

US15 Large Format Slitting Tool

Instruction Sheet



THORNE &
DERRICK
INTERNATIONAL

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WARNING: THIS TOOL SHOULD NOT BE USED ON LIVE ELECTRICAL CIRCUITS. IT IS NOT PROTECTED AGAINST ELECTRICAL SHOCK!
ALWAYS USE OSHA/ANSI/CE OR OTHER INDUSTRY APPROVED EYE PROTECTION WHEN USING TOOLS. THIS TOOL IS NOT TO BE USED FOR PURPOSES OTHER THAN INTENDED. READ CAREFULLY AND UNDERSTAND INSTRUCTIONS BEFORE USING THIS TOOL.

The **Utility Tool®** US15 tool is a medium duty slitting tool primarily used to assist in the removal of outer sheathing and primary insulation on lower voltage industrial power cables. The tool will cut thru many forms of insulated material such as PE, PVC, EPR, silicon rubber, EPDM, and TGGT. The tool is particularly useful on flexible conductor cables up to 5kv. The US15 has a micro adjustable blade depth to avoid underlying cable damage. Ring, spiral, and longitudinal cuts can be accurately made by indexing the blade position. The high grade tool steel blade is also capable of slitting lead, Sealpic®, and other thin metallic sheathing.

Features:

- Diameter range: 0.45" - 2.26"
- Blade depth range: 0 - .155"
- Quick release jaw button
- Micro blade adjustment
- Highly durable alloy blade



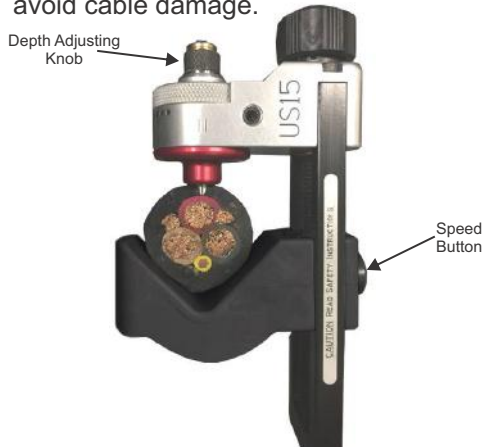
Some applicable cables

- three phase jacketed industrial cable
- Tiger® brand mining cable
- 2kv DLO cable
- 600v, 2kv oil and gas cable
- shielded instrumentation cable
- 600v, 2kv flex strand EPDM
- 600v flex stand THHN
- shielded telephone cable
- silicon insulated high heat cable
- TGGT wire

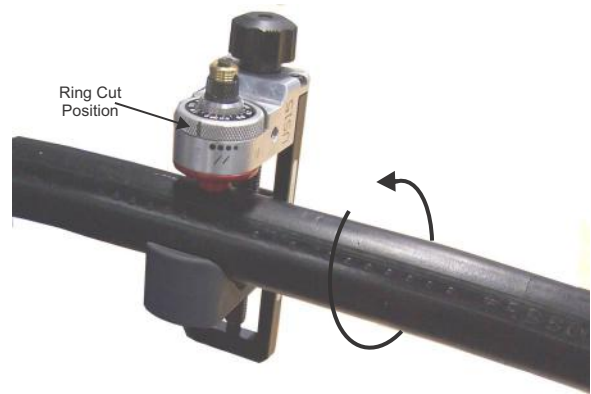


Operating Instructions

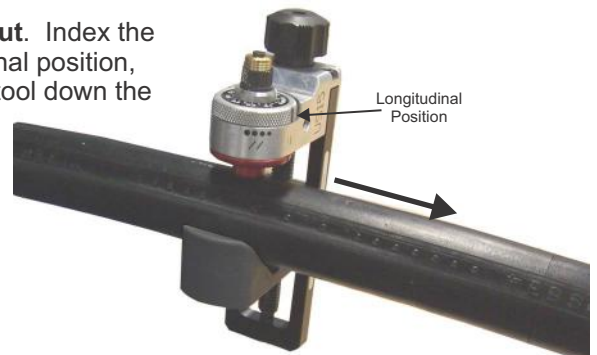
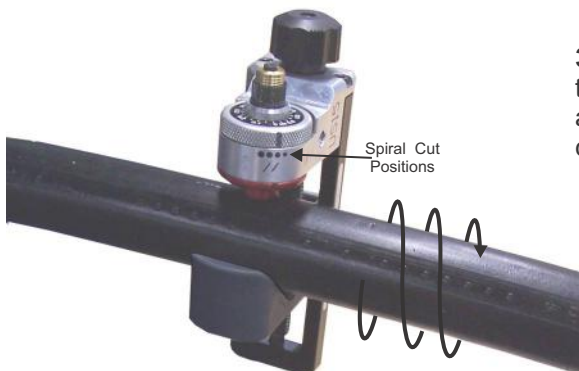
1. Set the blade depth. Set an appropriate blade depth to score the jacket or insulation. For jackets with consistent thickness, set the blade depth 75-90% of the thickness. For irregular shape jackets, set the blade depth shy of the thinnest section to avoid cable damage.



2. Ring cut the cable. Index the blade carriage to the ring cut position. The indicator line faces forward. Use the speed button to open the tool and close it at the score location. Snug the tool up with the tightening knob. Do not over tighten the tool on the cable. Rock the tool to feel the tension on the cable. Rotate counter clockwise to make a full ring cut.



3. Spiral and Longitudinal Cut. Index the tool to a spiral or the longitudinal position, as desired. Rotate or pull the tool down the cable to score it.





4. Remove the jacketing.



5. Use the US15 to strip the individual conductors.

Tool Model	Feature	Tool Part Number	Replacement Blade
US15 (metric)	Metric scale with 0.05mm increment blade depth adjustments up to 4.0 mm maximum depth	US15-7000	US15-7500
US15 (inch)	Inch scale with 0.002" increment blade depth adjustments up to 0.155" maximum depth	US15-7001	US15-7500

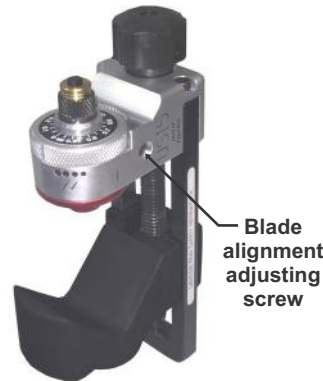
Blade Replacement Instruction

1. Turn the black blade adjusting knob counterclockwise fully for a 0 blade depth.
2. Secure a section of scrap cable into the tool.
3. Loosen the blade retaining screw with a 1/16 hex wrench and remove the blade from the collar.
4. Insert a new blade through the collar with the flat facing the screw. Drop the blade so it is resting on the cable OD. Re-tighten the blade holding screw against the flat portion of the blade shaft.
5. Re-adjust the blade to the desired depth setting.



Blade Alignment feature

The US15 tool is designed with a blade alignment feature to ensure the ring cut will track squarely. If misalignment is determined, turn the blade alignment adjusting screw with a 1/8" hex wrench in the correct direction to bring the tool back to a properly tracking ring cut.



Frequently Used Together



US15

+



86 1/2 Shears

+



MA04-7000 Pliers

WARRANTY: RIPLEY warrants its products against defective materials and workmanship for a period of two years from date of shipment from the RIPLEY factory provided the product is utilized in accordance with instructions and specified ratings.



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