



# US02 MAX SEMI-CON SHAVING TOOL

US02-7100



**⚠ 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 US02-7100 Semi-con Shaving Tool is used to shave bonded semi-con from medium and high voltage power cable. The cable size range is 55mm to 80mm (2.17 - 3.15") diameter over the semi-con screen with semi-con thickness up to 2.4mm (.095") thick. The tool will produce a micro finish surface on the shaved insulation and produce a beveled edge at the transition point.

## Product Features

- Blade form provides a superior finish on shaved insulation
- Precision blade depth adjustment with 0.1 mm (.004") depth increments
- Two feed positions to optimize tool performance
- Stop position ends the shave operation squarely and cleanly
- 12 degree chamfer at semi-con end
- Multiple contact bearings provide stable cable support
- Each tool supplied in molded protective carrying case

## Operating Instructions

1. Retract the blade to its highest position by turning the gold blade adjusting knob counterclockwise.
2. Open the tool and locate the cable end approximately 2-3mm left of the taper transition on the blade as shown in Figure 1a and 1b. Secure the cable in the tool.
3. Turn the blade adjusting knob clockwise until the blade touches the semi-con screen.
4. Set the feed lever at #1 stripping position (Fig. 2). #1 is a conservative feed.
5. Rotate the tool on the cable. As the tool advances on the cable, observe the semi-con chip and re-adjust the blade depth for a minimal thickness of insulation removal and an optimal shaving result.



Fig.1a



Fig.1b

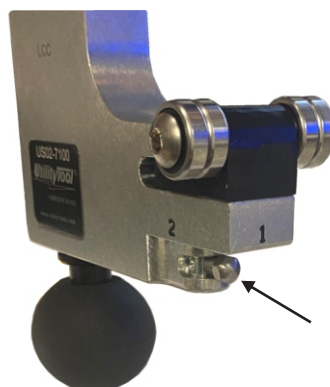


Fig.2

6. The feed lever has four indexed feed positions. It can be indexed diagonally toward the #2 for a more aggressive feed or fully at the #2 for the fastest feed. The feed can be slowed down by indexing the lever diagonally toward the Stop position.

7. Observe the shaved semi-con strip during operation. During the shaving process, do not allow the strip to get caught under the cable rollers. This will disturb the shaving result. A convenient technique is to loop the shaved semi-con strip through the winding loop on the tool and tie it off at the end of the cable. Note the direction and placement in Fig.3

8. After shaving to the desired length, move the feed lever to the stop position (Fig.4). Make one full turn to finish the shaving. Carefully remove the tool from the cable.

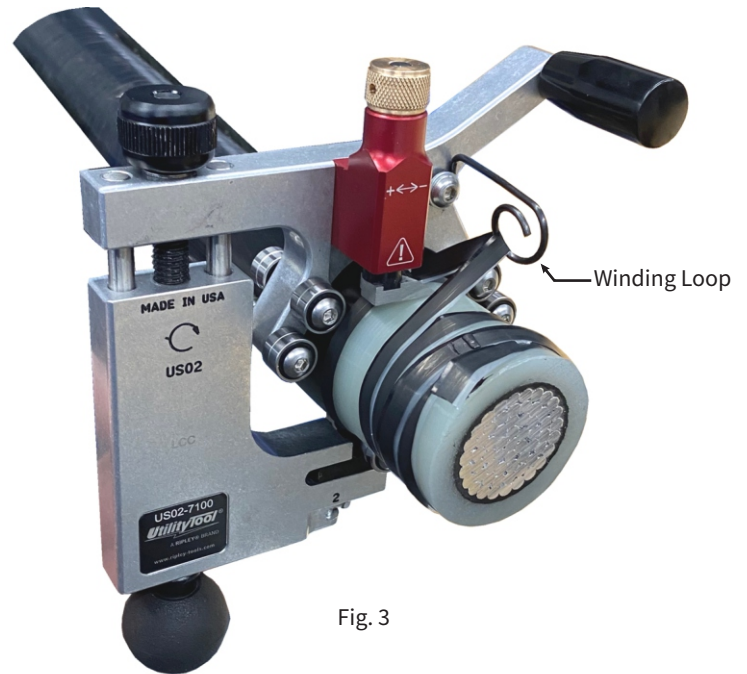


Fig. 3

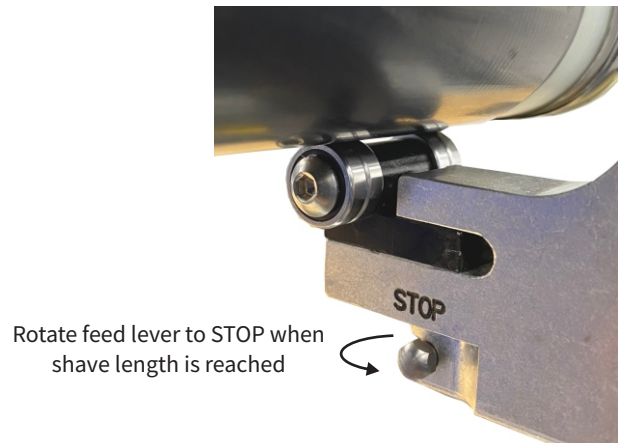


Fig. 4

**Replacement Blade: p/n US02-7501**

Use 9/64" Hex Wrench to remove blade holding screw underneath blade.