

# FRONT SIGHT INSERT CUTTER - 60 HSS FRONT SIGHT INSERT CUTTER .245"

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## 60\ Shoulder x .245"

We've had many requests for a small dovetail cutter that would speed up the cutting of dovetails in front sight blades when installing colored inserts. The one we've had made cuts a ¼" wide dovetail, just right for sight inserts, and the finished product is very precise. Since the cutter is small, (it tapers to a diameter of .110"), you must make an initial cut with a 1/8" end mill. By using the end mill to remove some metal first, you'll avoid overloading the cutter and breaking it. CAUTION: For use in milling machine only. High speed steel. 21/32" (5.1cm) long. 1/4" (6.3cm) diameter shank. Maximum cut depth is .100" (2.5mm) 60° shoulder. DO NOT EXCEED 700 rpm, HIGHER SPEED WILL BREAK TEETH.



## Attributes

- Name: [60 HSS FRONT SIGHT INSERT CUTTER .245"](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080621245
- Mfr. No.:
- Degree: 60
- Delivery weight: 0.018kg
- Shipping height: 10mm
- Shipping width: 79mm
- Shipping length: 145mm
- UPC: 050806019737

## Item details

Made in USA

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# FRONT SIGHT INSERT CUTTER 60 HSS Safety Instructions

## Introduction

Thank you for choosing the FRONT SIGHT INSERT CUTTER 60 HSS. This manual provides important safety instructions and guidelines to ensure safe and effective use of the product. Please read this guide carefully before using the cutter.

## General Safety Guidelines

- Ensure that the cutter is used only in a milling machine.
- Always wear appropriate personal protective equipment (PPE) such as safety goggles, gloves, and hearing protection when operating the cutter.
- Keep the work area clean and welllit to prevent accidents.
- Ensure that all safety guards on the milling machine are in place and functioning correctly.
- Do not exceed the maximum speed of 700 rpm to avoid damaging the cutter and causing injury.
- Be aware of your surroundings and ensure that no one is in the immediate area when operating the cutter.
- Regularly inspect the cutter for any signs of wear or damage before use.

## Specific Safety Precautions for Use

- Use a 1/8" end mill to make an initial cut before using the FRONT SIGHT INSERT CUTTER to prevent overloading and breaking the cutter.
- Handle the cutter with care; the small diameter (tapering to .110") can make it more susceptible to damage.
- Avoid wearing loose clothing or jewelry that could get caught in the milling machine.
- Ensure that the cutter is securely mounted in the milling machine before starting operation.
- Do not attempt to modify the cutter or use it for purposes other than its intended use.

## Instructions for Installation and Usage

### 1. Preparation:

- Gather all necessary tools and materials, including the FRONT SIGHT INSERT CUTTER, 1/8" end mill, and a milling machine.
- Ensure that the milling machine is properly set up and calibrated according to the manufacturer's instructions.

### 2. Making the Initial Cut:

- Use the 1/8" end mill to make a preliminary cut in the material where the dovetail will be created.
- Ensure that the initial cut is clean and accurate to facilitate the use of the FRONT SIGHT INSERT CUTTER.

### 3. Using the FRONT SIGHT INSERT CUTTER:

- Carefully install the FRONT SIGHT INSERT CUTTER into the milling machine's chuck.
- Set the machine to a speed not exceeding 700 rpm.
- Align the cutter with the initial cut and begin milling the dovetail.
- Maintain a steady feed rate to avoid overloading the cutter.

#### **4. PostOperation:**

- Once the dovetail is cut, turn off the milling machine and remove the cutter carefully.
- Inspect the cut for precision and ensure that no debris is left in the work area.

## **Disposal Instructions**

- Dispose of the FRONT SIGHT INSERT CUTTER in accordance with local regulations for metal waste.
- Do not dispose of the cutter in regular household waste. Check with local waste management authorities for proper disposal methods.

## **Contact Information for Further Support**

For safety inquiries or concerns regarding the FRONT SIGHT INSERT CUTTER, please refer to the manufacturer's contact information provided on the product packaging or documentation.

## **Conclusion**

By following these safety instructions and guidelines, you can ensure safe and effective use of the FRONT SIGHT INSERT CUTTER 60 HSS. Your safety is our priority, and we appreciate your commitment to using this product responsibly.

# About Us

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