

pewag



D	Gebrauchsanleitung pewag Schachtringklemmen BCW/BCW-A
E	Owner's Manual pewag pipe lifting clamp BCW/BCW-A
F	Mode d'emploi Pinces à regards BCW/BCW-A
NL	Gebruikershandleiding pewag veiligheids hijsklem voor buizen BCW/BCW-A

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 pewag pipe lifting clamp BCW/BCW-A

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1. General

Please carefully read the instructions in this user manual before using the lifting clamp. If you have any doubts, please consult with 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. Applications

The pewag BCW/BCW-A clamps are specifically designed for vertical lifting and transporting concrete tubes and pits. The moveable pressure plate includes a wear-resistant synthetic coating. Always use the BCW/BCW-A clamps in pairs or per 3 clamps.

3. Operating instructions

Place the pewag BCW/BCW-A clamps accurately on the edge of the concrete tube in such a way that the housing is completely over the concrete up to the end of the depth of the jaws. Lift the load slowly. Upon reaching the destination, lower the load gradually onto a firm underground. Lower the crane hook until the clamps are completely free of the load, in other words, the lifting chains are no longer taught and the clamp can move freely. Push the pressure plate down while holding the frame. Now the clamp is open and can be removed from the concrete tube.

4. Safety Instructions

Remember: safety first! Especially where your personal safety and that of the immediate bystanders is concerned. Carefully read the following safety instructions before using your new pewag BCW/BCW-A 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 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 constructive 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 BCW/BCW-A lifting clamps lies between $-40\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$) and $50\text{ }^{\circ}\text{C}$ ($122\text{ }^{\circ}\text{F}$). Please consult with your dealer if other ambient temperatures are applied.

Loads

The pewag BCW/BCW-A clamps are specifically designed for vertical lifting and transporting concrete tubes and pits. Do not exceed the WLL specified on the clamp. Use a chain (chain sling) with a strength that corresponds with the WLL of the clamp, while taking into account a top angle of maximum 30° .

Avoid life-threatening situations

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

- Never operate with 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 recognized mechanical repair and service center. When in doubt: contact your supplier
- Never hoist loads heavier than the safe work load (WLL), as is clearly indicated on the clamp and the certificate
- Never hoist loads that are thicker or thinner than the clamp opening, as indicated on the clamp and the certificate
- The BCW/BCW-A clamps can only be used in pairs or per 3 clamps aided by a 2-leg, a 3-leg or a 4-leg chain sling
- Remove all grease, oil, dirt, corrosion and contamination from at the point where the lifting clamp is to be attached
- The clamp is only suitable for use in normal atmospheric conditions

Warning

- A free-fall or uncontrolled swinging 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 using 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 constructive modifications to the clamp (such as by welding, grinding, etc.). Such modifications may adversely affect its operation and safety. If you carry out any modifications, you will nullify all forms of guarantee 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 manual concerning the use of this product may endanger the health of the user and/or bystanders

5. Lifting

- Check whether the Working Load Limit (WLL) and the jaw opening (stamped in the clamp) correspond with the load that has to be lifted
- Attach the lifting clamp to the hoisting equipment:
 - By means of a belt or chain, in combination with a connecting link or D shackle, if necessary
- Make sure all attachment devices are approved and are of the correct tonnage. Make sure all the attachment links and securing devices are sufficiently large, so that the hook can move freely
- Check that the clamp has no visible damage
- Inspect the clamping blocks for wear and defects. The clamping blocks should not be covered with dirt, oil or grease; they must be dry and undamaged
- Check the jaw for damage, cracks or deformation (which is indicative of overload)
- Check whether the clamp opens and closes smoothly. If this does not go smoothly, the clamp should be taken out of operation in order to inspect it
- Remove any dirt and grease from the concrete tube/pit at the locations of the lifting clamp
- Place the jaws completely over the tube/pit and make sure that the clamp is placed in such a way that the load is balanced during the lift
- Lift calmly so that the lifting force can grip. Check whether the clamp slips or not
- If the load slips, reread this Chapter about lifting
- If the load continues to slip, read then the next Chapter: Chapter 6 – Maintenance
- Make sure the load is stably positioned before the clamp is removed

E

6. Maintenance

For maximum safety, inspect the lifting clamp at least once a month.

- Do not use the clamp if:
 - It is cracked or deformed;
 - The plastic coating is damaged or contaminated.
 - The gusset is visibly deformed.
 - The retaining pins are missing.
 - The clamping jaws are damaged or contaminated
- Clamp is difficult to open or close

If any of the above defects are found, see Chapters 7 and 8.

7. Disassembling/Assembling

Disassembling

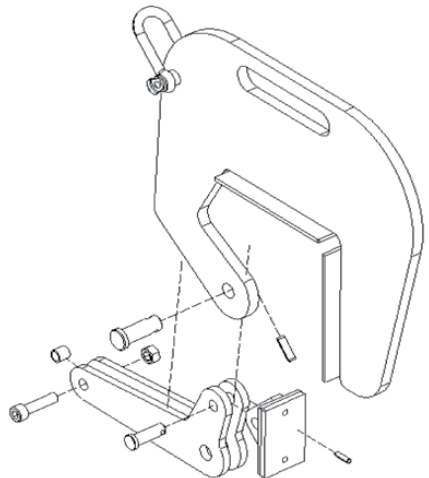
Important! When disassembling, mark all components in such a way that they can be remounted in the correct position and in the right location.

- Lay the pewag BCW/BCW-A clamp on a working bench
- Dismount all nuts and bolts from the clamp
- Dismount the spacer and the retaining pins
- Dismount the small and large hinge pins so that the gusset and pressure segment become loose
- Dismount the shackle from the clamp
- Clean all parts using a standard degreasing agent.

Assembling

When assembling the clamp, carry out the aforementioned in reverse order. Always use new check nuts, and perhaps new bolts and new retaining pins. In case of doubt, consult one of our technicians. After assembly, the clamp should be tested on a certified test bench with a test load of 2 x WLL.

The winner KRW 7 coupling ring can be used to connect the chain and the lever.



8. Overhaul

At least once a year, or if occasioned by damage to the clamp, the pewag BCW/BCW-A safety lifting clamp should be inspected, tested and, if necessary, overhauled by pewag austria GmbH or a recognized mechanical repair and service center.

9. Disposal

Once the pewag BCW/BCW-A 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 use.

10. Troubleshooter's Checklist

Fault	Possible Cause	Action
Load slips	Load is dirty	Clean the load
	Clamping jaws are dirty	Clean the clamping jaws
	Gripper opening bent	Reject clamp
Housing bent	Clamp overloaded	Reject clamp
Hinge pins are crooked	Clamp overloaded	Reject clamp
Retaining pins missing	Incorrect installation	Fit new retaining pins
Clamp opens/closes stiffly	Clamp is worn out	Reject clamp
	Clamp is dirty	Clean the clamping jaws
	Bolts too tightly fastened	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. 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 specifications stated in this document.

12. Conditions and Specifications

This warranty only covers failures in the lifting tools which is 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 guarantee period, the lifting tool will be replaced or repaired to insight of the producer.

No warranty is given to clamps due to the following failures:

- Regular wear
- Overload
- Wrong and/or carelessly use
- Damages
- Not following procedures and measures
- Hoisting differing material other than indicated on clamp or stated in the user-manual
- Adapting and/or modifying of the pewag clamp
- The injudicious use of the clamp, and not succeeding all indications which are stated in the user's manual
- When maintenance and/or revision has not been carried out by a recognized mechanical repair and service center

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

13. Safety Inspection

All inspections and repairing must be written down in the maintenance diagram. This counts not only for your own inspections but also for inspections which are carried out by your authorized pewag distributor or recognized mechanical repair center. When the clamp is handed in for maintenance and inspection you always must provide the maintenance diagram.

Defective Lifting Clamps

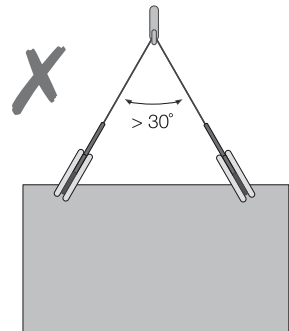
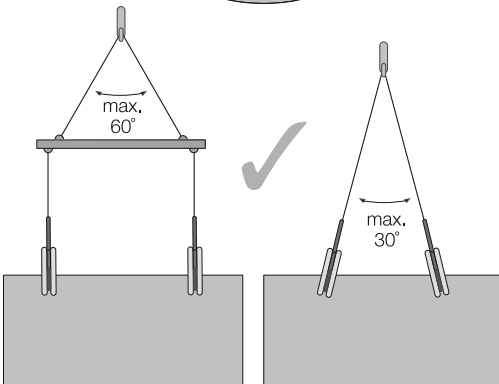
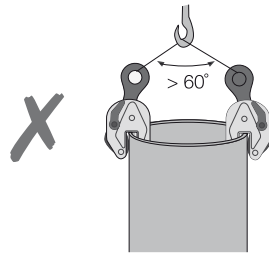
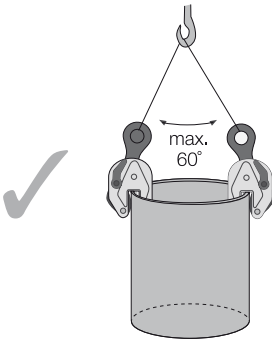
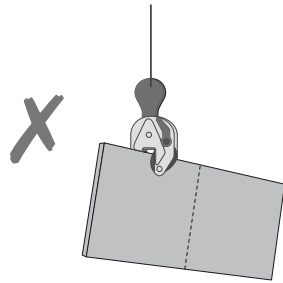
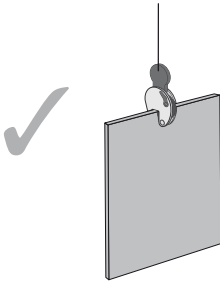
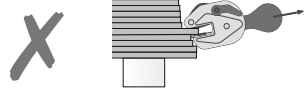
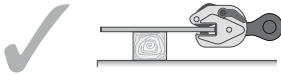
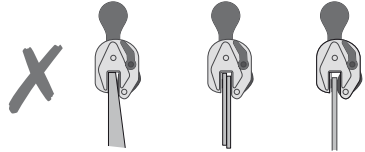
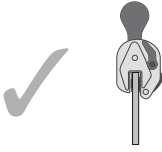
When a form of wear or damage is indicated, you must take the following measures.

- Take the lifting clamp out of use (note the date of failure of the lifting clamp)
- Try to recover the cause of the failure, for example (complete list is available in Chapter 10): These claims do not fall under the guarantee! To guarantee the security of you and your colleagues you are obliged to follow up this procedure
- Return your lifting clamp (with the maintenance history) to your authorized pewag distributor or recognized mechanical repair center
- If the lifting clamp has been revised/repared by your distributor or recognized mechanical repair center, you can safely use your clamp again. Please note this date in your maintenance chart (see page 25)

14. Inspection Schedule

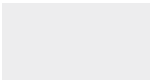
Months	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
Years	1			2			3			4			5		
Safety inspections by your own inspector	■	■		■	■		■	■		■	■		■	■	
Maintenance by an official pewag distributor			■						■						
Revision by an official pewag distributor						■						■			


Gefahrlos Heben/Safe lifting/Lever en sécurité/Veilig Hissen




Wartungsplan/ Maintenance chart/ Tableau d'entretien/Onderhoudsschema

	Remarks	Date	Signature
Year 1			
Year 1			
Year 1			
Year 2			
Year 2			
Year 2			
Year 3			
Year 3			
Year 3			
Year 4			
Year 4			
Year 4			
Year 5			
Year 5			
Year 5			


 Vom eigenen Sicherheitsbeauftragten durchzuführende Inspektionen
 Safety inspections by your own inspector
 Inspections de sécurité à exécuter par un inspecteur de sécurité interne
 Veiligheidsinspectie door uw eigen inspecteur


 Wartung durch einen anerkannten pewag-Reparaturfachmann
 Maintenance by a official pewag distributor
 Entretien par un réparateur pewag agree
 Onderhoud door een erkend pewag reparateur


 Revision durch einen anerkannten pewag-Reparaturfachmann
 Revision by a official pewag distributor
 Revision par un réparateur pewag agree
 Revisie door een erkend pewag reparateur

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.

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.

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

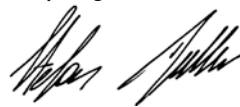
Nous déclarons sous notre seule responsabilité que les produits auxquels la présente notice de service s'applique, répondent aux exigences de la Directive 2006/42/CE. Toute modification du produit non approuvée par pewag entraîne la cessation de la validité de la présente déclaration.

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.

Graz, 2014-06-02

pewag austria GmbH



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