

# GUNSMITH VISE PROTECTIVE INTERCHANGEABLE JAWS - BROWNELLS GUNSMITH BENCH VISE JAW, POLYURETHANE PRISM

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Specialized Jaws Help You Get the Most from Your Brownells Bench Vise Jaw inserts slip over the factory jaws of your Brownells Gunsmith's Bench Vise and let you customize your vise for specific projects and types of workpieces. They are faced with different types of material that aid in gripping parts securely, while minimizing risk of damaging or scratching them. The insert bodies made of lightweight yet strong aluminum and are held in place on the vise by powerful rare-earth magnets. The aluminum material prevents the magnets from magnetizing steel parts held in the jaws. Prism Soft Jaws - Polyurethane prism jaw inserts are designed for securely clamping delicate round and oval workpieces without risk of damaging them. "Prism"-shaped cutouts of various sizes in the polyurethane help position the workpieces securely. The soft polyurethane face that is extremely flexible yet resistant to deforming or taking a permanent "set." Once pressure is removed, they will return to their original shape. This material also will not harden with age. Checkered Soft Jaws - These polyurethane jaw inserts have a unique "checkering" pattern on the gripping surfaces to hold delicate small parts without damaging them. The soft polyurethane face is extremely flexible yet resistant to deforming or taking a permanent "set." This material also will not harden with age. Prism Aluminum Jaws - These inserts have a hardness factor between that of copper and lead and are designed for securely clamping round/oval items in the Brownells Bench Vise. One horizontal prism-shaped cutout and three different vertical prisms are designed for securely clamping round or oval workpieces. The 90° cutout in the upper part of these jaws is designed for horizontal clamping of flat material. Grooved Aluminum Jaws - Help you securely clamp cylindrical work pieces in your Brownells vise. Six horizontal grooves hold workpieces securely in place, while a deeper center groove anchors bolts, rods, pins, and other cylindrical parts securely while you work on them. With a hardness factor between that of copper and lead, these jaws are naturally much softer than any steel item they will grasp, so you won't mar the work piece. Fiber Jaws - The dense fibrous material on the faces of these jaws securely holds finely machined or polished parts. The fibers will not mar the polished surface. The dense layers of fiber are heat-resistant and will not deform when clamping warm workpieces. Rubber Jaws - Designed specifically for holding very delicate wood and plastic parts, as well as thin-walled tubes, these jaw have a soft, synthetic rubber facing for gently holding fragile workpieces that can withstand only very light clamping force. The rubber material is backed by three layers of canvas, which counteracts the springy tendencies of the rubber and provides enough stiffness to hold the part securely. Felt Jaws - These jaw inserts have a felt face that is designed for clamping extremely delicate workpieces. The special abrasion-resistive felt material conforms closely the contours of the workpiece, so minimal clamping force is needed to hold the piece in place. Even the most delicate workpieces can be anchored without damaging them. Replacement Factory Steel Jaws - These are the same steel jaws that came installed on your Brownells Gunsmith's Bench Vise when it was new. Over time, the original jaws may become worn or damaged. They are easily replaced by simply removing the two bolts securing each jaw and replacing them with these. The bolts are inserted from the exterior of the jaw body, making them easier to install and less likely to be damaged. Like the originals, these jaws have both a smooth



face and a "checkered" textured face. Use the side that works best for the project at hand.

## Attributes

- Name: BROWNELLS GUNSMITH BENCH VISE JAW, POLYURETHANE PRISM
- Manufacturer: BROWNELLS
- Product no.: 430108307
- Mfr. No.: 108 120
- Delivery weight: 0.2kg
- Shipping height: 25mm
- Shipping width: 130mm
- Shipping length: 25mm
- UPC: 050806000940

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# Safety Instruction Guide for Brownells Gunsmith Vise Protective Interchangeable Jaws

## Introduction

Thank you for choosing the Brownells Gunsmith Vise Protective Interchangeable Jaws. This guide provides essential safety instructions and usage information to ensure safe and effective use of your product. Please read this guide carefully before using the vise jaws.

## General Safety Guidelines

- Ensure that the vise jaws are compatible with your specific model of the Brownells Gunsmith's Bench Vise.
- Always inspect the vise jaws for any signs of wear or damage before each use. Do not use damaged jaws.
- Keep the work area clean and free from clutter to prevent accidents.
- Use appropriate personal protective equipment (PPE) such as safety glasses and gloves when working with tools.
- Ensure that all tools and workpieces are securely clamped before beginning any work.
- Be aware of your surroundings and ensure that no one is in the immediate area while operating the vise.
- If you notice any unusual noises or movements during use, stop immediately and inspect the setup.
- Keep children and pets away from the work area.

## Specific Safety Precautions for Use

- **Prism Soft Jaws:** Use these jaws for delicate round and oval workpieces. Ensure that the workpiece is properly seated in the jaw cutouts to avoid slipping.
- **Checkered Soft Jaws:** These jaws are ideal for holding small parts. Be cautious not to apply excessive force which may damage the part.
- **Prism Aluminum Jaws:** Designed for securely clamping round or oval items. Ensure that the workpiece is aligned properly for effective clamping.
- **Grooved Aluminum Jaws:** Use these for cylindrical workpieces. Make sure that the workpiece fits securely in the grooves to prevent movement.
- **Fiber Jaws:** These jaws are suitable for finely machined parts. Check for fiber wear and replace if necessary to maintain grip without marring.
- **Rubber Jaws:** Designed for delicate wood and plastic parts. Apply minimal clamping force to avoid damaging fragile components.
- **Felt Jaws:** Use these for extremely delicate workpieces. Ensure that the felt is clean and free from debris before clamping.
- **Replacement Factory Steel Jaws:** Regularly check these jaws for wear. Replace them as needed to maintain safety and effectiveness.

## Instructions for Installation and Usage

### 1. Installation of Jaws:

- Remove the existing jaws by loosening the two bolts securing each jaw.
- Align the new jaw inserts with the jaw body of the vise.
- Insert the bolts from the exterior of the jaw body and tighten securely to hold the jaws in place.
- Ensure that the jaws are installed correctly and are securely fastened before use.

### 2. Using the Vise:

- Position the workpiece between the jaws and ensure it is properly aligned.

- Gradually tighten the vise handle to secure the workpiece in place.
- Avoid overtightening, which could damage the workpiece or the jaws.
- When finished, loosen the vise handle and carefully remove the workpiece.

## **Disposal Instructions**

- Dispose of any damaged or worn jaws in accordance with local regulations.
- Do not dispose of the product in household waste. Check for local recycling programs that accept metal and plastic components.
- Follow any specific disposal instructions provided by your local waste management authority.

## **Contact Information for Further Support**

For any inquiries regarding safety or product issues, please refer to the manufacturer's contact resources provided with your product packaging or visit the official website.

By following these safety guidelines and instructions, you can ensure a safe and efficient experience while using the Brownells Gunsmith Vise Protective Interchangeable Jaws. Thank you for your attention to safety!

# About Us

## Brownells UK

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Unit 1, Laughing Dog Industrial Estate  
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