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> [GZ GUOZHI MIG Welding Gun Accessory Kit .030" User Manual](#)

GZ GUOZHI .030" Accessory Kit

GZ GUOZHI MIG Welding Gun Accessory Kit (.030") User Manual

Model: .030" Accessory Kit

Brand: GZ GUOZHI

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your GZ GUOZHI MIG Welding Gun Accessory Kit. This kit is designed to replace worn or damaged components of your MIG welding gun, ensuring optimal performance and consistent weld quality. Please read these instructions thoroughly before use.

PACKAGE CONTENTS

The GZ GUOZHI MIG Welding Gun Accessory Kit includes the following components:

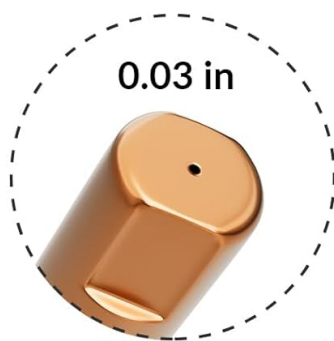
- **Contact Tips (.030 inch / 0.8mm):** 20 pieces
- **Gas Nozzles:** 2 pieces
- **Gas Diffusers:** 2 pieces



Gas Nozzles x2



Gas Diffusers x2



Contact Tips (0.03in) x20

Image: Overview of the GZ GUOZHI MIG Welding Gun Accessory Kit, showing two gas nozzles, two gas diffusers, and twenty .030 inch contact tips with labels and quantities.

COMPATIBILITY

This accessory kit is compatible with the following GZ GUOZHI MIG welder models:

- MIG-200P
- MIG-140
- MIG-130
- MIG-135
- MIG-160
- MIG-200
- MIG-210LED

COMPONENT OVERVIEW

Contact Tips

Contact Tips

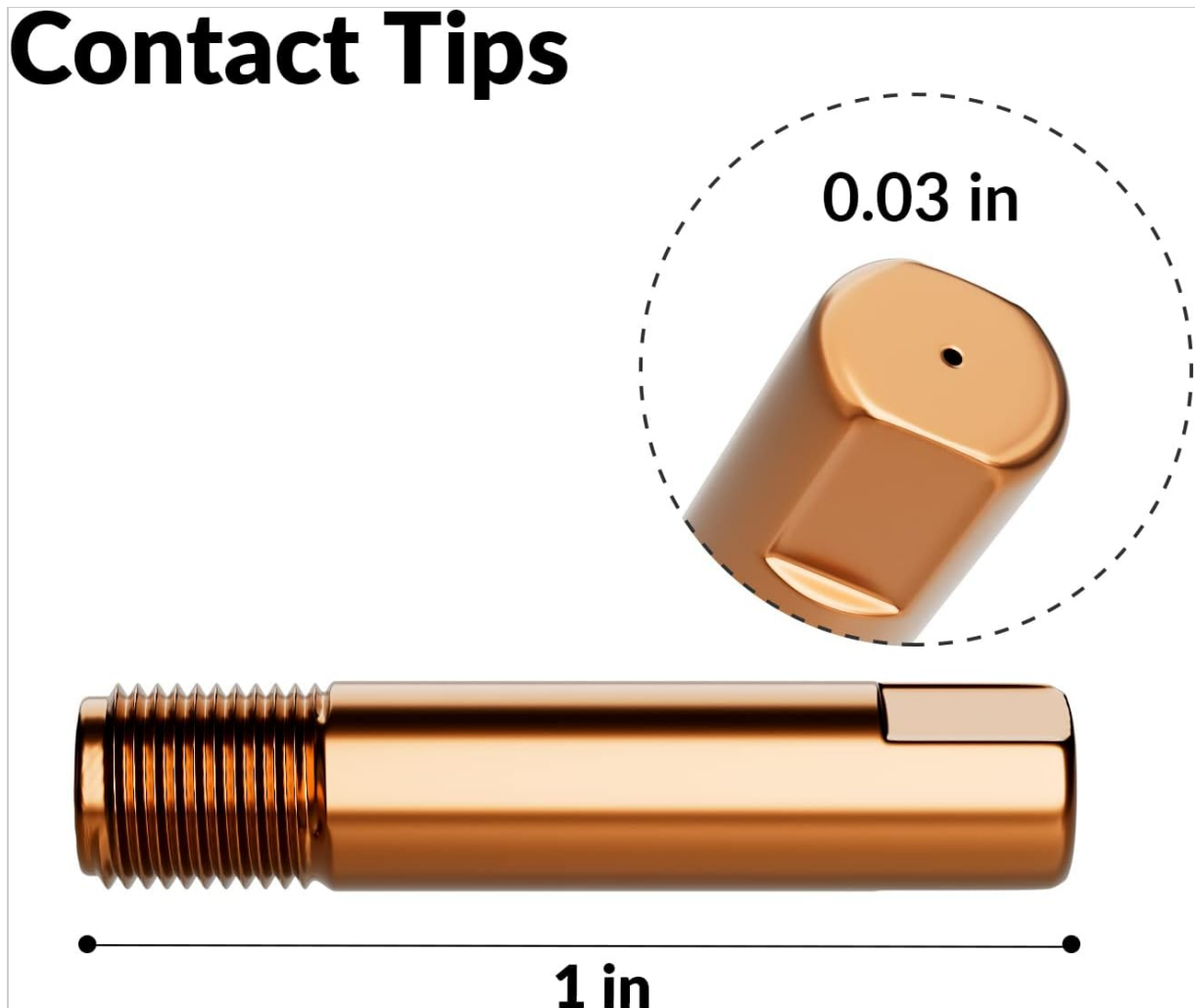


Image: A single contact tip, approximately 1 inch long, with a 0.03 inch diameter opening. These tips guide the welding wire and conduct electrical current.

Contact tips are crucial for guiding the welding wire and transferring electrical current to the wire. The .030 inch (0.8mm) size corresponds to the diameter of the welding wire it is designed to feed. Regular replacement ensures consistent arc stability and prevents wire feeding issues.

Gas Nozzles

Gas Nozzles



Image: A chrome-plated gas nozzle, approximately 2.16 inches long. This component directs the shielding gas to the weld puddle.

Gas nozzles direct the shielding gas to the weld puddle, protecting it from atmospheric contamination. They are typically made of copper or brass and are designed to withstand high temperatures. A clean and properly functioning nozzle is vital for effective gas coverage.

Gas Diffusers

Gas Diffusers



Image: A brass gas diffuser with silver rings, approximately 1.35 inches long. This component evenly distributes shielding gas before it exits the nozzle.

Gas diffusers are located inside the gas nozzle and are responsible for evenly distributing the shielding gas around the welding wire. This even distribution is critical for preventing turbulence and ensuring consistent gas coverage, which directly impacts weld quality.

INSTALLATION AND REPLACEMENT

Always ensure the welding machine is turned off and disconnected from the power source before performing any maintenance or component replacement.

Replacing Contact Tips

1. Ensure the welding gun is cool.
2. Unscrew the gas nozzle by rotating it counter-clockwise.
3. Remove the gas diffuser, if present, by pulling it straight off.
4. Unscrew the old contact tip from the tip adapter (or directly from the gun neck, depending on your model).
5. Screw in the new .030" contact tip clockwise until it is finger-tight. Do not overtighten.
6. Reinstall the gas diffuser and then the gas nozzle.

Replacing Gas Nozzles

1. Ensure the welding gun is cool.
2. Unscrew the old gas nozzle by rotating it counter-clockwise.

3. Inspect the gas diffuser and contact tip for wear and replace if necessary.
4. Screw on the new gas nozzle clockwise until it is secure.

Replacing Gas Diffusers

1. Ensure the welding gun is cool.
2. Unscrew and remove the gas nozzle.
3. Gently pull the old gas diffuser straight off the gun neck.
4. Push the new gas diffuser onto the gun neck until it is firmly seated.
5. Reinstall the gas nozzle.

MAINTENANCE

Regular maintenance of your MIG gun accessories will extend their lifespan and improve welding performance.

- **Clean Gas Nozzles:** Regularly remove spatter from the inside and outside of the gas nozzle using a welding pliers or a nozzle reamer. Excessive spatter can obstruct gas flow and lead to porosity in welds.
- **Inspect Contact Tips:** Check contact tips for wear, enlargement of the bore, or excessive spatter. A worn tip can cause erratic arc, poor wire feeding, and reduced current transfer. Replace as needed.
- **Check Gas Diffusers:** Ensure the gas diffuser is free from spatter and blockages. A clogged diffuser will impair shielding gas distribution.
- **Proper Storage:** Store unused accessories in a clean, dry environment to prevent corrosion and damage.

TROUBLESHOOTING COMMON ISSUES

If you encounter issues during welding, consider the following related to your accessory kit:

Symptom	Possible Cause (Accessory Related)	Solution
Porosity in Weld	Clogged gas nozzle or diffuser, loose gas nozzle, incorrect gas flow.	Clean or replace gas nozzle/diffuser. Ensure nozzle is securely tightened. Verify gas flow settings.
Erratic Arc / Poor Wire Feeding	Worn or oversized contact tip, spatter inside contact tip.	Replace contact tip. Clean any spatter from the tip bore.
Contact Tip Burnback	Contact tip too far from the workpiece, worn contact tip.	Adjust stick-out. Replace contact tip.
Excessive Spatter	Dirty gas nozzle.	Clean gas nozzle regularly.

SPECIFICATIONS

- **Manufacturer:** GZ GUOZHI
- **Item Weight:** 5.6 ounces
- **Package Dimensions:** 5.79 x 3.9 x 0.71 inches
- **Item Model Number:** .030" Accessory Kit
- **Style:** .030"
- **Included Components:** 20 Contact Tips, 2 Gas Nozzles, 2 Gas Diffusers

WARRANTY AND SUPPORT

GZ GUOZHI provides a **12-month warranty** for welding machines purchased from the GZ GUOZHI store. This warranty covers manufacturing defects and non-human factors. Please note that this warranty typically applies to the main welding machine and *excludes accessories* such as this kit, unless otherwise specified at the time of purchase.

For any inquiries or support regarding your GZ GUOZHI products, please contact customer service through the Amazon channel or via email. The GZ GUOZHI after-sales team is committed to resolving your concerns promptly.



Image: GZ GUOZHI warranty information, stating a 12-month warranty for machines and 24-hour customer service availability.