

US15 PRO SERIES LARGE FORMAT SLITTING TOOLS

US15 PRO US15 PRO MAX



Patent
Pending

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.

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.

Product Overview

The Ripley US15 PRO series tools are heavier duty slitting tools primarily used to assist in the removal of outer sheathing and primary insulation on low and medium voltage power cables. The tools will cut thru many forms of insulated material such as PE, XLPE, PVC, EPR, silicon rubber, EPDM, and TGGT. The tools are particularly useful on flexible conductor cables up to 5kv. The US15 PRO series have 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.

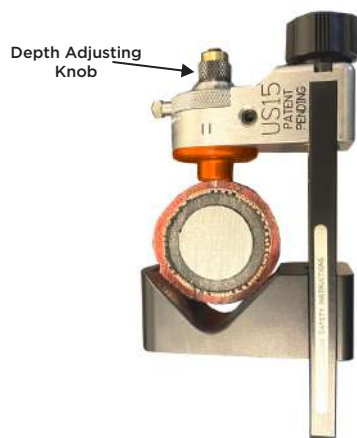
Product Features

- Diameter range: US15 PRO 0.39" - 2.36" (10.0 - 60.0 mm)
US15 PRO MAX 1.50" - 3.15" (38.0 - 80.0 mm)
- Blade depth range: 0 - .216" (0 - 5.5 mm)
- Micro blade adjustment: .002" index (0.05mm)
- Highly durable alloy steel blade

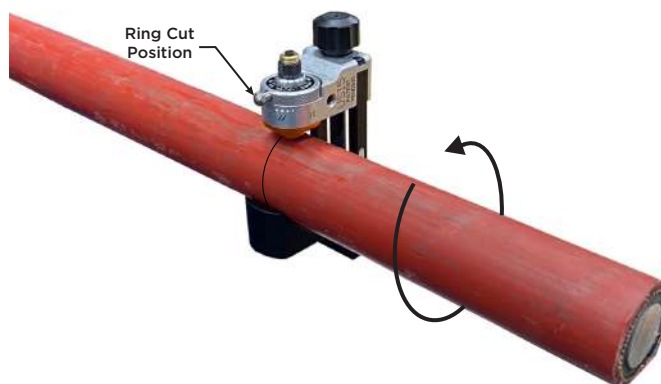
Some applicable cables: three phase jacketed industrial cable, jacketed medium voltage power cable, Tiger® brand mining cable, 2kv DLO cable, 600v and 2kv oil and gas cable, shielded instrumentation cable, 600v and 2kv flex strand EPDM, 600v flex stand THHN, shielded telephone cable, TGGT wire

Operating Instructions

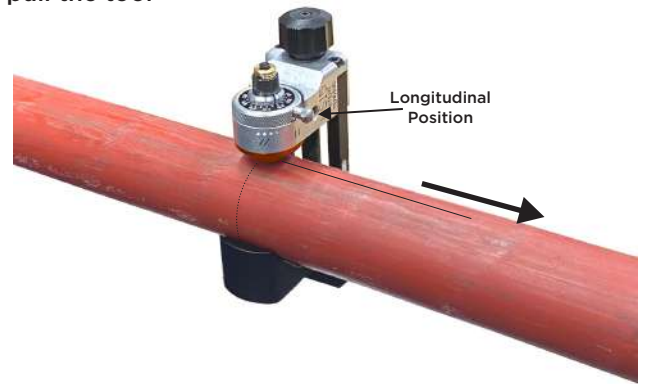
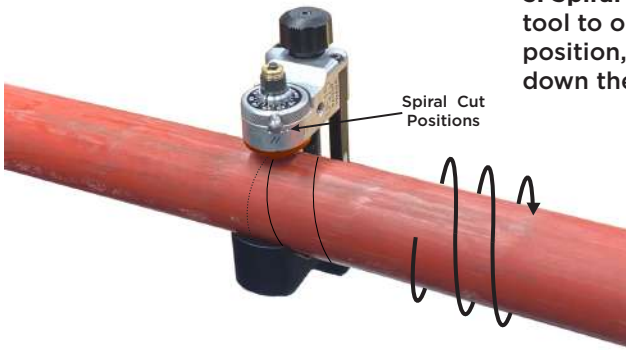
1. Set the blade depth. Set an appropriate blade depth to score the jacket or insulation. For jackets with consistent thickness, set the blade depth 75-90% of the thickness. For irregular shape jackets, set the blade depth shy of the thinnest section to avoid cable damage.



2. Ring cut the cable. Index the blade carriage to the ring cut position. The positioning knob faces forward. 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 one of the spiral or the longitudinal position, as desired. Rotate or pull the tool down the cable to score it.



4. Remove the jacketing.



5. Follow the same procedure with the US15 PRO to remove the insulation from the conductor.

US15-7020 Jacket Lift Tool for medium voltage cable

A US15-7000 series tool used together with the complementary US15-7020 Jacket Lift Tool makes medium voltage jacket removal a safer and more efficient operation.



Set the US15 blade depth to 75-90% of the jacket thickness. Then perform a ring and spiral cut, like instructed on page 1. Concentric neutral cable is illustrated here.(Fig.2A)

At the end of the cable, at the score line, carefully drive the wedge tip of the jacket lifter between the neutral wires and the jacket about 1/4 - 1/2" deep.(Fig.2b)

Roll the tool using the built in dowel pin leverage to get a start on the jacket. Peel the jacket end up far enough to grasp it easily with pliers (Fig.2b).

Then peel the jacket with pliers or by hand.(Fig.2c)



Fig. 2a



Fig. 2b

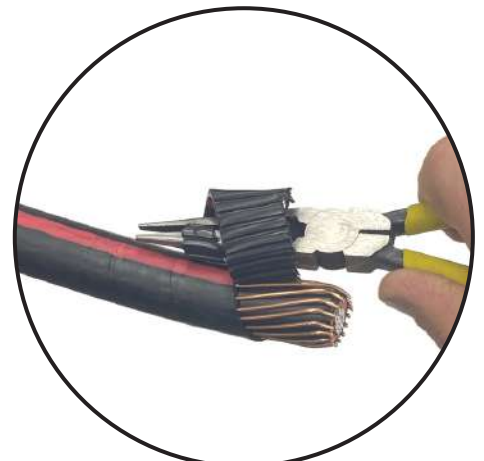


Fig. 2c

Tool Model	Scale	Tool Part Number	Diameter Range	Blade Depth Range (all models)	Replacement Blade (all models)
US15 PRO	Metric	US15-7010	0.39" - 2.36" (10.0 - 60.0 mm)	Up to 0.216" (5.5 mm) maximum depth	US15-7501
US15 PRO	Inch	US15-7011			
US15 PRO MAX	Metric	US15-7110	1.50" - 3.15" (38.0 - 80.0 mm)		
US15 PRO MAX	Inch	US15-7111			



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.