

OIL HARDENING DRILL ROD ROUND - OIL HARDENING DRILL ROD 9/16" GAUGE .5625 DEC. EQUIV ROUND

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Indispensable In The Gun Shop For Parts, Tools & Repairs

O-1 OIL HARDENING DRILL ROD ROUND Carbon - .95% Manganese - 1.20%

Silicon - .25% For $\frac{1}{4}$ " 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 9/16" GAUGE .5625 DEC. EQUIV ROUND](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080541562
- Mfr. No.: NONE
- Material: Steel
- Delivery weight: 0.59kg
- Shipping height: 5mm
- Shipping width: 79mm
- Shipping length: 483mm

Item details

Made in USA

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Safety Instruction Guide for OIL HARDENING DRILL ROD ROUND

Introduction

Thank you for choosing the OIL HARDENING DRILL ROD ROUND. This guide provides important safety instructions and recommendations to ensure safe and effective use of this product. Please read and follow these instructions carefully to minimize risks and ensure compliance with safety standards.

General Safety Guidelines

- Ensure safe handling and use of the drill rod.
- Familiarize yourself with the potential hazards associated with the product.
- Always wear appropriate personal protective equipment (PPE) such as gloves, safety goggles, and hearing protection while using the drill rod.
- Keep the workspace clean and organized to avoid accidents.
- Store the drill rod in a dry, secure location away from children and unauthorized users.
- Be aware of the specific requirements for online purchases and ensure you are buying from reputable sources.

Specific Safety Precautions for Use

- Always inspect the drill rod for any signs of damage before use.
- Use the drill rod only for its intended purpose as specified in this guide.
- Do not exceed the recommended temperature during hardening, which is between 1475°F and 1525°F.
- Avoid contact with hot surfaces and materials during the hardening and tempering processes.
- Use appropriate quenching oil and follow the recommended quenching procedure to prevent accidents.
- Follow the hardness table provided in the product description to ensure proper tempering.

Instructions for Installation and Usage

1. Preparation:

- Gather all necessary tools and protective equipment before starting.
- Ensure your workspace is wellventilated and free from flammable materials.

2. Hardening Process:

- Heat the drill rod slowly to a temperature between 1475°F and 1525°F. If a controlled furnace is not available, use 1500° Tempilaq.
- Hold the drill rod at this temperature for a few seconds.
- Quench the drill rod in a light quenching oil immediately after heating to achieve the desired hardness.

3. Tempering Process:

- Temper the drill rod immediately after quenching to relieve stresses.
- Refer to the hardness table below for guidance on achieving desired Rockwell C hardness: | 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 |

4. PostUse Care:

- After use, clean the drill rod to remove any debris or contaminants.
- Store the drill rod in a safe, dry place to prevent rust and damage.

Disposal Instructions

- Dispose of any waste materials generated during the use of the drill rod in accordance with local regulations.
- Do not dispose of the drill rod in regular household waste. Check with local authorities for proper disposal methods.

Contact Information for Further Support

For any safety inquiries or additional support, please refer to the contact information provided by the manufacturer or retailer where you purchased the drill rod. Always ensure you have access to safety resources when using this product.

Conclusion

By following these safety instructions, you can ensure safe and effective use of the OIL HARDENING DRILL ROD ROUND. Stay informed about safety updates and recalls via the EU Safety Gate platform, and report any unsafe products or incidents to the appropriate authorities. Thank you for prioritizing safety in your workshop.

About Us

Brownells Austria

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

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