

# **HIGH-SPEED STEEL CUTTING KITS FOR LATHES - 1/2" THREADER - BROWNEILLS HIGH-SPEED STEEL CUTTING 1/2" THREADER LAYDOWN KIT**

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## **Tool Holders & Inserts For Threading**

Tooling kits include hardened steel toolholders and high speed steel inserts for turning, threading, profiling, and cut-off work. Inserts are T-15 High Speed Steel (HSS) hardened to Rc 65-67, then finish ground on all sides. They deliver excellent slow speed performance, precision interrupted cuts, and a smooth finish on stainless steel, Inconel, Monel, exotic metals, and plastics. Square shank toolholders and boring bars are CNC machined from 4140/4142 steel bar stock, hardened to Rc 48-50, and then black oxide coated to resist corrosion. Includes a 6" long bar with offset end pocket for cutting ID and OD threads; plus, two high-speed steel inserts, TNMC-32NV and TPMC-32NV.



## **Attributes**

- Name: [BROWNEILLS HIGH-SPEED STEEL CUTTING 1/2" THREADER LAYDOWN KIT](#)
- Manufacturer: [BROWNEILLS](#)
- Product no.: 080000840
- Mfr. No.: NONE
- Delivery weight: 0.204kg
- Shipping height: 43mm
- Shipping width: 104mm
- Shipping length: 185mm
- UPC: 050806006829

## **Item details**

Made in USA

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# Safety Instruction Guide for HIGHSPEED STEEL CUTTING KITS FOR LATHES

## Introduction

Thank you for choosing the HIGHSPEED STEEL CUTTING KITS FOR LATHES. This guide provides essential safety instructions to ensure safe and effective use of the product. Please read this guide carefully before using the cutting kit.

## General Safety Guidelines

- Always wear appropriate personal protective equipment (PPE), including safety goggles, gloves, and a dust mask.
- Ensure that your work area is clean, welllit, and free from clutter.
- Keep all tools and equipment in good working condition and regularly inspect them for any signs of wear or damage.
- Do not use the cutting kit for purposes other than those specified in this guide.
- Be aware of your surroundings and ensure no one else is in the immediate area when operating the cutting kit.
- Report any unsafe products or accidents to the appropriate authorities.

## Specific Safety Precautions for Use

- Ensure the lathe is properly secured and stable before use.
- Check that all toolholders and inserts are correctly installed and tightened before starting the lathe.
- Use the cutting kit only on materials for which it is designed, such as stainless steel, Inconel, Monel, exotic metals, and plastics.
- Avoid loose clothing and long hair that could get caught in the machinery.
- Do not exceed the recommended speeds for the materials being worked on to prevent accidents and tool damage.
- Always turn off the lathe and disconnect power before changing inserts or making adjustments.
- Keep hands and other body parts away from moving parts while the lathe is in operation.

## Instructions for Installation and Usage

### 1. Installation of Toolholders and Inserts:

- Ensure the lathe is turned off and unplugged.
- Select the appropriate toolholder and insert for your task.
- Insert the toolholder into the lathe's tool post and tighten securely.
- Place the selected insert into the toolholder and secure it according to the manufacturer's instructions.

### 2. Operating the Lathe:

- Adjust the lathe settings according to the material being cut.
- Start the lathe at a low speed and gradually increase to the recommended speed for the material.
- Monitor the cutting process for any unusual sounds or vibrations.
- If any issues arise, stop the lathe immediately and check for problems.

### 3. Cutting Procedures:

- For threading, ensure the bar's end pocket is aligned correctly with the workpiece.

- Use a steady and even feed rate to achieve a precise cut.
- Avoid forcing the tool; let the cutting insert do the work.

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

- Once cutting is complete, turn off the lathe and disconnect power.
- Carefully remove the toolholder and insert, following safety protocols.
- Clean the work area and store the cutting kit in a dry, secure location.

## **Disposal Instructions**

- Dispose of any unused or damaged inserts and toolholders in accordance with local regulations for hazardous materials.
- Recycle packaging materials where possible.
- Ensure all waste is disposed of responsibly to minimize environmental impact.

## **Contact Information for Further Support**

For any safety inquiries or support regarding the HIGH SPEED STEEL CUTTING KITS FOR LATHES, please refer to the appropriate authorities or contact your supplier.

By adhering to these safety instructions and guidelines, you can ensure safe and effective use of the HIGH SPEED STEEL CUTTING KITS FOR LATHES. Always prioritize safety and follow best practices when operating machinery. Thank you for your attention to these important safety measures.

# About Us

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