Translation of Original operating manual

pewag winner prosecure

PLGWI-PSA pewag winner gamma inox anchorage point for personal fall protection equipment – stainless steel



Read this operating manual carefully before using this product, paying particular attention to the sections on safety and assembly. This product is designed considering this manual as well as the national regulations for use with personal protective equipment (PPE) only. This product may only be used once this operating manual has been read and understood in full.

This operating manual is part of the product and must be made available to users throughout the lifetime of the product.

The operating manual must be passed on to later owners or users together with the product. This product as well as the operating manual may only be sold in countries where English is the national language. This operating manual is subject to an ongoing improvement process and is therefore only valid in its most recent version, available for download at www.pewag.com.

The highlighted sections in this operating manual contain information on areas with a particularly high risk potential. Disregarding this information may cause serious injuries or death. Please pay particular attention to these sections.

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This operating manual is valid for:
PLGWI-PSA pewag winner prosecure gamma inox
Anchorage point for personal fall protection



PLGWI-PSA pewag winner gamma inox anchorage point

Type	Number of people to secure
Metric-thread M12	Max. 1 person
Metric-thread M16	Max. 2 persons

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1. SAFETY INSTRUCTIONS

WARNING **An improperly mounted or damaged anchorage point or improper use may cause accidents that lead to severe injuries and/or death! Damaged anchorage points (see maintenance instructions) may fail even during normal conditions of use. Such anchorage points may not be used.**

- This product may only be operated by properly trained persons who must comply with all relevant standards and country-specific regulations.
- Users of this product must be in a good physical condition. Users of this product must not be under the influence of drugs, alcohol or medication.
- You must ensure that a plan that specifies emergency measures is available and that it covers all emergencies that may occur during use.
- The product may not been modified in any way.
- All repair and maintenance activities must be performed in accordance with the instructions given by pewag.
- Check for visible damage (deformations, cracks, damaged threads) prior to each use and ensure that the product is functioning correctly – anchorage points have to be rotatable (alignable with the load direction).
- This product is not intended for the lifting of loads.
- Only use the correct connecting elements for the anchorage points which are in accordance with EN362. Take into account all individual instruction manuals of each individual element and the safety equipment being used. Equipment parts that are not compatible are able to compromise the safe and correct function of the whole system.
- Only certified body harnesses with fall-impact-absorbers pursuant to EN 355 must be used that, in the event of a fall, limit the forces to 6kN.
- Anchorage points that have been stressed by a fall must be immediately taken out of operation and should only be used once a qualified person has explicitly agreed to the full functioning of the equipment in writing.
- It is important for safety reasons, that the position of the anchorage point has been correctly chosen, so that in the event of a fall, the height of the fall is reduced to a minimum
- Mount the anchorage point thus, that in the event of a fall, no impact on the surface or with any other obstacle can occur.

2. Designated use

Purpose: The pewag PLGWI-PSA serves as an anchorage point in the formation of an anchorage system of Type A according to EN 795:2012 or CEN/TS 16415:2013 (PLGWI-PSA M16 for securing more than one person) and may be used in combination with an anchorage system of Type B. Furthermore the anchorage points may be used in accordance with OSHA standards (1926.502; 1926.140) and EN 50308 (wind turbines).
Target groups: This product may only be used and serviced by properly trained personnel, provided that the instructions of this operating manual and all relevant country-specific regulations are complied with. Repairs, regular inspections and the exchange of parts may only be performed by competent personnel.
Also see point 4 of this operating manual.
Load: Loading has only to take place in the stated direction (image 1) with the maximum number of people according to table 1 and taking into consideration the operating conditions.



Fig. 1: Permitted directions of load that occur during correct use.



Fig. 2: Non-permitted usage

Material: The duplex steel used for ring, screw and sleeve has a high resistance to pitting corrosion, crevice and stress corrosion cracking (PRE(N) value 34).
Operating temperature: The long-term permitted ambient temperature must be between -40 °C and +280 °C.
Impacts: The anchorage point is designed to withstand impacts and swinging expected in the event of a fall.
Other information: The anchorage point may only be mounted with original parts. The ring is 360° rotatable around the screw and must be aligned with the expected direction of pull prior to loading.

For exact dimensions, refer to our website at www.pewag.com

2.1 Restrictions on use

- The anchorage points are not suitable for edge- or corner-loading.
- The anchorage points may not be rotated while under load.
- The hanged-in connecting elements must move freely in the ring.
- PLGWI-PSA anchorage points must not be used for the lifting of loads.

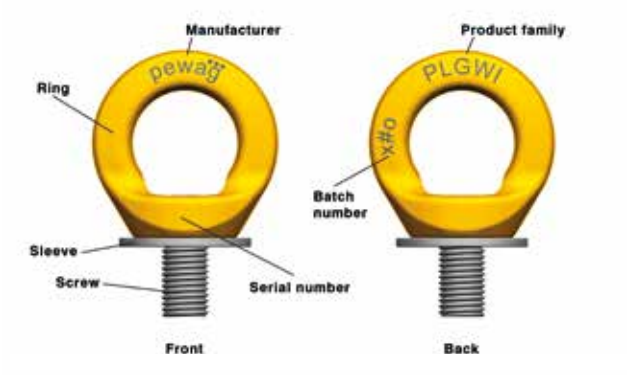
WARNING **The information contained in this operating manual is based on the assumption that no particularly hazardous conditions apply.**
In such cases, please contact pewag to determine the permissibility of the application and the degree of danger.

2.2 Foreseeable misuse

- Use by improperly trained personnel.
- Use by personnel who is unable to fully comprehend the language of this operating manual.
- Attachment to components for which no operating manual or proof of strength exists.
- Attachment of inappropriate connecting elements.
- Attaching connecting elements where no instruction manual or inspection based on the norms mentioned herein is present or available.

2.3 Labelling and identification

Each pewag PLGWI-PSA has been stamped with the thread size and a pictogram that shows the number of permissible users allowed. Furthermore each anchorage point is stamped with its own individual serial number.
Fig. 3 shows the exact identification details on the anchorage point.



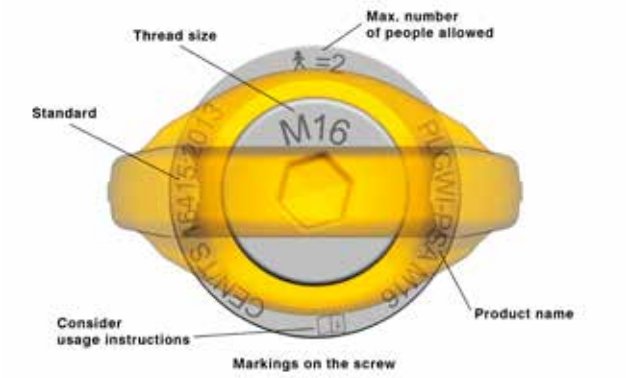


Fig. 3: Part number and location of the identification details on the product.

3. Assembly instructions

3.1 General information

- This product may only be assembled by persons who were instructed in the safe use of the product and have the required knowledge and skills.
- Only original pewag parts may be used.
  – These are recognisable from the stamp (batch number, manufacturer logo or code PW...)
- Only mount anchorage points that are free from defects.
- Used anchorage points must be inspected prior to each use as specified by the maintenance instructions.
- Check that the anchorage point has been attached according to the assembly instructions during each use.
- Attach anchorage points in such a way that they may be reached easily and without obstruction when attaching or removing the connecting element. Check that no hazardous points are created that could endanger the user or impede correct usage (risk of crushing, pinching or collision).
- The attached connecting element must be free to move in the ring.
- Keep anchorage points clean and dry. Treat anchorage points carefully even after use. Do not let anchorage points drop to the floor as this may damage the thread or other parts.
- The part of the structure on which the PLGWI-PSA anchorage point is mounted must withstand a load of at least 13kN (per person) without deformation (proof of safety) in accordance with EN 795 (or in accordance with CEN/TS 16415 if it is used by two persons at the same time). Consider higher values such as (e.g., 22.2kN per OSHA 1926.502(d)(15)).

- PLGWI-PSA anchorage points are to be screwed into steel or cast steel parts only. Applying to other materials (as light metals, plastic, concrete, etc.) is not permissible
- Choose the location of the anchorage point so that in the event of a fall, no impact on the surface or with any other obstacle can occur.
- Always consider the usage and assembly instructions of the connecting elements used.
- For custom-made designs: Take into account the additional information provided and the specifications on the customer‘s drawings (where applicable).
- The condition as delivered must not be altered. Surface treatments that may damage the material, welding, heat treatments etc. are not permitted.
- The length of the thread may not be shortened.
- Do not use an extension during mounting.

3.2 Protective measures to be taken by the user

Please refer to the operational limitations and the maximum number of permitted person according to table 1. Make sure that no unauthorised persons have access to the anchorage system during the entire duration of operation.

WARNING **Make sure that there is no danger of falling before removing the connecting element.**

3.3 Remaining risks

Overloading by not respecting the maximum number of persons or due to undue environmental influences (temperature etc.). Wrong adjustment of connecting elements can also lead to the failing of the anchorage points, as well as using unauthorised or damaged body harness’ parts (ropes, fall-impact-absorbers, tether).

3.4 Mounting

- The screw-on surface must be level and have at least the diameter of the contact surface of the anchorage point. The sufficiently deep, threaded hole must be at the centre of the contact surface, at a right angle. It must be possible to insert the screw fully (with blind holes).
- Clean the threaded hole prior to each use and check for damage.
- The minimum screw penetration values are: 1 x M for steel (Rm > 360N/mm²) 1.25 x M for cast steel (M = thread size, e.g. M20 = 20 mm)
- Additional elements (such as washers) between the anchorage point and the anchorage system are not permitted.
- Prior to each use, ensure that the anchorage point is fully screwed in and that the contact surface is flush with the load.
- If the anchorage point is intended to remain permanently attached to the anchorage system, it must be tightened with an appropriate tool with a torque as listed in table 1. If necessary (i.e. in case of vibrations), the thread must be secured with a liquid threadlock (e.g. Loctite).
- After assembly, ensure that there is no risk of incorrect loading by aligning the anchorage point in the expected load direction by moving the ring.

3.5 Dismounting

To remove the anchorage point, unscrew it with a suitable tool. Store the anchorage point as described in „Storage“. Take appropriate measures to protect the thread on the anchorage system from damage and dirt.
A suitable tool for assembly and disassembly can be found in the current catalog, resp. please contact our technical service.

4. Inspection, maintenance, repair

WARNING **The safety of the user is contingent upon the effectiveness and durability of the equipment used. For this reason, ensure that inspections are performed on a regular basis. Damaged anchorage points may fail during normal conditions of use.**

- This product must be inspected by a competent person at least once a year and in accordance with the manufacturer‘s instructions. Depending on the conditions of use and legal stipulations, this interval may be shorter. In case of frequent use, we recommend a crack test every two years.
- During tests, all parts must be checked for damage that could impact safety and function.
- For the regular inspection and the crack test, all parts must be free from oil, dirt and rust. Appropriate cleaning processes include those that do not cause overheating, cover up surface defects or cause hydrogen embrittlement or stress crack corrosion.
- Load testing all the way up to the proof force is not permitted for these anchorage points.

Competent persons are persons who are capable of assessing the operationality and correct usage of this product, either based on their technical qualifications (e.g. training) or their experience with and sufficient knowledge of the use of personal fall protection equipment, and who are familiar with the relevant standards and regulations.

If you are interested in an expert training module, please contact our technical service.

4.1 Inspection

Before each use, the following checks should be performed:

- Correct selection of product size based on the number of persons to secure (see table 1).
- The anchorage point is functioning correctly (ring is rotatable and/or foldable) and none of the parts look damaged, (this is particular relevant for the threads).
- The contact surface must fully rest on the substructure after the anchorage point has been screwed in.
- The ring of the anchorage point used must be aligned with the expected load direction.

Regular inspection:
Regular inspections must be performed by the manufacturer or a competent person, in strict accordance with the manufacturer‘s instructions.

4.2 Discard criteria

- Breakage, deformations, sharp notches or cracks of any kind.
- Signs of excessive heat exposure (e.g. black discolouration, burn marks in the coating).
- Visible damage to the thread that could impair the correct functioning of the product.
- Illegible markings.
- Wear or excessive corrosion, if the admissible cross-sectional reduction of 10 % is exceeded.
- If it is not possible to freely rotate and/or fold the ring after assembly.

CAUTION **If there is any doubt on the correct functioning/ safety of the anchorage point, it must be discarded!**

4.3 Procedure in case of accidents or faults

If the anchorage point ring’s connecting elements become jammed, do not use force in order to avoid further damage. If the anchorage point is malformed
(e.g. due to overloading or after a fall) or other exceptional occurrences, the anchorage point must be immediately removed from operation and a qualified member of personnel should inspect it and/or repair it.

4.4 Maintenance

- If necessary, clean all the parts using a damp cloth. Leave the anchorage point to air-dry.
- The thread may be cleaned using a wire brush.

•4.5 Repairs

- Records must be kept of all inspections and repairs for the entire lifespan of the product. A sample documentation sheet is available for download at www.pewag.com.
- Repairs may only be performed by the manufacturer or a competent person.
- Refer to the latest catalogue for spare parts such as screws. Alternatively, contact our technical service.
- Small cuts, notches and grooves may be removed by careful grinding or filing. After the repair, the treated area must merge smoothly with the surrounding area, without the cross-section changing abruptly. By fully removing the defect, the dimension of the area must not be reduced by more than 5 %.
- Welding and heat treatment is not permitted.

This product is labelled with an individual number in the format „YY/xxxx“. „YY“ is the year (e.g. 18 for 2018) and „xxxx“ is the continuous number that clearly identifies each anchorage point of a certain type (e. g. type PLGWI PSA M12).

5. Storage

This product must be stored in a clean and dry condition and protected against corrosion (e.g. lightly oiled).
The anchorage point must not be exposed to corrosive, thermal or mechanical influences during storage or transport. The thread should be protected by an appropriate protective cap or net.

6. Removal from service

The product has a high metal content and is fully recyclable. At the end of its lifespan, the product must be recycled in accordance with local regulations.

Type	Number of people to secure	Torque (If intended to remain permanently attached to the anchorage device, see section on „assembly“)
Metric-thread M12	Max. 1 person	25 Nm
Metric-thread M16	Max. 2 persons	50 Nm

Table 1

7. Declaration of incorporation



Translation of the original declaration of incorporation

within the meaning of EU regulation 2016/425

The manufacturer,

pewag austria GmbH, A-8605 Kapfenberg, Mariazellerstraße 143 a
of the product

PLGWI-PSA pewag winner gamma inox
Anchor point for personal protective equipment

- Hereby declares that the following health and safety requirements according to Appendix II of the regulation specified above are being complied with: 1.1.; 1.2.; 1.4.; 3.1.2.2.
- The special technical documents according to Appendix III have been compiled.
- The special technical documents referred to above shall be forwarded to the competent authorities in electronic form.

Authorised representative for the preparation of the technical documentation:
Ranko Ivanic, pewag austria GmbH, A-8605 Kapfenberg, Mariazellerstraße 143 a.

Applied harmonised standards, in particular:
EN 795:2012: Personal fall protection equipment. Anchor devices.
EN 365:2004: Personal protective equipment against falls from a height.
General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging

Other applied technical standards and specifications:
DIN CEN/TS 16415: Personal fall protection equipment. Anchor devices.
DGUV GS-HM-36: Principles for the testing and certification of anchor points.
OSHA 1910.140(c)(13): Personal fall protection systems - anchorages.
OSHA 1926.502(d)(15): Fall protection systems criteria and practices - anchorages
EN 50308 section 4.5: Wind turbines – Protective measures – anchorage points

The notified body WUU, Pikartská 1337/7; 716 07 Ostrava-Radvanice, Czech Republic;
ID number 1019 has performed the type examination and issued the type examination certificate:

Typ/Size	PLGWI-PSA M12	PLGWI-PSA M16
Certificate number:	3076-412/Q/2020	3076-413/Q/2020

The product is subject to the following conformity assessment procedure:
Conformity with the type on the basis of quality assurance measures related to the production process (module D).

Notified body for the examination of the quality assurance system according to Appendix VIII:
Certification body of the TÜV SÜD Landesgesellschaft Österreich GmbH
Campus 21 Europaring A04301, A-2345 Businesspark Wien Süd, Austria

Commissioning of the product is forbidden until it has been ensured that, wherever applicable, the anchor device to which the product specified above is attached complies with the regulations of standard EN 795:2012 and/or DIN CEN/TS 16415.

Kapfenberg, 01-09-2023

Stefan Duller
General Manager

pewag austria GmbH, A-8605 Kapfenberg, Mariazeller Straße 143

Prior to using this product for the first time, the operating manual must have been read and understood in full.

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Technical changes and misprints excepted.