OIL HARDENING DRILL ROD ROUND - OIL HARDENING DRILL ROD 5/8" GAUGE .6250 DEC. EQUIV. ROUND

Gunsmith Tools & Supplies > Small Hardware > Metal Stock

Indispensable In The Gun Shop For Parts, Tools & Repairs

O-1 OIL HARDENING DRILL ROD ROUND Carbon - .95% Manganese - 1.20% Silicon - .25% For ¼" round and larger, we carry oil hardening drill rod rather than water hardening. The O-1 in this size range is characterized by good machineability, smooth finish as well as superior dimensional stability and excellent hardening characteristics. We recommend it for use in dies, tools, parts, and punches. Excellent for general use in the shop. HARDENING: Heat slowly to 1475° F. - 1525° F. If a controlled furnace is not available, use 1500° Tempilaq. Hold at this temperature for a few seconds then quench in a light quenching oil. TEMPERING: Temper immediately. The following hardness table is for a one hour draw after oil quenching at 1500° F. Degrees F. Rockwell C Hardness As Hardened 63 - 65 300° 63 - 64 400° 61 - 62 500° 58 - 60 600° 54 - 56 700° 51 - 53 800° 46 - 48 900° 43 - 45

Attributes

- Name: OIL HARDENING DRILL ROD 5/8" GAUGE .6250 DEC. EQUIV. ROUND
- Manufacturer: BROWNELLS
- Product no.: 080541625
- Mfr. No.: NONE
- Material: Steel
- Delivery weight: 0.703kg
- Shipping height: 18mm
- Shipping width: 38mm
- Shipping length: 467mm

Item details

Made in USA

Table of Contents

OIL HARDENING DRILL ROD ROUND Safety Instruction Guide

Introduction

Thank you for choosing the OIL HARDENING DRILL ROD ROUND. This guide provides essential safety instructions and usage information to ensure safe handling and operation of this product. Please read this guide carefully before use to understand how to handle and operate the drill rod safely.

General Safety Guidelines

- Ensure that you are familiar with the properties and applications of the OIL HARDENING DRILL ROD ROUND.
- Always wear appropriate personal protective equipment (PPE) such as gloves, safety goggles, and protective clothing when handling the drill rod.
- Keep the work area clean and welllit to prevent accidents.
- Store the drill rod in a safe, dry place away from moisture and direct sunlight.
- Regularly inspect the drill rod for any signs of damage or wear before use.
- Follow all local regulations and guidelines regarding the use and disposal of metal products.

Specific Safety Precautions for Use

- **Hazard Identification**:
  - The drill rod is made of steel, which can cause cuts or puncture wounds if not handled properly.
  - Sharp edges may be present; handle with care.
- **Avoiding Hazards**:
  - Do not use the drill rod for purposes other than its intended use.
  - Do not expose the drill rod to extreme temperatures or corrosive substances.
  - Ensure that the drill rod is securely clamped or held in place during use to prevent slipping.

Instructions for Installation and Usage

- **Installation**:
  - Before installation, ensure that all tools and equipment are in good condition.
  - Secure the drill rod in a suitable holder or machine designed for its use.
  - Check that all connections are tight and secure before starting any operation.
- **Usage**:
  - Heat the drill rod slowly to a temperature between 1475°F and 1525°F for hardening.
  - If a controlled furnace is not available, use 1500° Tempilaq for guidance.
  - Hold the drill rod at the specified temperature for a few seconds, then quench it in light quenching oil.
  - Temper the drill rod immediately after hardening to achieve the desired hardness. Refer to the hardness table below for guidance:

| Degrees F | Rockwell C Hardness | ||| | As Hardened | 63 65 | | 300° | 63 64 | | 400° | 61 62 | | 500° | 58 60 | | 600° | 54 56 | | 700° | 51 53 | | 800° | 46 48 | | 900° | 43 45 |

Disposal Instructions

- Dispose of any waste material or scrap metal according to local regulations and guidelines.
- Do not dispose of the drill rod in regular household waste. Instead, take it to a designated recycling facility for metal.

Contact Information for Further Support

For any safety inquiries or additional support regarding the OIL HARDENING DRILL ROD ROUND, please refer to the contact information provided by the manufacturer or retailer.

Conclusion

By following these safety instructions and guidelines, you can ensure safe and effective use of the OIL HARDENING DRILL ROD ROUND. Please remember to stay informed about product recalls and safety alerts through the EU’s Safety Gate platform. Your safety is our priority.

About Us

Brownells Austria

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

www.brownells.at