

WARRANTY CARD

1. KH Trading machines and tools are covered by 6/24 months warranty, starting on the date of purchase, as described in the Civil Code (proof of purchase or invoice receipt must be enclosed with the warranty card when making a claim).
2. This warranty does not cover defects caused by unprofessional handling, machine overloads, not complying with instructions contained in this manual, using accessories that are not approved, unauthorized repair, regular wear and tear and damages occurred during transport. Further, this warranty does not cover parts and accessories such as the motor, carbon brushes, seals and hot-air operated parts and parts that need to be changed regularly.
3. If the repair is to be found as not covered by the warranty policy, all costs including the repair and shipping to and from the repair centre will be paid by the customer, according to valid price list. See www.
4. When making a claim, you must present the warranty card, showing the date of the purchase, the serial number of the machine, vendor stamp and signature of sales clerk, as well as the proof of purchase receipt.
5. Warranty claim shall be made at the vendor shop where you bought your machine or you may mail it to a service centre. The vendor is obligated to fill out the warranty card (date of sale, serial number, vendor stamp and signature). All these information must be filled in at the time of sale.
6. The warranty period will be extended for the period of time for which the machine has been in the service centre possession. If the repair or defect is not covered by the warranty policy, all costs including the repair and shipping will be paid by the owner of the machine / tool. We recommend sending the machine in its original packaging. Please, also enclose brief description of the defect with the packaging.
7. Before sending the machine for repair, clean it thoroughly. If the received machine is dirty, it may be rejected by the service shop or you may be charged a cleaning fee.

SERVICE

Logistic centre Klecany

Topolová 483

250 67 Klecany

Czech Republic

Claim department phone number: 266 190 156

266 190 111

Fax:

260 190 100

<http://www.KHnet.cz>

Email: servis@KHnet.cz

T-mobile: 603 414 975

O2: 601 218 255

Vodafone: 608 227 255

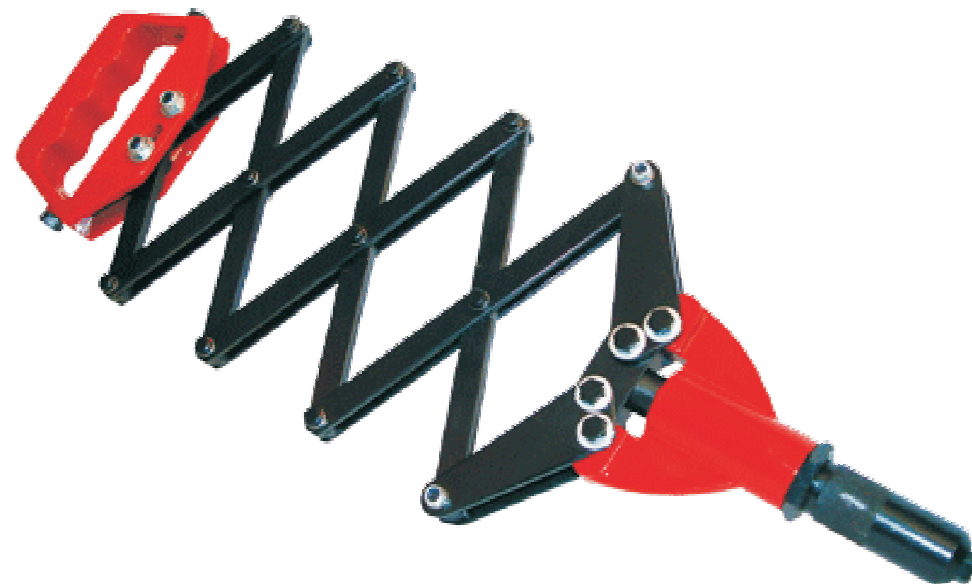
Product: HEAVY DUTY RIVETING PLIERS	
Type: 51470	Serial number (product series):
Date of manufacture:	Repair centre notes:
Date of sale, stamp, signature:	

Without the correctly filled warranty card or without proof of purchase receipt, including the product type (invoice, purchase receipt) no warranty claim will be processed.

uni-max

USER'S MANUAL

RIVETING PLIERS HEAVY DUTY



51470

Dear customer. Thank you for purchasing equipment from KH Trading, s.r.o.
Our company is ready to offer you our services - before, during and after you buy our product.
If you have any question, comment or idea, please contact our business centre. We will do our best to address your comment or question in timely matter.

Before first use, please read this manual carefully. It is your responsibility to study all instructions, necessary for safe use and operation and to understand all risks that may be involved during the use of power machines.

WARNING! Do not try to use this machine before reading this entire manual and before you know how to handle it. Keep this manual for future reference. Pay special attention to safety instructions. Not complying with safety rules may cause injury to the operating person or to people standing by or it may cause damage to the machine or to the work piece. Pay special attention to safety notes and safety labels on the machine. Never remove or damage them.

Please, write information such as the invoice number and the number of the sale receipt here in this box.

DESCRIPTION

Heavy duty riveting pliers with scissors conversion gear may be used for steel and aluminium rivets as well. Simple design and easy control ensure high productivity and reliability. Small size when folded is also a big advantage.

Note:
Spare jaws are located in the handle so you will not loose them but have them ready at all times.
The riveting action is done through the lever-mechanism gear and the force is aimed directly to the rivet, ensuring high strength of the joint.

TECHNICAL SPECIFICATIONS

Power	≥ 9,000 N
Maximum lift	10 mm
Rivet diameter	Ø 4; 4.8; 6.4 mm
Jaw diameter	Ø 2.4; 3.2; 4.1 mm
Rivet material	steel, aluminium
Outer dimension in folded stage	305 × 184 × 45 mm
Length when fully extended	about 81 cm
Weight	2.1 kg

The accuracy of instructions, graphs and information contained herein, depends on the printing date. Due to continuous product improvement, the manufacturer reserves the right to change technical parameters of the product, without prior customer notification.

REPAIR AND MAINTENANCE REPORT

Report and maintenance report:

DATE	REPAIR AND MAINTENANCE REPORT	SERVICE SHOP

SAFETY PRECAUTIONS

- **This tool may be used by a qualified person, 18 years or older who has been trained in work and environmental safety procedures.**

Symbols used in this manual



Warning!

This symbol informs you about the risk of personal injury or damage to the machine or materials.



Warning!

Danger of damage.



Note:

Additional information.



Use personal safety protection gear.



General instructions

- Plastic bags and packaging materials pose danger to small children or animals.
- Make sure you know how to control your tool or machine and that you are familiar with its operating procedure. Know the hazards that may occur, if not used correctly.
- Also make sure that the user of the tool has been properly trained in the tool operation and that he is aware of all risks that may occur during use.
- Always follow the safety instructions on the labels. Do not remove or damage them.
If the warning label becomes unreadable or damaged please, contact your vendor.
- Maintain your working area clean. Disorganized and dirty working area may cause accidents.
- Never work in tight working spaces or poorly lit rooms. Make sure that the floor is stable and that your work may be done comfortably. Always keep stable posture.
- Observe your work continuously and use all your senses during work. Do not continue working if you cannot pay attention.
- Maintain your tools clean.
- Handles must be kept free of grease and dirt.
- Make sure no children, unauthorized persons or animals have access to your workshop.
- Do not put legs or hands inside the working space.
- Never leave your machine unattended during operation.
- Use only for purposes for which it has been designed.
- Use personal protective gear such as safety goggles, ear protection, respirator, safe working shoes etc.
- Do not overreach and use both hands.
- Never work under the influence of alcohol or other drugs.
- Do not use the machine if you feel dizzy or weak.
- Any modifications or improvements to the machine are strictly prohibited. DO NOT USE if you discover bent part, crack or other damage.
- Never perform any maintenance while the device is in use.
- If you see any unusual sign or hear any strange sound, stop the device and stop working immediately.
- Do not forget to remove all wrenches and screwdrivers from your machine after use.

- Before use, make sure all screws are tighten securely.
- Perform maintenance regularly. Before use make sure the machine is in good working conditions and without any damage.
- Use only original spare parts during repairs.
- Using non-original spare parts or other parts not approved by the manufacturer may cause injury to the operating personnel.
- Use this machine only for work that is capable of handling. Do not overload tools, accessories or the machine. For large work volume use more powerful machine.
- Do not overload your device. Measure the work load in such way, so it could be done with comfortable speed. The warranty does not cover damages caused by overloads.
- Do not expose to extremely high temperature or direct sunlight.
- This machine is not designed for use in humid environments or under water.
- if you are not using your machine, store it in a dry and safe place, out of reach of children.
- Before turning your device on, make sure that all safety elements are working properly and effectively. Make sure all moving parts are in good working conditions.
- Before use make sure that no part is cracked or stuck, Make sure all parts are attached and assembled as designed. Beware of all other conditions that may have a negative effect on the proper functioning of your device.
- If not stated otherwise in this manual, all damaged parts must be repaired or changed.



Riveting

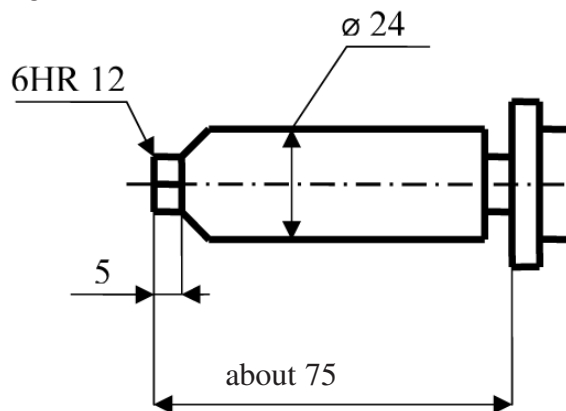
- Do not use the machine unless completely assembled according to instructions contained in this manual.

ASSEMBLY

- Before throwing the packaging material out, make sure no part is left inside. If so, take it out and install it. Use the part listing for check-up and the installation drawing for guidance.

OPERATION

Riveting head drawing (dimensions in mm)



PART LIST

Position	Name
1	End piece
2	Main body
3	Safety nut
4	Reduction piece
5	Jaws
6	Upper cover
7	Spring
8	O ring 18 × 2.4 mm
9	Upper cover
10	Main body
11	Connecting platform
12	Long arm
13	Short arm
14	Handle
15	Connecting block

Using your machine

- Chose the appropriate rivet cast (1) with the correct diameter based on the rivet shaft. The rivet shaft must move freely in the opening.

Note. The opposite rivet casts are stored in the handle.

- The available diameters are 2.4 mm, 3.2 mm or 4.1 mm.
- Screw the correct rivet cast in the gun cylinder (2).
- Release the safety nut (3).
- Screw out the cylinder thread (2) but make sure that small part of the cylinder still remains in the thread.
- Turn the riveting pliers upwards. Hold the gun (10) with one hand and press the lever down with your other hand.
- Turn the cylinder of the pliers (2) in order to set the position so the inner part is touching the three jaws (5).
- Secure the position of the cylinder (2) by tightening the safety nut (3).
- Push the shaft of the rivet inside the rivet cast opening and inside the three jaws until it sits on the front surface.

Note. After you pushed the rivet shaft between the jaws (5), you cannot pull it back out. The jaws will close in thanks to the spring (7).

- The diameter of the rivet holes in the adjoining parts, must be 0.1 mm larger than the outer rivet shaft diameter. The holes must be perpendicular to ensure maximum joint strength.
- Push the rivet in the riveting pliers straight down in to the perpendicular holes in the parts to be joined together.
- By pressing on the handle along its axes you will press the rivet completely down, while performing the riveting operation.

Note. Below the adjoining parts must be sufficient room for the rivet. The joining parts must be sufficiently strong or they must be appropriately supported by auxiliary pieces to prevent deformation of the joining parts.

- If the shaft of the rivet is not pressed down appropriately, continue in the riveting operation. Pull and press on the handle again.
- After you have successfully finished the riveting, the remaining shaft of the rivet will get torn out and the remaining piece will stay closed in the jaws.
- Turn the riveting gun up side down and push on the remaining shaft with a new rivet to drive the shaft out. The new rivet will be automatically fastened in the pliers.

Note. If you do not want to continue working, push on the remaining shaft with the new rivet, only make sure that the new rivet will not get fastened inside the pliers.

- If the safety nut (3) or the opposite rivet cast (1) get loose during work, tighten it immediately. Otherwise you will not get strong and high-quality joint.

MAINTENANCE

- Keep your tool clean. Dirt from tools may enter the inner tool mechanism and cause damages to the tool.
- Do not use aggressive cleaning solution or paint thinners to clean your tool.
- Clean plastic parts with cloth dipped in soapy water.
- Clean and lubricate metal surfaces with a cloth dipped in paraffin oil.
- If you are not using your tool, conserve it with grease and store it in dry place to prevent corrosion.

Detailed description of the use of this tool is not included in this manual, because the manufacturer / distributor assumes that the user is experienced in similar type of work. Also according to the applicable law, this tool is considered as a commonly sold and used tool. If the user is unfamiliar with the use of this tool, we recommend finding out more information about using this tool at the Department of work safety.

Lubrication

After work:

- Unscrew the cylinder (2), clean its inside from rivet cuts or other dirt and spray it with lubricant spray.
- Use the lubricant spray to prevent corrosion and to lubricate gear, studs etc.

DISPOSAL

When the operational life of your device is over, dispose off it in accordance with valid rules and regulations. Your product is made of metal and plastic parts that may be recycled when separated.

1. Disassemble all parts.
2. Separate all parts according to the material they are made of (e.g. metals, rubber, plastics, etc.).
Take the separated parts to the recycling facility near you for further processing.

Information about the location of recycling centres may be found at your local City office or throughout an Internet search.

CAUTION

If the machine breaks down, send it back to the vendor for quick repair. Please, enclose brief description of the defect. That makes repair easier. If the machine is still covered by warranty, enclose the warranty card and proof of purchase receipt. After the warranty period expires, we repair your machine for a special price.

To prevent possible damages during shipping, packed the machine carefully or use the original packaging material. We are not liable for shipping damages due to incorrect packaging of your machine. If making a claim at the shipping company the level and method of packaging plays a major role during claim evaluation process.

Note: Pictures and contents in this manual may slightly differ from the actual product or accessories. It is due to continuous improvement of our products. Such small differences have no effect on the product functionality.

DETAILED DRAWING

