

# SOLID CARBIDE DRILL BIT #31 (6-48)

[Gunsmith Tools & Supplies](#) > [Power Tools & Accessories](#) > [Drill Bits](#)

## For Hard Receivers

**SOLID CARBIDE DRILL BIT** The Brownells Solid Carbide Drill Bit is a precision-engineered tool designed to tackle the challenges of drilling into hardened steel components commonly encountered in firearms, such as the 03A3 receivers. Its specialized single-flute design ensures clean, accurate holes without causing chatter or work hardening, making it an indispensable asset for professional gunsmiths. **Key Features:** **Single-Flute Design:** This unique design allows the drill to cut clean chips in the hardest file steel, ensuring true and precise holes without causing chatter or crumbling of the material. **Optimal Length:** Measuring 2 inches in length, the drill provides adequate quill clearance when used with scope or sight mounting jigs, facilitating ease of use in various gunsmithing setups. **Efficient Performance:** When properly maintained, the drill resists binding or breaking. Its design prevents work hardening of the hole surface, thereby reducing the likelihood of tap breakage during subsequent threading operations. **Specifications:** **Material:** Solid carbide construction for enhanced durability and longevity. **Available Sizes:** No. 31 (6-48) No. 28 (8-40) **Recommended Usage:** Ideal for drilling through hardened steels; not recommended for use in softer steels. Should be employed when other drills have failed or when the hardness of the steel is known to be challenging. **Customer Insights:** Our customers commend the Brownells Solid Carbide Drill Bit for its exceptional performance in drilling through hardened steel components. Many have found it particularly effective in situations where standard drills fall short, appreciating its ability to maintain precision without causing material damage. The drill's durability and resistance to wear have made it a favored choice among professionals seeking reliable tools for demanding gunsmithing tasks. Incorporating the Brownells Solid Carbide Drill Bit into your gunsmithing toolkit ensures you are equipped with a high-quality, reliable tool capable of handling the most challenging drilling tasks in firearm maintenance and customization. Its specialized design and robust construction make it an invaluable asset for achieving precise and efficient results.



## Attributes

- Name: [SOLID CARBIDE DRILL BIT #31 \(6-48\)](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080660031
- Mfr. No.: 200 00120 0001
- Bit Size: 6-48
- Color: Silver
- Material: High Speed Steel
- Style: Bottom- Tap Style
- Delivery weight: 0.005kg
- Shipping width: 83mm
- Shipping length: 146mm
- UPC: 050806017153

## Item details

Made in USA

# Table of Contents

- [Startpage](#)
- [Safety Instruction Guide for Brownells Solid Carbide Drill Bit #31 \(648\)](#)
- [About Us](#)

# Safety Instruction Guide for Brownells Solid Carbide Drill Bit #31 (648)

## Introduction

Thank you for choosing the Brownells Solid Carbide Drill Bit #31 (648). This precisionengineered tool is designed specifically for drilling into hardened steel components commonly found in firearms. To ensure safe and effective use of this product, please read and follow the safety instructions outlined in this guide.

## General Safety Guidelines

- Always use the drill bit in accordance with the manufacturer's instructions.
- Ensure that the drill bit is suitable for the specific material you are working with.
- Keep the drill bit and surrounding work area clean and free from debris.
- Wear appropriate personal protective equipment (PPE), including safety goggles and gloves.
- Store the drill bit in a safe and dry place, out of reach of children and vulnerable individuals.
- Regularly inspect the drill bit for wear and damage before use. Do not use if damaged.

## Specific Safety Precautions for Use

- Ensure that the drill bit is securely attached to the drill before use.
- Avoid applying excessive force while drilling; let the drill bit do the work.
- Use the drill bit only for its intended purpose; do not modify or misuse the tool.
- Maintain a firm grip on the drill and keep hands away from the drill bit during operation.
- Be aware of your surroundings and ensure that no one is in the vicinity of the drill bit while in use.
- If you experience binding or breaking, stop using the drill immediately and inspect for issues.

## Instructions for Installation and Usage

### 1. Preparation:

- Gather all necessary tools and materials before starting.
- Ensure that the workpiece is securely clamped or held in place.

### 2. Installation:

- Insert the Brownells Solid Carbide Drill Bit into the chuck of your drill.
- Tighten the chuck securely to prevent the drill bit from slipping during use.

### 3. Usage:

- Select the appropriate speed setting on your drill for the material being drilled.
- Align the drill bit with the intended drilling point on the workpiece.
- Start the drill at a low speed to create a pilot hole, then increase speed as needed.
- Apply steady, even pressure while drilling, allowing the drill bit to cut through the material.
- If the drill bit binds, reverse the drill to clear the bit before continuing.

### 4. PostUse:

- After use, turn off the drill and remove the drill bit carefully.
- Clean any debris from the drill bit and store it in a safe location.

## **Disposal Instructions**

- Dispose of any worn or damaged drill bits in accordance with local regulations.
- Do not dispose of drill bits in regular household waste. Check for recycling programs in your area that accept metal tools.

## **Contact Information for Further Support**

For any inquiries or concerns regarding the Brownells Solid Carbide Drill Bit #31 (648), please refer to the manufacturer's contact information provided on the packaging or product documentation.

## **Conclusion**

By following these safety instructions, you can ensure a safe and effective experience with the Brownells Solid Carbide Drill Bit #31 (648). Always prioritize safety and consult the guidelines whenever you use this product. Thank you for your attention to these important safety measures.

# About Us

## Brownells Austria

**Brownells - World's Largest Supplier of Gun Parts, Gunsmith Tools & Shooting Accessories**

[www.brownells.at](http://www.brownells.at)