

# BLUE STRIPE® Heavy Duty Ice Roller Operation Manual

The Ice Roller is a ground-based ice removal system for overhead lines. It will safely and effectively remove ice build-up without damage to conductors. The aluminum roller can accommodate ice coated conductors up to 1¾" total diameter. The non-impact design is safe for insulated and non-insulated conductors.

Components include:

- USIR-001 Ice Roller Head
- USIR-002 Ice Roller Pull Ring
- USIR-005 5 Foot Extension Stick
- USIR-010 10 Foot Extension Stick



USIR-002  
Pull Ring



EXTENSION STICK  
Male End



Female End



USIR-001  
Ice Roller Head



## WARNING



Follow safe work procedures and practices when utilizing this device. Failure to use this device in a safe manner can result in death, grievous personal injury and or equipment damage.

- The Ice Roller can be utilized to remove ice accumulations on both energized and de-energized lines.
- Ensure the insulated fiberglass inserts are installed in a way that prohibits line to line or line to ground contact.



## DANGER



Operators must ensure that an insulated fiberglass insert is installed and remains between the operator and the conductor at all times. The length of the insert(s) will be determined by field requirements such as the configuration of the line.

- Prior to installation and at regular intervals during use inspect the Ice Roller. Verify the bolts fastening the head assembly are firmly tightened and that the roller itself spins freely.
- Perform pre climb pole inspections and ascend the pole to attach the Ice Roller to the conductor.
- Once properly attached to the conductor the roller is pulled by hand. Care must be taken to ensure that the roller starts and stops prior to making contact with the insulator.



## DANGER



An insulated link stick or equivalent must be placed in the rope in addition to the insulated fiberglass insert to protect staff handling pull ropes.

- Use the Ice Roller Stick to break off excessive ice on a conductor if required so that the Ice Roller makes direct contact with the conductor surface.
- Pulling ropes shall at no time be wrapped on an operators body or attached to any vehicle during the pull process.
- Operators shall ensure that pulling ropes remain in control and away from all moving parts.
- During the ice rolling process operators should be positioned so they limit exposure to falling objects including ice.
- Operators should only pull one ice roller at a time.

B-01057 USIR Ice Roller Rev. 1.0 (1-14-15)

Phone (828)323-8914  
Fax (828)323-8410  
Email [sales@utilityolutionsinc.com](mailto:sales@utilityolutionsinc.com)  
Web [www.utilityolutionsinc.com](http://www.utilityolutionsinc.com)  
101 33<sup>rd</sup> Street Drive SE · Hickory, NC 28602

 **UTILITY  
SOLUTIONS**  
*Lineman driven. Field proven.®*