

Irudek NEXION 258

Irudek NEXION 258 Semi-Static Connection Rope User Manual

1. PRODUCT OVERVIEW

The Irudek NEXION 258 is a double anchorage semi-static connection rope, specifically designed for maneuvers in vertical work environments. It features a 12 mm diameter and is intended for making connections or serving as fastening elements. It is crucial to understand that this rope **does not include an energy absorber** and therefore **cannot be used as a fall arrest system**. Each connection rope is equipped with plastic protectors to prevent abrasion and wear from connectors.





Image showing the Irudek NEXION 258 semi-static connection rope, highlighting its construction and plastic protectors.

Key Features:

- Complies with EN 354 standard.
- Available in lengths: 0.3 m and 0.65 m.
- Lightweight design: 0.19 kg.
- High static rope resistance: 22 kN.
- Equipped with plastic protectors for connector abrasion prevention.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions and warnings may result in serious injury or death. This product is part of a personal protective equipment (PPE) system. Always ensure you are trained and competent in its use.

- **Not a Fall Arrest System:** The Irudek NEXION 258 rope **does not include an energy absorber**. It must **NOT** be used as a component in a fall arrest system where a fall factor greater than 0 could occur.
- **Intended Use:** This rope is designed for connection and fastening purposes in vertical work, such as positioning or restraint, where the risk of a free fall is eliminated or minimized.

- **Inspection:** Always inspect the rope and all associated equipment before each use. Look for cuts, abrasions, fraying, discoloration, heat damage, chemical damage, or any other signs of wear or damage.
- **Compatibility:** Ensure all components used with this rope (connectors, anchors, harnesses) are compatible and meet relevant safety standards.
- **Load Limits:** Do not exceed the static resistance of 22 kN. Consider dynamic loads and shock loads, which can significantly exceed static resistance.
- **Environmental Factors:** Avoid exposure to sharp edges, extreme temperatures, chemicals, and UV radiation, which can degrade the rope's integrity.
- **Training:** Only use this equipment if you have received proper training from a qualified person on its correct and safe use.

3. PRODUCT COMPONENTS

The Irudek NEXION 258 connection rope consists of a semi-static rope with a 12 mm diameter. Both ends are typically terminated with loops, often protected by plastic thimbles or sleeves. These plastic protectors are integrated to shield the rope from direct contact and abrasion when connected to metallic components like carabiners or other connectors, thereby extending the rope's lifespan and maintaining its strength.

4. SETUP

Proper setup is critical for safety and functionality. Follow these steps for connecting the Irudek NEXION 258 rope:

1. **Inspect Equipment:** Before each use, thoroughly inspect the rope, connectors, and anchor points for any signs of damage, wear, or corrosion.
2. **Select Anchor Point:** Choose a suitable anchor point that is structurally sound and capable of withstanding the anticipated loads. The anchor point must meet relevant safety standards.
3. **Connect to Anchor:** Attach one end of the NEXION 258 rope to the selected anchor point using a compatible connector (e.g., a carabiner). Ensure the connector is properly closed and locked. The plastic protector should be positioned to prevent rope abrasion at the connection point.
4. **Connect to Harness/Device:** Attach the other end of the NEXION 258 rope to your harness or other compatible device (e.g., a work positioning lanyard adjustment device) using another compatible connector. Again, ensure the connector is properly closed and locked, and the plastic protector is correctly positioned.
5. **Verify Connections:** Double-check all connections to ensure they are secure, properly oriented, and free from twists or kinks.

5. OPERATING INSTRUCTIONS

The Irudek NEXION 258 rope is designed for specific applications in vertical work. Adhere to the following operational guidelines:

- **Work Positioning:** Use the rope to maintain a worker in a supported position at a workstation, allowing hands-free operation. Ensure the system prevents a free fall or limits it to a very short distance.
- **Restraint:** Employ the rope to prevent a worker from reaching a position where a fall could occur. The length of the rope should be adjusted so that the worker cannot reach the fall hazard.
- **Avoid Shock Loading:** Do not subject the rope to sudden, dynamic loads or shock loading, as this can cause damage and significantly reduce its strength. Remember, it lacks an energy absorber.

- **Edge Protection:** Always protect the rope from sharp edges or abrasive surfaces that could cause damage during use.
- **Regular Checks:** Periodically check the rope and its connections during use to ensure everything remains secure and undamaged.

6. MAINTENANCE

Proper maintenance ensures the longevity and safety of your Irudek NEXION 258 rope.

Inspection:

- **Before Each Use:** Perform a visual and tactile inspection for cuts, abrasions, fraying, melted fibers, chemical damage, or any other irregularities.
- **Periodic Inspection:** A competent person should conduct a thorough inspection at least every 12 months, or more frequently depending on usage and environmental conditions. Document all inspections.
- **Retirement Criteria:** Retire the rope immediately if it shows signs of significant wear, damage, or if it has been subjected to a fall or excessive load. If in doubt, retire it.

Cleaning:

- Clean the rope with lukewarm water (max 30°C) and a mild, pH-neutral soap.
- Rinse thoroughly to remove all soap residue.
- Allow the rope to air dry completely in a cool, shaded, well-ventilated area, away from direct sunlight or heat sources.

Storage:

- Store the rope in a cool, dry, dark, and well-ventilated place.
- Protect it from direct sunlight, UV radiation, extreme temperatures, chemicals, and corrosive environments.
- Store loosely coiled, not tightly bound, to prevent kinks and damage.

7. TROUBLESHOOTING

Most issues with the NEXION 258 rope relate to wear and damage. Regular inspection is the primary method of troubleshooting.

- **Issue: Visible Fraying or Cuts:**
Solution: Immediately retire the rope. Do not attempt to repair damaged ropes.
- **Issue: Discoloration or Stiffening:**
Solution: This may indicate chemical exposure or heat damage. Retire the rope.
- **Issue: Damaged Plastic Protectors:**
Solution: While the rope itself might be intact, damaged protectors reduce abrasion resistance. Assess the extent of damage. If the rope core is exposed or compromised, retire the rope.
- **Issue: Rope feels unusually soft or hard in sections:**
Solution: This could indicate internal damage to the core. Retire the rope immediately.

If you encounter any doubt about the rope's integrity or performance, always err on the side of caution and retire the equipment from service.

8. SPECIFICATIONS

Specification	Detail
Brand	Irudek
Model Number	8436028797080
ASIN	B0C4PJBV5L
Material	Polyester Polyamide polyester PVC
Rope Diameter	12 mm
Lengths	0.3 m and 0.65 m
Weight	0.19 kg (190 grams)
Static Rope Resistance	22 kN
Standard Compliance	EN 354
Country of Origin	Spain
Product Dimensions (L x W x H)	5 x 0.5 x 5 meters (packaging/overall)
Closure Type	Swage
Wire Size / Thread Size	#0-80
Wire/Thread Style	Right Hand
Wire/Thread Coverage	Unthreaded
Date First Available	May 9, 2023
Spare Parts Availability	Information unavailable

9. WARRANTY AND SUPPORT

For information regarding product warranty, specific technical support, or to report any issues, please contact Irudek directly or the authorized retailer from whom you purchased this product. Keep your proof of purchase for warranty claims.

Regularly check the official Irudek website for the most up-to-date product information, safety notices, and user manuals.