

IRONCAT 6140

IRONCAT 6140 Kidskin TIG Welder Gloves Instruction Manual

1. INTRODUCTION

Thank you for choosing IRONCAT 6140 Kidskin TIG Welder Gloves. These gloves are designed to provide essential hand protection during TIG welding tasks, safeguarding against sparks, sharp metal edges, and heat. Crafted for comfort, flexibility, and durability, they are suitable for various industrial applications.



Image: A pair of IRONCAT 6140 Kidskin TIG Welder Gloves in Pearl/Gold, showcasing the design and material.

2. SAFETY INFORMATION

Always prioritize safety when welding. These gloves are designed to offer protection, but they are not a substitute for proper welding techniques and adherence to all safety protocols. Ensure you wear appropriate personal protective equipment (PPE) including a welding helmet, protective clothing, and safety footwear.

- Inspect gloves for damage before each use. Do not use damaged gloves.
- Ensure gloves fit properly to maintain dexterity and prevent snags.
- These gloves are flame resistant due to Kevlar threading but are not fireproof.
- Avoid contact with extreme heat sources beyond their intended protective capacity.
- Keep gloves dry and clean to maintain protective properties.

3. PRODUCT FEATURES

- **Material:** Constructed from high-quality grain kidskin for comfort, lightness, and flexibility.
- **Construction:** Features Kevlar threading for enhanced flame resistance and durability.
- **Design:** Straight thumb type, optimized for superior grip and various closed-fist work applications.
- **Cuff:** Equipped with a 2-inch gold cuff for a secure and snug fit around the wrist.
- **Resistance:** Designed to be resistant to oil and water, extending usability in diverse conditions.

4. PROPER FIT AND SIZING

A proper fit is crucial for both protection and dexterity. Refer to the size guide below to ensure you select the correct glove size for your hands.

US Safety Gloves Size Chart

Brand Size	Hand Width (in)	Hand Length (in)
S	4.5	9.4
M	4.8	9.8
L	5	10.1
XL	5.3	10.5
2XL	5.5	10.9
3XL	5.8	11.3

Measure your hand width across the palm and hand length from the tip of your middle finger to the base of your palm for accurate sizing.

5. OPERATING INSTRUCTIONS

These gloves are specifically designed for TIG welding applications. Their lightweight and flexible kidskin construction allows for the high dexterity required for precise TIG welding. To use:

1. Ensure gloves are clean and dry before wearing.
2. Slide hands into gloves, ensuring fingers are fully seated and the cuff provides a snug fit around the wrist.
3. Perform a quick check for any discomfort or restriction of movement. The gloves should allow for fine motor control necessary for TIG welding.
4. Always wear gloves when handling hot materials, welding, or performing tasks where hand protection is required.

6. CARE AND MAINTENANCE

Proper care extends the life and effectiveness of your gloves.

- **Cleaning:** For light dirt, wipe with a damp cloth. For heavier soiling, use a mild leather cleaner. Avoid harsh chemicals or abrasive materials.
- **Drying:** Allow gloves to air dry naturally away from direct heat sources (e.g., radiators, direct sunlight). Do not machine dry, as this can cause the leather to stiffen and crack.
- **Storage:** Store gloves in a cool, dry place, away from direct sunlight and extreme temperatures.

Ensure they are completely dry before storing to prevent mold or mildew.

- **Inspection:** Regularly inspect gloves for cuts, tears, burns, or thinning of the material. Replace gloves immediately if any damage is found that compromises their protective integrity.

7. TROUBLESHOOTING

Most issues with welding gloves relate to wear and tear or improper care.

- **Stiffness/Cracking:** This often occurs from improper drying or prolonged exposure to moisture. Ensure gloves are air-dried and consider a leather conditioner if stiffness persists.
- **Reduced Dexterity:** If gloves feel too bulky or restrict movement, re-check the size guide. Over time, gloves may break in and become more flexible.
- **Premature Wear:** Excessive exposure to sparks, slag, or sharp objects can accelerate wear. Ensure proper welding techniques and consider if a heavier-duty glove is needed for specific tasks.
- **Loss of Protection:** Any sign of damage (holes, severe burns, compromised stitching) means the gloves are no longer providing adequate protection and must be replaced.

8. SPECIFICATIONS

- **Model Number:** 6140
- **Material:** Kidskin Leather
- **Color:** Pearl/Gold
- **Size:** Small (other sizes available separately)
- **Cuff Length:** 2 inches
- **Construction:** Kevlar Threading
- **Thumb Type:** Straight Thumb
- **Item Weight:** Approximately 3.2 ounces
- **Product Dimensions:** Approximately 23 x 10 x 2 inches (packaging)
- **Special Features:** Lightweight, Flexible, Oil and Water Resistant

9. WARRANTY AND SUPPORT

For warranty information, product support, or to inquire about other IRONCAT protective gear, please contact the manufacturer, West Chester, directly through their official website or customer service channels. Keep your purchase receipt for any warranty claims.

Manufacturer: West Chester

For further assistance, please visit the [product page on Amazon](#) or the official IRONCAT website.