BESSEY GSH12

BESSEY GSH12 Lever Clamp Classix Instruction Manual

Product Overview

The BESSEY GSH12 Lever Clamp Classix is a versatile and robust clamping tool designed for various applications, including woodworking and metalworking. It offers efficient and secure fastening with a high clamping force, making it a reliable choice for holding workpieces firmly in place.
Key features include:

- **Quick Operation:** Up to 5 times faster than traditional clamps.
- **Secure Hold:** Designed to remain unaffected by vibrations, ensuring a stable grip.
- **High Clamping Force:** Capable of delivering up to 7,500 N of clamping force.
- **Non-slip Trigger Release:** Provides controlled and safe release of the clamp.



This image displays the BESSEY GSH12 Lever Clamp Classix, highlighting its silver bar and red lever handle. The clamp is designed for quick and secure fastening.

Setup and Safety

Unpacking and Initial Inspection

Upon receiving your BESSEY GSH12 Lever Clamp, carefully remove it from its packaging. Inspect the clamp for any signs of damage that may have occurred during shipping. Ensure all components, including the fixed jaw, sliding jaw, bar, and lever mechanism, are intact and functioning correctly. Do not use the clamp if any damage is observed.

Safety Precautions

Adhering to safety guidelines is crucial when using any clamping tool. Always:

- Wear appropriate personal protective equipment (PPE), such as safety glasses, to protect against flying debris.
- Ensure the workpiece is stable and properly supported before applying clamping force.
- Avoid over-tightening the clamp, which can damage the workpiece or the clamp itself.
- Keep hands and fingers clear of the clamping area to prevent pinching.
- Do not use the clamp for lifting or as a structural support.
- Store the clamp in a dry, safe place when not in use.

Operating Instructions

Applying the Clamp

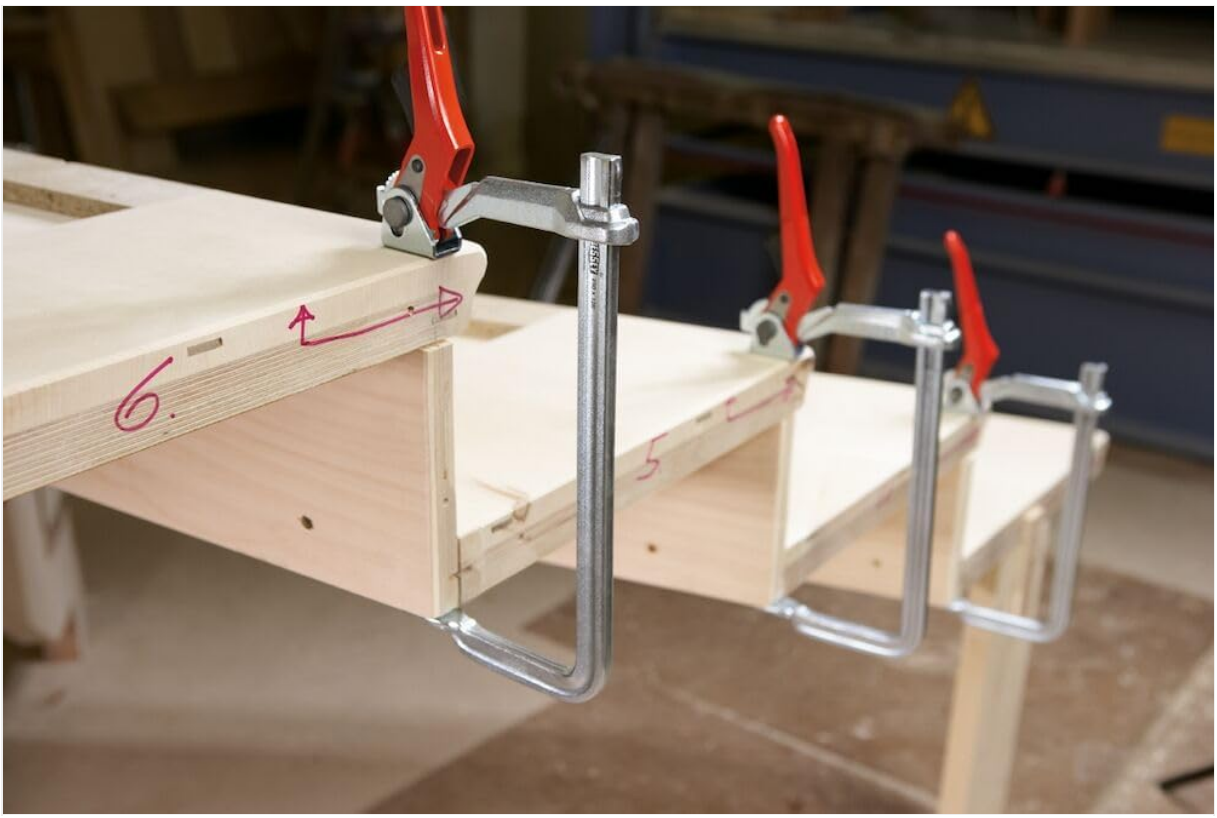
1. **Position the Workpiece:** Place the items to be clamped together on a stable surface.
2. **Open the Clamp:** Press the release lever or button (if applicable) and slide the movable jaw along the bar to open the clamp wider than your workpiece.
3. **Position the Jaws:** Place the fixed jaw against one side of the workpiece and slide the movable jaw until it makes contact with the other side.
4. **Engage the Lever:** Once the jaws are in position, operate the lever handle repeatedly to apply clamping force. The ratchet mechanism will secure the jaw in place with each pump of the handle.

Adjusting Clamping Force

The clamping force is increased by repeatedly squeezing the lever handle. Continue to pump the handle until the desired clamping pressure is achieved. Ensure the workpiece is held firmly without causing damage due to excessive force.

Releasing the Clamp

To release the clamp, locate the non-slip trigger release mechanism, typically a small lever or button near the main handle. Press or pull this mechanism to disengage the ratchet, allowing the movable jaw to slide freely along the bar. Carefully remove the clamp from the workpiece.



Several BESSEY GSH12 clamps are shown in use, holding together multiple wooden components on a workbench. This demonstrates the clamp's effectiveness in woodworking applications.



A series of BESSEY GSH12 clamps are aligned, firmly holding wooden stair components during construction or assembly, illustrating their use in larger projects.



Two BESSEY GSH12 clamps are shown holding metal workpieces together on a metal table, with sparks flying from a grinding operation in the background. This highlights the clamp's suitability for metalworking tasks.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your BESSEY GSH12 Lever Clamp.

Cleaning

After each use, wipe down the clamp with a clean, dry cloth to remove any dust, debris, or adhesive residue. For stubborn grime, a mild solvent or cleaner can be used, ensuring it does not damage the metal or plastic components. Dry thoroughly after cleaning.

Lubrication

Periodically apply a light machine oil or silicone spray to the sliding bar and the movable jaw mechanism. This helps ensure smooth operation and prevents rust. Avoid over-lubricating, as excess oil can attract dust and debris.

Storage

Store the clamp in a dry environment, away from excessive moisture or corrosive materials. Keeping the jaws slightly open can prevent them from seizing if stored for extended periods. Hang clamps on a rack or store them in a toolbox to prevent damage.

Troubleshooting

If you encounter issues with your BESSEY GSH12 Lever Clamp, consider the following common problems and solutions:

- **Clamp not holding securely:**
  Possible Cause: Insufficient clamping force applied, or jaws are dirty.
  Solution: Pump the lever handle more times to increase force. Clean the jaw faces to ensure good grip. Ensure the workpiece material is suitable for clamping.
- **Movable jaw is stiff or difficult to slide:**
  Possible Cause: Accumulation of dirt or lack of lubrication on the bar.
  Solution: Clean the bar thoroughly and apply a light lubricant as described in the Maintenance section.
- **Release mechanism is stuck or difficult to operate:**
  Possible Cause: Dirt in the mechanism or lack of lubrication.
  Solution: Clean the trigger release area and apply a small amount of lubricant. Ensure no debris is obstructing the mechanism.
- **Damage to workpiece from clamping:**
  Possible Cause: Excessive clamping force or direct contact with hard jaws.
  Solution: Reduce clamping force. Use protective pads (e.g., wood blocks, rubber pads) between the clamp jaws and the workpiece to prevent marring or indentation.

If problems persist after attempting these solutions, contact BESSEY customer support for further assistance.

Product Specifications

Model Number	GSH12
Brand	BESSEY
Material	Metal
Colour	Silver/Red
Item Dimensions (L x W x H)	18.5 x 11 x 3.5 Centimetres
Item Weight	0.48 Kilograms
Tensile Strength (Clamping Force)	Up to 7500 Newtons
UPC	788502202251

Warranty Information

The BESSEY GSH12 Lever Clamp Classix includes a 1-year EU Spare Part Availability Duration. For complete warranty terms and conditions, including details on coverage and how to make a claim, please refer to the official BESSEY website or contact their customer service directly. Keep your proof of purchase for warranty validation.

Customer Support

For technical assistance, product inquiries, or to report any issues not covered in this manual, please

contact BESSEY customer support. You can typically find contact information, including phone numbers and email addresses, on the official BESSEY website. When contacting support, please have your product model number (GSH12) and purchase details readily available.