacturing know-how, pewag has continued its research and development to provide the highest-quality innovative chain products to the market.

The **pewag** brand is well known for premium-quality chain products around the world and is well established as a global market leader. Today, pewag is the technological innovator in the high quality chain business. Stringent demands are placed on all employees to ensure high standards of quality.

pewag products

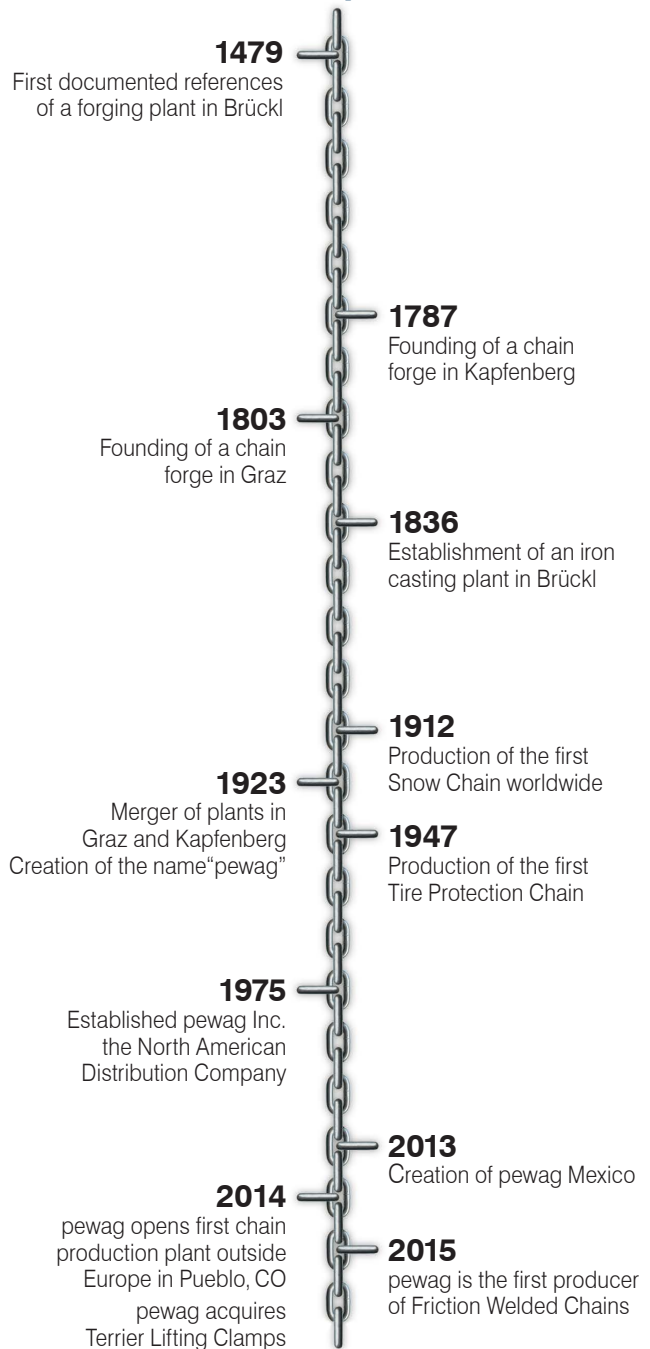
The **pewag** group has a substantial and diverse spectrum of products and services.

- **Industrial Lifting Chains & Components**
- **Traction Chains**
(cars, trucks, special purpose vehicles)
- **Tire Protection Chains**
(mining vehicles)
- **Conveyor and Hoist Chains & Components**
- **Security Chains**

Contact

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Timetable of important events



pewag winner profimag PMA lifting magnet

Magnetic, compact, reliable.

Built with Neodymium magnets and thus compatible with a wide range of metallic materials without the need for electricity. Suitable for flat and round material as well as for temperature ranges from -10°C/14°F to 80°C/176°F at 80% maximum humidity. Maximum temperature of the load to be lifted: 60°C/140°F.

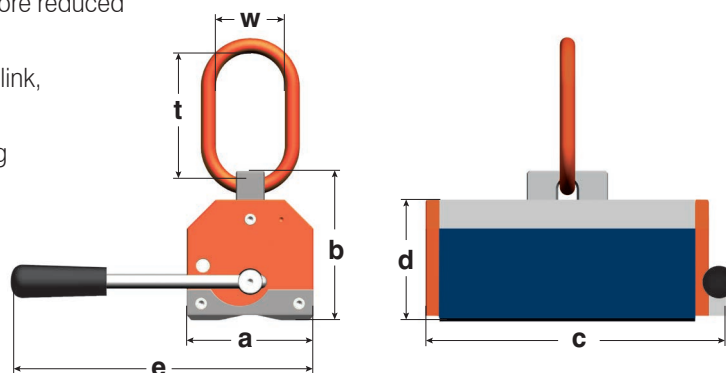
Surface: orange, anodized and electro galvanized. Master links: orange, powder-coated. Manufactured according to EN 12100 T1 and T2, EN 13155, ASME B30.20 and Machinery Directive 2006/42/EC.

Your Benefits at a Glance

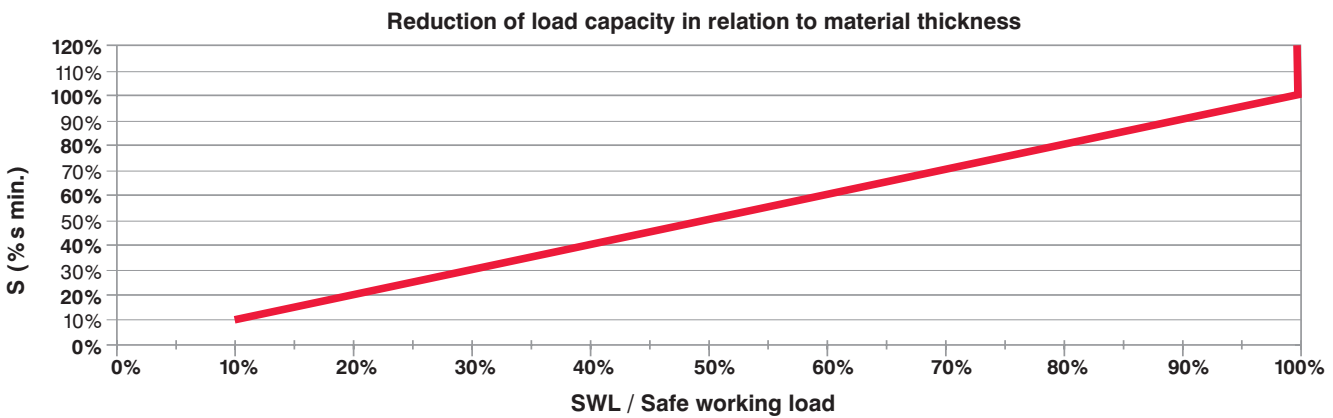
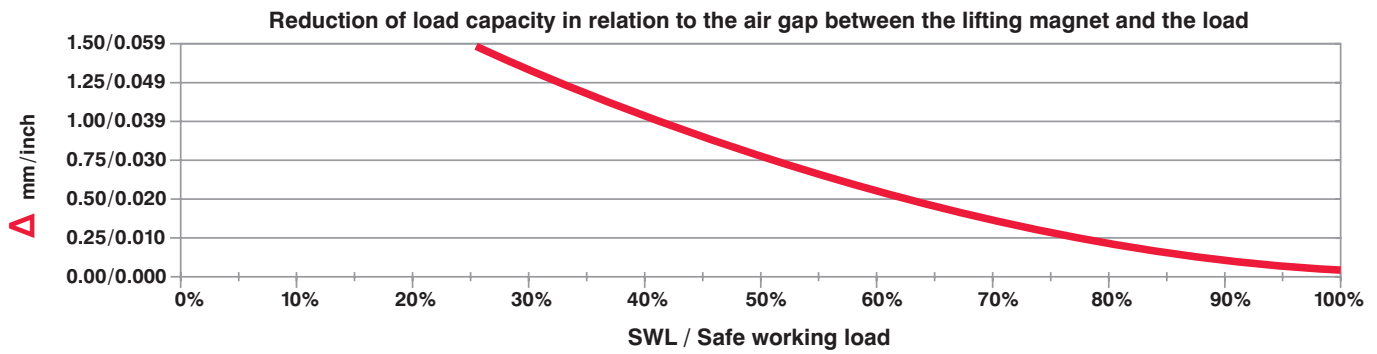
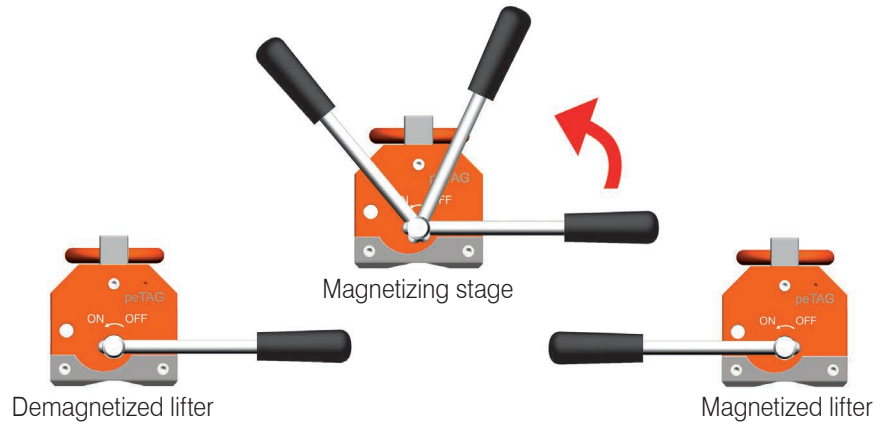
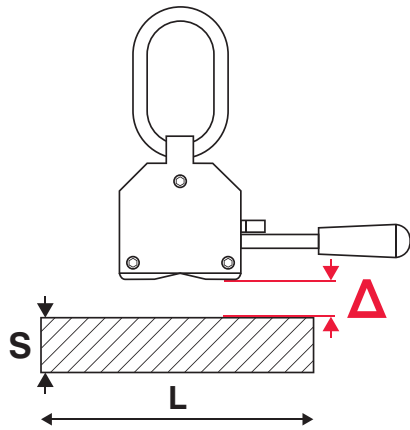
- No electricity required for use
- Small, compact, and lightweight aluminum construction
- Five sizes with Load capacities ranging from 330 lbs to 4,400 lbs, suitable for flat or round surfaces
- Built with powerful Neodymium magnets, compatible with a wide range of ferrous materials
- Easy to switch on or off by turning the lever by 180°, thus fully leveraging the magnetic effect
- Temperature ranges from -10°C/14°F to 80°C/176°F at 80% humidity
- No residual magnetism
- Jointed connection between master link and magnet, therefore reduced load during inclined hoisting operations
- Direct connection using the attached pewag winner master link, no additional rigging required.
- Safety locking mechanism, locks lever in position preventing accidental release of the load.
- 5-year warranty
- Safety factor 3



Click the QR code to view the PMA lifting magnet extended video



| Code | Flat Surface WLL (lb) | Minimum Material Thickness (inch) | Maximum Length L (inch) | Round Surface WLL (lb) | a (inch) | b (inch) | c (inch) | d (inch) | e (inch) | Master Link | t (inch) | w (inch) | Weight (lbs/pc) |
|----------|-----------------------|-----------------------------------|-------------------------|------------------------|----------|----------|----------|----------|----------|-------------|----------|----------|-----------------|
| PMA 150 | 330 | 0.79 | 78.74 | 150 | 3.35 | 4.33 | 6.10 | 3.35 | 7.48 | AW 13 | 4.33 | 2.36 | 15.43 |
| PMA 300 | 700 | 0.79 | 98.43 | 350 | 3.35 | 4.33 | 7.68 | 3.35 | 7.48 | AW 13 | 4.33 | 2.36 | 19.84 |
| PMA 500 | 1,100 | 0.98 | 118.11 | 550 | 4.33 | 5.12 | 10.23 | 4.13 | 9.48 | AW 13 | 4.33 | 2.36 | 37.50 |
| PMA 1000 | 2,200 | 1.38 | 137.80 | 1,100 | 5.12 | 6.89 | 12.60 | 5.31 | 10.87 | AW 13 | 4.33 | 2.36 | 88.20 |
| PMA 2000 | 4,400 | 1.77 | 137.80 | 2,200 | 8.07 | 9.05 | 17.72 | 7.09 | 20.08 | AW 22 | 6.30 | 3.54 | 246.90 |



| Restrictions of use | | | | |
|---------------------|--|-------------|--|-----------|
| Temperature range | From -10° C / 14° F to +80° C / 176° F and max humidity of 80% | | Less than -10° C / 14° F and more than +80° C / 176° F | |
| Load factor | 1 | | Not Permitted | |
| Shock loading | Not Permitted | | | |
| Steel type | Mild Steel | Alloy Steel | C40 Steel | Cast Iron |
| Load factor | 1 | 0.8 | 0.7 | 0.45 |

Warning: Lifting magnets are designed for use on ferrous metal surfaces only. Attempting to use a lifting magnet on a non-ferrous or stainless steel surface will cause the handle to release with excessive force that can result in serious injury.

pewag Lifting Magnet User Information

General information on usage, inspection and maintenance of pewag lifting magnets.

General information

An Operating Manual is provided with each pewag winner profimag lifting magnet. The user must read and have a full understanding of the instructions contained in the operating manual before using the pewag winner profimag lifting magnet.

pewag profimag lifting magnets are portable lifting equipment made to magnetize ferrous and magnetic material. They are built using Neodymium magnets in order to grab ferrous material of flat or cylindrical shape easily by getting direct contact with it without using an additional tool or electricity. pewag profimag lifting magnets provide portability, a proven design, and ease of use.

Environmental use conditions

pewag profimag lifting magnets are designed to work in environmental conditions from 14° F (-10° C) up to 176° F (80° C) with humidity max. 80%. In addition, make sure that the load to lift is no more than 140° F (60° C). Metals have a magnetic loss at high temperatures.

Restrictions of use

Working load limit (WLL) represents the maximum lifting capacity in the best conditions as mentioned in the table on page 3. Under certain conditions pewag winner profimag lifting magnets can only be used with limited working load. There are four factors that reduce the working load limit. It is very important to be aware of the reduction of load capacity and take it under consideration when planning the lifting of the load.

The following four factors reduce the WLL of lifting magnets:

Air gap

Air gap is the space between the polar surface and the material of the load. Air gaps are caused by dirt, oxidation, painting, bumps, anything that hinders the perfect, flat and clean contact between the polar surface and the metal of the load. Also the length of the load might cause air gap due to its flexion. The polar surfaces might lose some contact with the load.

Permanent magnet lifters from pewag can grab the load even when there are air gaps. In these cases the WLL must be reduced as shown on page 4. Alternatively for long loads a device using more magnets may avoid air gap.

Load thickness

When the thickness of the load does not reach the indicated minimum thickness on the pewag winner profimag lifting magnet plate and stated in the table on page 3, the full WLL can not be granted. In this case the WLL must be reduced as shown on page 4.

Material type

Magnetism force depends on different material typology. Maximum magnetism is reached when grabbing mild steel. For those metals which are different from mild steel, a factor must be applied to the WLL as shown in Restrictions of use table on page 4.

Contact surface

Maximum performance of pewag winner profimag lifting magnets is reached when the polar surface is totally and smoothly in contact with the material of the load. If the contact surface has for example holes, the lifting magnet cannot apply its full magnetic force to the load thus reducing the WLL.

Safe use

Before lifting a load check the general functionality.

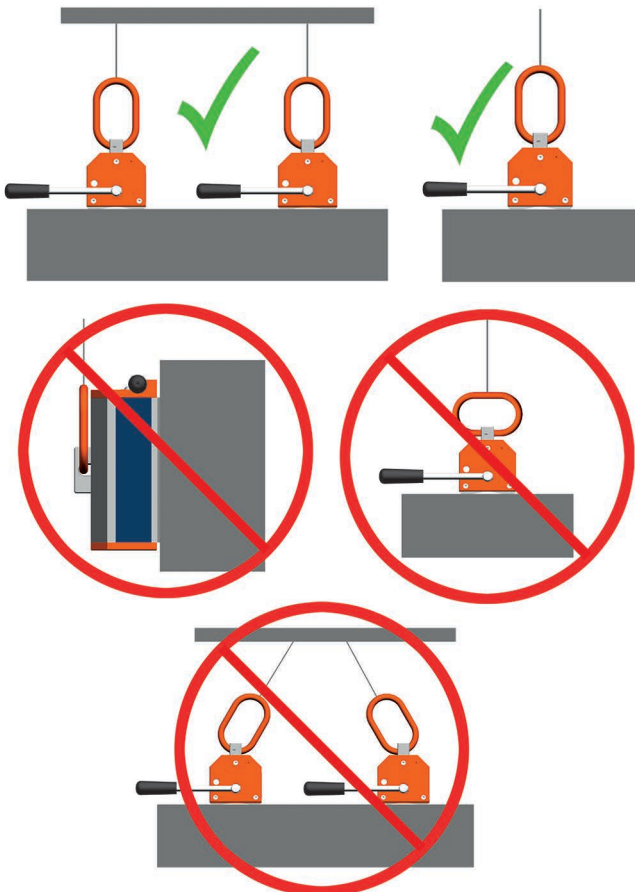
- 1) Try to magnetize the lifter on a ferrous surface. Lever must be able to turn 180° smoothly to the blocking latch system.
- 2) Verify the latch system. It has to move smoothly, locking the lever once turned "on".
- 3) Check the lifting equipment to which the pewag winner profimag lifting magnet is linked. It must be applicable to lift the load.
- 4) Arrange a pre-test to check the lifting function: lift 110% of the load capacity just 10 cm in order to verify a safe grab. If the load moves away do not use the magnet and contact pewag.

Lifting the load

Warning: Non proper use can lead to failure of the lifting magnet and loss of the load causing injury or fatalities.

- 1) Make sure the load does not exceed the maximum capacity of the lifting magnet. Consider the terms of use about limits, reduction factors and safety (pages 4 and 5)
- 2) Put the lifter on the metallic load, positioning it above the center of gravity. Position it breadthwise in case of flexible workpiece.
- 3) Make sure that the polar surfaces are clean and completely in direct contact with the load face.
- 4) Get the lifter started: turn the lever anti clockwise 180° to the on position so it gets locked by the latch.
- 5) Make sure the latch is locking the lever safely.
- 6) Arrange the pre-test, if ok proceed.
- 7) Lower the material once lifted.
- 8) Once the load is lowered in a safe and stable position, turn the magnet off, unlocking the safe latch and turning the lever 180° clockwise to the off position.

Warning: pay attention and be careful turning the lever back to the off position. It may release very quickly.



Maintenance and Inspection

To grant a proper working process and a product long life, it is necessary to do some checks. To assure functionality and the best features for all life long, follow the inspection schedule (for more detailed informations consider ASME B30.20):

- 1) Initial inspection: New and reinstalled lifting magnets shall be inspected by a designated person prior to initial use to verify compliance with the data from the manufacturer.
- 2) Every lift inspection: Lifting magnets shall be visually examined by the operator before each lift for any indication of damage and observed during operation for any damage that might occur.
 - Lifting magnet face and surface of the load for foreign materials and smoothness
 - Condition and operation of the control handle and the safety lock
 - Condition and operation of the master link
 - Legibility of the label
- 3) Periodic inspection: lifting magnets shall be inspected periodically according following table.
 - For cleaning use a dry and clean fabric.
 - Periodic Inspection operations and repair must be arranged by expert personnel.
 - Annual check must be registered and attached to this manual.
 - For any further questions please contact pewag.

| | Inspection frequency | | | |
|-----------------------------|----------------------|--------|---------|--------|
| | daily | weekly | monthly | annual |
| General state cleaning | | | | |
| Lever lock check | | | | |
| Latch stroke check | | | | |
| Nucleus fluidity check | | | | |
| Polar surface state check | | | | |
| Labels check | | | | |
| Master link check | | | | |
| Full inspection and testing | | | | |

Warranty

pewag, Inc. grants end users a 5-year warranty for their lifting magnets. This warranty is valid only for the original end user of the lifting magnet, provided that all inspection and maintenance activities were performed in compliance with the manufacturer's instructions throughout the warranty period. The warranty period shall be 5 years from the date of purchase. The warranty covers only such defects as result from manufacturing faults and occur during normal use. Defects such as wear and tear of parts, e.g. label, lever, handle, suspension ring etc. shall be excluded from the warranty. If a defect is detected during the warranty period, the lifting magnet shall be replaced or repaired at the manufacturer's discretion.

pewag Industrial Products Terms and Conditions

- **TERMS:** Net 30 days - Credit must be established with pewag Inc.
All other - cash in advance.
- **FREIGHT POLICY - USA & Canada**
pewag Inc. shipments, including Terrier Lifting Clamps, over 1,500 lbs. or \$4,000.00 within the continental United States or Provincial Canada are prepaid. Carrier at the discretion of pewag. Shipments under 1,500 lbs. or \$4,000.00 will be prepaid and added to the invoice.
Minimum order of \$25.00
For all shipments to Canada, customer will be responsible for duties and taxes.
- **PRICES:** All prices are shown in US Dollars, order will be accepted subject to prevailing prices at time of order. Prices are subject to change without notice.
- **RETURN GOODS:** pewag Inc./Terrier Lifting Clamps: Please note that we will accept returns only after a return merchandise authorization has been obtained. Items must be in new condition, unused in original packaging, with manuals and certifications. NO merchandise will be accepted without prior written authorization. Items must be returned to pewag within 120 days from the day shipped - NO returns accepted after 120 days. All returns are subject to a 25% (35% if manuals and certifications are not returned) restocking/handling charge, which will be deducted from the amount of the credit memo. Returned shipments must be prepaid. Collect or unauthorized shipments will be refused.
- **CHAIN SLINGS AND SPECIALTY/CUSTOM ITEMS:** Specialty items, cut chain, and chain slings are custom items and are NONRETURNABLE, NONCANCELLABLE, and NONREFUNDABLE.
- **FOR ALL OTHER PEWAG TERMS AND CONDITIONS OF SALE:**
<https://www.pewagchain.com/footer/service/terms-and-conditions/>

Disclaimer for Printed Literature:

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The pewag winner profimag lifting magnet complies to the following standards:

Manufactured according to

- EN 12100 T1 and T2
- EN 13155,
- ASME B30.20
- Machinery Directive 2006/42/EC



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