

pewag



D	Gebrauchsanleitung pewag Sicherheits-Greifklemme BLCW
E	Owner's Manual pewag safety plate lifting clamp BLCW
F	Mode d'emploi Pinces à tôles de sécurité pour plaques pewag BLCW
NL	Gebruikershandleiding pewag veiligheidsplatenhijsklem BLCW

D

Lesen Sie die Gebrauchsanleitung vor Benutzung des Produkts sorgfältig durch.
Bei Fragen wenden Sie sich bitte an Ihren Zulieferer.
Die Gebrauchsanleitung dient während der gesamten Lebensdauer des Produkts als ständige Informationsquelle.
Für Hinweise oder Anmerkungen zur Verbesserung des Inhalts dieser Gebrauchsanleitung sind wir dankbar.
Aufgrund kontinuierlicher Forschungs- und Entwicklungsprozesse behalten wir uns technische Änderungen und/oder Änderungen äußerlicher Merkmale der Lastaufnahmemittel vor.

E

Please read the safety instructions of this owner's manual carefully before using the safety lifting clamp.
In case of any doubts, please refer to your dealer!
Our manuals are intended to be a reference source throughout the lifetime of your product. We appreciate any suggestions, and/or comments regarding this manual.
Due to continuing research and development activities, product specifications are subject to change without notice.

F

Lisez attentivement ce mode d'emploi avant d'utiliser la pince.
En cas de doute: demandez conseil à votre fournisseur.
Nos modes d'emploi ont pour but de servir de référence durant la durée de vie de votre produit.
Nous apprécions les suggestions et/ou les remarques concernant ce mode d'emploi.
En raison des activités continues de recherche et de développement, les spécifications techniques et l'apparence des pinces peuvent être changés sans avis préalable.

NL

Lees deze gebruiksaanwijzing aandachtig door, nog voordat u de hijsklem gebruikt.
Bij twijfel raadpleeg uw leverancier!
Deze gebruikershandleiding is bedoeld als referentiebron gedurende de levenscyclus van uw product.
Commentaar en op- of aanmerkingen met betrekking tot de inhoud van deze handleiding wordt op prijs gesteld.
In verband met voortdurende onderzoeks- en ontwikkelingsactiviteiten, kunnen technische specificaties en/of uiterlijke kenmerken van de hijsklemmen zonder voorafgaande kennisgeving gewijzigd worden.

Owner's Manual

safety plate lifting clamp BLCW

Contents

1. General	8
2. Permitted Applications	8
3. Description of Functions	9
4. Safety Instructions	9
5. Lifting	10
6. Maintenance	10
7. Disassembling/Assembling	10
8. Overhaul	11
9. Disposal	11
10. Troubleshooter's Checklist	11
11. Warranty	11
12. Conditions and Specifications	11
13. Safety Inspection	12
14. Inspection Schedule	12

E

1. General

Please read the instructions in this user's manual carefully before using the lifting clamp. If you have any doubts, please consult your dealer.

Thank you for choosing one of our high-quality products. The quality systems of management and services of pewag austria GmbH fully comply with ISO 9001 standards. The many years of vast experience are a guarantee of optimum quality and safety. pewag lifting clamps are manufactured from high quality alloy steels and comply fully with all relevant standards and product requirements including: European standard: EN 13155, Australian standard AS 4991, US standard ASME B30.20-2010 and machinery directive 2006/42/EG.

2. Permitted Applications

The pewag BLCW clamp is equipped with two clamping jaws which are fitted with special plastic to avoid damaging the lifting object. The pewag BLCW clamp is suitable for the vertical lifting and transporting of a wide range of products with parallel flat sides such as ferrous and non-ferrous metal plates, structures, aluminium, wood, plastic, concrete and stone, with the exception of rough-cast concrete. The clamp does not cause any damage to the lifting objects during lifting. The clamp is locked in the open position. By swivelling the lever and moving the lifting eye upwards the clamp closes and is now ready for lifting. If the lifting object is put down the clamp opens automatically. When using the pewag BLCW safety clamp only one (1) object may be transported or lifted at a time. The safety clamp is provided with a latch, so that when moving without load the clamp remains in the open position. To lift the above materials the BLCW safety clamps can be used per item, per set or with multiple clamps simultaneously. When using two or more clamps it is important that each clamp is loaded proportionally. In this case we recommend using a spreader beam. Additional technical documentation is available from the manufacturer.

3. Description of Functions

Place the clamp in the open position on the object, so that the legs of the clamp are fully on the object. Ensure that the plate surface where the clip is to be placed is completely free of dirt, grease, oil, corrosion and contamination; then swivel the safety lever. When the crane starts lifting the clamp will close; support the clamp until it is tight and then continue lifting. When the load reaches its destination allow the hook to drop down far enough so that the clamp is not under any load, i.e. the lifting chain is no longer tight and the clamp with chain can be moved freely. Now close the safety lever. The clamp can now be used again immediately or stored in the open position.

4. Safety Instructions

Remember: Safety first! Especially where your personal safety and that of people in the immediate vicinity is concerned. Carefully read the following safety instructions before using your new BLCW safety lifting clamp. Ensure your own safety and continue to benefit from our product safety by having the clamp inspected, tested, and, if necessary, overhauled at least once (1x) a year by pewag austria GmbH or another recognised mechanical repair and service centre. See also Chapter 8 – Overhaul. It is not permitted to make any structural modifications to the clamps, for example by means of welding or grinding. Please contact pewag austria GmbH for further information.

Temperature

The operating temperature of the pewag BLCW lifting clamps is between -10 °C (14 °F) and +30 °C (86 °F). Please consult with your dealer if other ambient temperatures are applied.

Loads

Due to their wide gripping range our clamps are suitable for lifting and transporting a variety of different objects. The clamping jaws are not suitable for placing on inclined or conical shaped surfaces. If the crane hook has no safety device and/or is too big and too heavy, use a length of chain with masterlink-closure of approximately 75 cm (30 inch) length with a strength that corresponds to the WLL of the clamp in order to ensure that when the load hook is rested down the crane operator does not allow the hook to drop so far that it falls out of the lifting eye. When hanging directly on the crane hook with safety device ensure that the crane hook can move freely in the lifting eye.

Avoid life-threatening situations

Avoid life-threatening situations by complying with the following guidelines:

- Never operate an untested lifting clamp
- Always keep a distance during the hoisting operation and never stand underneath the load
- Do not use the clamp if it is damaged. Have the clamp repaired by pewag austria GmbH or another authorised mechanical repair and service centre. When in doubt: contact your supplier
- Never hoist more than one plate at a time
- Never hoist loads heavier than the safe working load limit (WLL), as is clearly indicated on the clamp and the test certificate
- Never hoist loads that are thicker or thinner than the clamp opening, as indicated on the clamp and the test certificate
- When using more than one lifting clamp at the same time, arranged in a row, provide lifting slings or chains of a sufficient length to ensure that the angle between the slings or chains does not exceed 60 degrees
- When using more than one lifting clamp at the same time, arranged in parallel, use a trussed hoisting girder (equalising traverse girder) and sufficiently long lifting slings or chains, so that the lifting eye of the lifting clamp is never subjected to a lateral load
- Never place the clamp onto tapered or conical parts of the load to be hoisted
- Remove all grease, oil, corrosion and contamination from the plate at the point where the lifting clamp is to be attached
- The clamp is only suitable for use in normal atmospheric conditions

Safety precautions

- A free fall or uncontrolled swaying movement at the crane hook resulting in objects being struck may cause damage to the clamp. If this occurs, check whether the clamp is in good working order before use it again
- Lifting clamps are not suitable for creating permanent joints
- Preventive maintenance to the clamp should be carried out on a monthly basis. See Chapter 6 – Maintenance
- Do not perform structural modifications to the clamp (such as by welding, grinding, etc.). Such modifications may adversely affect its operation and safety, thereby nullifying any forms of warranty and product liability
- This is also the reason to only make use of original pewag replacement parts
- Any improper use of the clamp and/or failure to observe all directions and warnings in this user's manual concerning the use of this product may endanger the health of the user and/or people in the immediate vicinity

5. Lifting

- Ensure that the safe working load limit (WLL) and jaw opening (punched on the clamp), correspond to the load to be lifted
- Mount the lifting clamp onto the hoisting mechanism, either:
 - directly to a crane hook by means of a safety shackle
 - by means of a U bolt or D shackle
 - by means of a sling or chain, if necessary in conjunction with a U bolt or D shackle
- Ensure that all attachments have been tested and are of the correct tonnage
- Make sure that coupling links and shackles are large enough to allow the clamp to move freely in the hook
- Make sure the clamp has no visible signs of damage
- Check the lifting eye and chain for clearly visible wear and/or damage
- Inspect clamping jaws for wear and defects (the clamping jaws must be free from dirt and must be dry and undamaged)
- Check the frame and the jaw for damage, cracks or deformation (this could indicate overload)
- Check that the clamp opens and closes easily (if it is stiff or heavy then the clamp must be inspected or removed from service)
- Ensure that at the location of the lifting clamp the plate is free from grease and dirt
- Place the jaw completely over the plate and make sure the clamp is positioned so that the load is balanced when lifting
- Close the clamp by swivelling the lever
- Lift gently so that the lifting force can engage, check that the clamp does not slip
- If the load slips, read through this chapter on lifting again
- If the load continues to slip, please also check Chapter 6 – Maintenance
- Make sure the load is firmly positioned before the clamp is removed

E

6. Maintenance

For optimal safety completely check the clamp at least once per month.

Do not use the clamp if:

- It is scratched or deformed
- The lifting eye is visibly deformed
- The spindles are visibly distorted
- The retaining pins are missing
- The side(s) of the legs at the location of the spacer pins is/are pressed in the jaw is damaged or dirty
- Camp is difficult to open or close

On finding any of the above defects, see Chapter 7 and Chapter 8.

7. Disassembling/Assembling

Disassembling

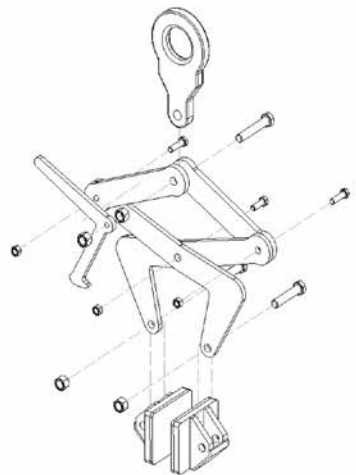
Important! Memorise the individual elements and their mounting positions during disassembling to ensure that during re-assembling they are mounted in the correct order and in the correct positions.

- Place the pewag BLCW clamp flat on a workbench
- Remove all nuts and bolts from the clamp
- Remove the plastic jaws
- Remove the legs and all spacers

Assembling

When assembling the clamp carry out the above steps in reverse order.

- Always use new locknuts and if necessary use new bolts and new retaining pins
- Tighten all the nuts with such a torque that each fixed arm and/or leg of the clamp can move without clearance. If in doubt, contact one of our technicians
- After Assembling, the clamp should be tested on a certified test bench with a test load of 1.2 x WLL



8. Overhaul

At least once (1x) a year, or if the clamp becomes damaged, the BLCW safety lifting clamp must be inspected, tested and if necessary, overhauled by pewag austria GmbH or an authorised mechanical repair and service centre.

9. Disposal

Once the BLCW safety lifting clamp has reached the end of its useful life, it can be treated as scrap iron, provided that the clamp is rendered unfit for further use.

10. Troubleshooter's Checklist

Fault	Possible Cause	Action
Load slips	Load dirty	Clean load
	Clamping jaws dirty	Clean clamping jaws
	Legs bent open	Reject clamp
Body bent	Clamp overloaded	Reject clamp
Lifting eye oval	Clamp overloaded	Reject clamp
Spindles bent	Clamp overloaded	Reject clamp
Retaining pins missing	Incorrectly assembled	Fit new retaining pins
Clamp opens/closes stiffly	Clamp worn	Reject clamp
	Clamp dirty	Clean clamp
	Bolts fitted too tightly	Adjust the bolts

11. Warranty

pewag austria GmbH provides end users with a 5 year warranty on its lifting clamps. This warranty is applicable to the original end user of the lifting clamps. This warranty applies only if the clamp has been inspected, checked and maintained in line with the manufacturer's and distributor's instructions during the entire warranty period. This warranty period of 5 years is valid from the day of purchase, and is subject to all conditions and measurements stated in this document.

12. Conditions and Specifications

This warranty only covers faults which are the consequence of production errors which occur during normal use. The warranty covers no wear to components such as pivots, pressure feet, cam assemblies, lock springs etc. Should there be any kind of failure within this warranty period, the lifting clamp will be replaced or repaired following assessment by of the producer.

No warranty is given to clamps with faults due to the following:

- Normal wear
- Overload
- Wrong and/or careless use
- Damages
- Not following procedures and measures
- Hoisting differing material other than indicated on clamp or stated in the user's manual
- Adapting and/or modifying of the pewag clamp
- The incompetent use of the clamp, and not following all indications which are stated in the user's manual
- When maintenance and/or revision has not been carried out by an authorised pewag distributor

The producer is not responsible for incidental damage or damage due to incorrect use of the lifting clamps as well as from violation of this manual.

13. Safety Inspection

All inspections and repairs must be recorded in the maintenance diagram. This does not only apply to your own inspections but also for inspections which are carried out by your authorised pewag distributor. When the clamp is handed in for maintenance and inspection, you must always provide the maintenance diagram.

Defective Lifting Clamps

When a form of wear or damage is indicated, you must take the following measures:

- Take the lifting clamp out of service (note the date of failure of the lifting clamp)
- Try to identify the cause of the failure (complete list is available in Chapter 10). Such damages are not covered by the warranty! To guarantee your own safety and that of your colleagues you are obliged to follow this procedure
- Return your lifting clamp (with the maintenance history) to an authorised mechanical repair centre
- If the lifting clamp has been revised/repared, you can safely use your clamp again. Please note this date in your maintenance chart

14. Inspection Schedule

Months	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
Years	1			2			3			4			5		
Safety inspections by your own inspector	█	█		█	█		█	█		█	█		█	█	
Maintenance by an official pewag distributor			█						█						
Revision by an official pewag distributor						█						█			

Konformitätserklärung

gemäß Anhang VII A der Maschinenrichtlinie 2006/42/EG 2010 für Lastaufnahmemittel:

Bevollmächtigter für techn. Unterlagen gemäß Anhang VII Teil A:

DI Bernhard Oswald; Gaslaternenweg 4; A-8041 Graz

Wir erklären in alleiniger Verantwortung, dass die Produkte für welche diese Betriebsanleitung gilt, die Bestimmungen der Richtlinie 2006/42/EG erfüllen.

Folgende Norm(en) wurden angewendet: EN 13155

Bei jeder nicht von pewag bewilligten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit. Voraussetzung für die Inbetriebnahme ist, dass die Betriebsanleitung gelesen und verstanden wurde.

Declaration of conformity

Pursuant to Appendix II A of Machinery Directive 2006/42/EC for lifting tackle:

Authorised representative for technical documents pursuant to Appendix VII, part A:

DI Bernhard Oswald; Gaslaternenweg 4; A-8041 Graz

We hereby declare with full responsibility, that the products to which these operating instructions apply satisfy the provisions of Directive 2006/42/EC. Any alteration of the product not authorised by pewag shall invalidate this declaration.

The following standards were applied: EN 13155

Prerequisite for putting this product into service is that the operating instructions have been read and understood.

Déclaration de conformité

En conformité avec l'annexe II A de la directive « Machines » 2006/42/CE pour élingues:

Personne autorisée à constituer le dossier technique suivant l'annexe VII partie A:

DI Bernhard Oswald; Gaslaternenweg 4; A-8041 Graz

Nous déclarons sous notre seule responsabilité que les produits auxquels la présente notice de service s'applique, répondent aux exigences de la Directive 2006/42/CE. Toute modification du produit non approuvée par pewag entraîne la cessation de la validité de la présente déclaration.

Les normes suivantes ont été utilisées: EN 13155

La condition préalable à la mise en service est l'étude et la compréhension de la notice de service.

Verklaring van overeenstemming

Conform bijlage II A van de machinerichtlijn 2006/42/EG voor aanslagmiddelen:

Gemachtigde voor techn. documentatie conform bijlage VII deel A:

DI Bernhard Oswald; Gaslaternenweg 4; A-8041 Graz

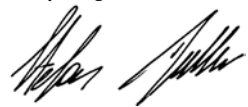
Wij verklaren onder uitsluitende verantwoordelijkheid dat de producten waarvoor dit bedrijfsvoorschrift geldt, voldoen aan de bepalingen in richtlijn 2006/42/EG. Bij elke niet door pewag goedgekeurde wijziging verliest deze verklaring zijn geldigheid.

De volgende normen zijn gebruikt: EN 13155

Voorwaarde voor de inbedrijfname is, dat het bedrijfsvoorschrift is gelezen en begrepen.

Graz, 2014-06-02

pewag austria GmbH



ppa. Stefan Duller

pewag austria GmbH
A-8041 Graz, Gaslaternenweg 4
Phone: +43 50 50 11-0
Fax: +43 50 50 11-100
saleinfo@pewag.com
www.pewag.com

