

Meister 5136100

Meister Mini Vise 50 mm (Model 5136100) Instruction Manual

Model: 5136100 | Brand: Meister

INTRODUCTION AND PRODUCT OVERVIEW

The Meister Mini Vise 50 mm, model 5136100, is a versatile tool designed for securing small workpieces during various tasks such as model making and precision mechanics. Constructed from durable aluminum, this table vise features a robust clamping mechanism and an integrated 360° ball joint for flexible positioning. It includes soft clamping jaws to protect delicate materials.

This manual provides essential information for the safe and effective use of your Meister Mini Vise. Please read it thoroughly before initial use and keep it for future reference.

PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	5136100
Jaw Width	75 mm
Jaw Opening	0 - 60 mm
Maximum Table/Workbench Thickness	43 mm
Rotation	360° (via ball joint)
Material	Aluminum
Weight	940 Grams
Dimensions (L x W x H)	49 x 42 x 14 cm

SAFETY INSTRUCTIONS

Always follow basic safety precautions when using hand tools and vises. Failure to do so may result in injury or damage to the product or workpiece.

- Ensure the vise is securely clamped to a stable workbench or table before use.
- Do not overtighten the vise jaws, as this can damage the workpiece or the vise itself.
- Wear appropriate personal protective equipment (PPE), such as safety glasses, when working with tools and materials held by the vise.
- Keep hands and fingers clear of the clamping jaws during operation.
- Do not use the vise for purposes other than its intended use of holding workpieces.
- Inspect the vise for any damage before each use. Do not use if damaged.

SETUP

1. **Choose a Stable Surface:** Select a sturdy workbench or table with a maximum thickness of 43 mm.
2. **Attach the Vise:** Position the vise's clamp mechanism onto the edge of your chosen surface. Turn the bottom screw handle clockwise until the vise is firmly secured to the surface. Ensure there is no wobble.
3. **Adjust Ball Joint (Optional):** Loosen the side handle on the ball joint to adjust the angle and orientation of the vise head. Tighten the handle firmly once the desired position is achieved.



Figure 1: The Meister Mini Vise securely clamped to a workbench. The main screw for jaw adjustment and the ball joint for angle adjustment are visible.

OPERATING INSTRUCTIONS

1. **Open Jaws:** Turn the main handle counter-clockwise to open the vise jaws to the desired width.
2. **Insert Workpiece:** Place the workpiece between the jaws. If working with delicate materials, ensure the soft clamping jaws are in place to prevent damage.
3. **Secure Workpiece:** Turn the main handle clockwise to close the jaws and firmly secure the workpiece. Do not overtighten. The workpiece should be held securely without slipping.
4. **Adjust Angle (if needed):** If the workpiece needs to be at a specific angle, loosen the ball joint handle, adjust the vise head, and then re-tighten the handle.
5. **Tool Holder Functionality:** The vise can also function as a tool holder for certain power tools, such as drills, allowing for hands-free operation. To use this feature, remove the vise head from the ball joint by loosening the retaining screw (often located underneath the ball joint) and attach the appropriate tool holder accessory (sold separately or included with specific kits).



Figure 2: The Meister Mini Vise configured to hold a power drill, demonstrating its versatility as a tool holder.

MAINTENANCE

- **Cleaning:** After each use, wipe down the vise with a clean, dry cloth to remove dust, debris, and metal shavings.

- **Lubrication:** Periodically apply a light machine oil to the main screw and moving parts to ensure smooth operation and prevent rust.
- **Storage:** Store the vise in a dry environment to prevent corrosion.
- **Inspection:** Regularly check all screws and moving parts for tightness and wear. Tighten any loose fasteners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vise not clamping securely to workbench.	Clamp screw not tightened sufficiently; workbench too thick or thin.	Ensure the clamp screw is fully tightened. Verify workbench thickness is within the 43 mm limit.
Jaws are stiff or difficult to move.	Lack of lubrication; dirt or debris in screw mechanism.	Clean the screw mechanism and apply a light machine oil.
Ball joint does not hold position.	Ball joint handle not tightened enough.	Firmly tighten the ball joint handle.

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the Meister Mini Vise 50 mm (Model 5136100) is not available in the provided product data. For warranty claims or technical support, please refer to the documentation included with your purchase or contact Meister customer service directly. You may also visit the official Meister website for further assistance or product information.