

# Instruction Manual

Laser drilling device for producing a targeted borehole over a distance of up to 100 m.



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Be sure to read this user manual before use to ensure the safe handling of the Kletterwald Plochingen product.

When using the laser drilling device, this user manual must be made available to the installer and it must be ensured that the installer has read and understood it.

Keep the user manual sufficiently protected for future use. Leave a visible note of the storage location in the work area.

When creating a bore with the laser drilling device, the following technical standards and accident prevention regulations must, among others, be observed:

- BGI 533 Safety when working with hand tools
- DGUV Rule 112-192 Use of eye and face protection
- BG rule Use of protective gloves
- 3.21 Hand machines (Class No. 61)
- EN 61029-1:2000-05 Safety of portable motor-operated electric tools
- BGHM Occupational Safety Compact No. 011 Working with hand-held drilling machines
- EN 15567-1:2020-05 Sports and recreational facilities - High ropes courses - Part 1: Design and safety requirements

Furthermore, the following safety rules apply:

#### Safety rules for the use of a Class 2 laser target device

1. Eye protection:
  - Never direct the laser beam directly at the eyes of people or animals. Even though Class 2 lasers are considered relatively safe, the beam can cause temporary visual disturbances if viewed directly.
2. Blink reflex:
  - Be aware that the blink reflex offers some protection. However, do not rely solely on it to avoid eye injuries.
3. Target area:
  - Ensure that the target area is clear of people, animals, and reflective surfaces before activating the laser.
4. Use of safety goggles:
  - In the area where the laser is used, especially in the laser's target area and when the laser beam could be directed at reflective surfaces, all persons present must wear appropriate protective goggles.
5. Operating instructions:
  - Follow the instructions for the safe handling of the laser. Only turn the laser on when you actually intend to use it.
6. Storage:
  - Store the laser in a secure location out of the reach of children. Use a suitable storage pouch or box.
7. Maintenance:
  - Regularly inspect the laser for damage or malfunctions. If problems occur, contact the manufacturer or a qualified technician.

8. Emergency measures:

- In the event of an accident or injury, immediately inform a physician and state that a laser was used. Keep emergency contact information readily available.

9. Disposal:

- Dispose of the laser and its components in accordance with local regulations for electronic and hazardous waste.

10. Training:

- Ensure that all users have received appropriate training in handling the target laser to  
Understand and comply with safety regulations.

11. Disclaimer:

- The manufacturer is not liable for damages resulting from improper use of the laser. Only use the device in accordance with the instructions.

**WARNING:** No batteries are included!

Three LR44 batteries are required to operate the laser.



To insert the LR44 batteries, the power button **must be opened using the knurled screw** and closed again after insertion.



Calibrating the target laser using a construction laser.

The **target laser** can be adjusted by turning the **two** Inbusschrauben are to be calibrated in the horizontal and vertical plane.



Secure the laser drilling jig with a lashing strap.

Attention: the axis dimension of the drill guide must be at the height of the desired drill hole.

Turn on the laser by pressing the pushbutton on the rear of the laser.

Observe SAFETY INSTRUCTIONS!





After releasing the two clamping levers, the laser can be aimed at the target tree and the drill sleeve can be placed into the water.

Close the clamping levers.



Carry out the drilling while observing the rules of engineering practice.

Turn off the laser if possible.

If it is not possible to switch off the laser, do not look into the laser beam.

To prevent clogging of the drill guide, facilitate chip removal by regularly withdrawing the drill bit.

NOTES:

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We thank you for your trust in our products.

We hope that you are satisfied with the information and instructions and that our laser drilling device saves you time and improves the accuracy of your drilling. If you require further assistance, we are available at any time.

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Viel Freude bei der Umsetzung Ihrer Projekte mithilfe unserer Laserbohrvorrichtung!

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