

Irudek 10100

Irudek Semi-Static Rope User Manual

Model: 10100 | Brand: Irudek

1. INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and storage of your Irudek Semi-Static Rope, Model 10100. This product is designed for use in fall protection systems and other applications requiring a semi-static rope, such as work at height, rescue, and rope access. It is crucial to read and understand all instructions and warnings contained herein before using the product. Failure to follow these instructions can result in serious injury or death.

2. SAFETY INFORMATION

The Irudek Semi-Static Rope is a critical component of personal protective equipment (PPE). Proper training and adherence to safety protocols are paramount. Users must be competent and trained in the use of fall protection equipment and rope techniques. Always perform a thorough inspection of the rope before each use. Discard the rope immediately if any damage, excessive wear, or signs of degradation are observed.

- **Training:** Only use this product if you have received proper training in its application and limitations.
- **Inspection:** Inspect the rope for cuts, abrasions, core exposure, chemical damage, heat damage, or any other signs of wear or damage before and after each use.
- **Compatibility:** Ensure all components used with this rope are compatible and meet relevant safety standards.
- **Load Limits:** Never exceed the specified load limits or safe working loads. Refer to the product markings for specific ratings.
- **Environment:** Avoid exposure to sharp edges, abrasive surfaces, extreme temperatures, chemicals, and UV radiation, which can compromise the rope's integrity.
- **Modification:** Never modify the rope. Any alteration voids the warranty and can lead to catastrophic failure.
- **Traceability:** Maintain records of inspections, maintenance, and use for traceability.

3. PRODUCT OVERVIEW

The Irudek Semi-Static Rope, Model 10100, is a durable and reliable rope designed for various applications requiring controlled elongation. It features a robust braided construction, providing strength and resistance to abrasion. The rope is equipped with reinforced end loops for secure attachment to other system components.





Figure 1: Irudek Semi-Static Rope, Model 10100. This image displays the full length of the semi-static rope, which is white with a distinct pattern of black and yellow flecks. Both ends of the rope are terminated with robust, reinforced loops, indicating its readiness for connection to other safety equipment.

4. SETUP AND INSTALLATION

Proper setup of the semi-static rope is critical for safety. This rope must be integrated into a complete fall protection system or other appropriate system as per its intended use. Always ensure secure connections and proper routing to prevent accidental disengagement or damage.

- **Anchor Points:** Connect the rope only to certified anchor points capable of withstanding the anticipated loads.
- **Connectors:** Use only compatible, certified connectors (e.g., carabiners, quick links) that are rated for the application. Ensure all connectors are fully closed and locked.
- **Knot Tying:** If knots are required, use only approved knots for semi-static ropes and ensure they are tied correctly and dressed properly. Consult a qualified professional for knotting techniques.
- **System Integration:** Integrate the rope into the overall system (e.g., with a harness, descender, or ascender) according to the manufacturer's instructions for all components.

5. OPERATING INSTRUCTIONS

The operation of the Irudek Semi-Static Rope depends on its specific application within a safety system. Always follow established safety procedures and industry best practices for work at height or rescue operations.

- **Dynamic vs. Static Loads:** While semi-static, this rope is not designed for high dynamic loads typical of lead climbing falls. It is intended for applications where minimal elongation is desired, such as fixed lines, hauling, or rappelling.
- **Edge Protection:** Always protect the rope from sharp edges or abrasive surfaces using appropriate edge protectors.
- **Fall Factor:** Minimize the potential fall factor in any system where this rope is used for fall arrest.
- **Environmental Conditions:** Be aware of how environmental factors (e.g., ice, water, extreme heat/cold) can affect rope performance.

6. MAINTENANCE AND CARE

Proper maintenance extends the lifespan of your Irudek Semi-Static Rope and ensures its continued reliability.

6.1 Cleaning

Clean the rope periodically or when visibly dirty. Use lukewarm water (max 30°C) and a mild, non-detergent soap. Rinse thoroughly to remove all soap residue. Do not use harsh chemicals, solvents, or bleach.

6.2 Drying

Air dry the rope completely in a cool, shaded, well-ventilated area. Do not expose it to direct sunlight, high heat, or mechanical dryers, as this can damage the fibers.

6.3 Storage

Store the rope in a cool, dry, dark place, away from direct sunlight, UV radiation, chemicals, corrosive substances, and extreme temperatures. Avoid storing it under tension or in a compressed state.

6.4 Retirement Criteria

The lifespan of the rope depends on its use, care, and storage. Retire the rope immediately if:

- It has sustained a significant fall or shock load.
- The sheath is cut, abraded, or shows signs of core exposure.
- It has been exposed to chemicals, acids, or excessive heat.
- It feels stiff, spongy, or has flat spots.
- Any doubt exists about its integrity or safety.
- It reaches its maximum recommended lifespan as specified by the manufacturer (if applicable).

7. TROUBLESHOOTING

Most issues with the Irudek Semi-Static Rope relate to improper use, damage, or wear. If you encounter any problems or have concerns about the rope's condition, follow these guidelines:

- **Visible Damage:** If any part of the rope shows signs of damage (cuts, abrasions, melting, chemical exposure), immediately remove it from service and discard it.
- **Unusual Feel:** If the rope feels unusually stiff, soft, or has lumps, it may indicate internal damage. Do not use it.
- **Performance Issues:** If the rope does not perform as expected (e.g., excessive slippage with devices), re-evaluate your setup and ensure compatibility. If the issue persists, retire the rope.
- **Uncertainty:** If you are ever in doubt about the safety or integrity of the rope, do not use it. Consult a qualified professional or the manufacturer.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	Irudek 2000 s.l.
Part Number	101002100004
Model Number	10100

Attribute	Value
Color	White
Material	High-strength synthetic fibers
Number of Items in Package	1
Batteries Required?	No
ASIN	B019IW1LMQ
First Available Date	August 23, 2016
GTIN	08436028792139
Package Dimensions	21 x 10 x 4 cm; 142 g

9. WARRANTY AND SUPPORT

Specific warranty terms for the Irudek Semi-Static Rope, Model 10100, are provided by the manufacturer or the authorized seller at the time of purchase. Please retain your proof of purchase for any warranty claims.

For technical support, detailed product information, or warranty inquiries, please contact your authorized Irudek dealer or visit the official Irudek website. Always refer to the latest version of the product's technical documentation for the most up-to-date information.

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Documents - Irudek – 10100

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EN 12195-2

LC=2000 kg



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