

# 3 1/2% NICKEL STEEL WELDING ROD - 3-1/2% NICKEL STEEL WELDING ROD .045" DIAMETER 16OZ

[Gunsmith Tools & Supplies](#) > [General Gunsmith Tools](#) > [Welding](#)

## Blues Beautifully; No Blow Holes; Smoother, Nicer Welds

Developed for use in our space program to give the best possible welds, 3½% Nickel Steel Welding Rod is almost totally free of impurities and flows beautifully to produce an extremely smooth, non-porous weld with Oxy-Acetylene or TIG. Over the years many gunsmiths have asked for this rod to weld bolt handles and other items that will be polished after welding. Thanks to Jim Thompson, Maverick Gun Works of Topeka, Kansas, we've located a supplier of 3½% Nickel Steel Welding Rod. Says Jim, "I finally located some 3½% Nickel Steel Rod and the first bolt I welded was perfect. The rod is expensive but worth its weight in gold when you are welding bolt handles and any other job where a perfect weld is desired. I find I get the best results as follows: bring parts to welding temperature with a rather large flame, then back off on the flame until it is just hissing. I use a No. 2 tip. (You might find another works better.) Take your time, don't get it too hot and you can work with it all day if you have to. The weld is easy to work with, file or machine. Be sure to use a neutral flame." There is no flux or other coding on the part.



## Attributes

- Name: [3-1/2% NICKEL STEEL WELDING ROD .045" DIAMETER 16OZ](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080547110
- Mfr. No.:
- Color: Nickel
- Diameter (in): 0.045
- Material: Nickel
- Weight: 1 lb
- Delivery weight: 0.454kg
- Shipping height: 8mm
- Shipping width: 56mm
- Shipping length: 406mm
- UPC: 050806102392

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# Safety Instruction Guide for 3 1/2% Nickel Steel Welding Rod

## Introduction

Thank you for choosing the 3 1/2% Nickel Steel Welding Rod. This guide provides essential safety instructions to ensure safe usage and compliance with the EU General Product Safety Regulation (GPSR). Please read this guide carefully before using the product.

## General Safety Guidelines

- Ensure safe handling and use of the welding rod to prevent accidents and injuries.
- Always use personal protective equipment (PPE) such as gloves, goggles, and protective clothing while welding.
- Be aware of the risks associated with welding, including exposure to harmful fumes, heat, and UV radiation.
- Keep the workspace wellventilated to minimize inhalation of fumes.
- Store the welding rod in a cool, dry place away from direct sunlight and moisture.
- Regularly check for any visible defects or damages to the welding rod before use.

## Specific Safety Precautions for Use

- **Flame Handling:**
  - Use a neutral flame when welding.
  - Avoid excessive heat; maintain a steady, controlled flame to prevent overheating the rod.
- **Welding Environment:**
  - Ensure the welding area is free from flammable materials and has adequate ventilation.
  - Keep a fire extinguisher nearby in case of emergencies.
- **Personal Protection:**
  - Always wear appropriate PPE, including:
    - Welding helmet with appropriate filter lens
    - Heatresistant gloves
    - Longsleeved clothing
    - Steeltoed boots
- **Health Precautions:**
  - Be aware of potential allergic reactions to welding fumes.
  - If you experience dizziness, nausea, or respiratory issues, stop welding immediately and seek fresh air.

## Instructions for Installation and Usage

- Before starting, gather all necessary tools and equipment.
- Prepare the workpieces by cleaning them to remove any rust, paint, or oil.
- Set up your welding station:
  - Ensure all equipment is in good working condition.
  - Adjust the welding torch to the appropriate settings based on your project requirements.
- **Welding Process:**
  - Bring the parts to welding temperature using a large flame, then reduce the flame until it is just hissing.
  - Use a No. 2 tip or adjust as necessary for your specific welding needs.
  - Take your time; avoid rushing the welding process to ensure quality.
  - After welding, allow the weld to cool naturally before handling.
- **PostWelding:**

- Inspect the weld for quality and integrity.
- Clean the area of any debris or leftover materials.

## **Disposal Instructions**

- Dispose of any unused or expired welding rods in accordance with local regulations.
- Do not dispose of the welding rod in regular household waste.
- Check with local waste management authorities for proper disposal methods.

## **Contact Information for Further Support**

For any safety inquiries or additional support regarding the 3 1/2% Nickel Steel Welding Rod, please refer to your local regulations or manufacturer guidelines.

By following these safety instructions, you can ensure a safe and effective welding experience. Thank you for prioritizing safety while using our product.

# About Us

## Brownells Austria

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

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