

# WS50

## Adjustable End Stripping Tool

### Instruction Sheet

**Warning!** This tool should not be used on live electrical circuits. It is not protected against electrical shock! Always use OSHA/ANSI 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.

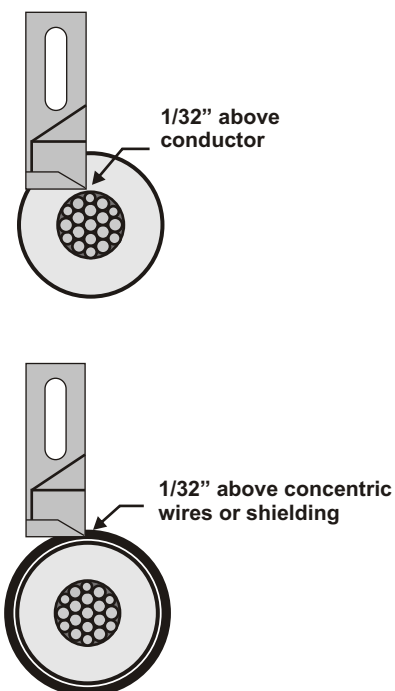
The WS50 tool is an end stripper for 1/0 - 1000 mcm URD medium voltage cables. The operating range of the tool is for cables with an outer diameter of .50" - 2.25". The tool provides safe removal of XLPE, PVC, polyethylene, and most EPR insulation materials.



1. Always cut the cable end with a proper Cable Cutter (curved jaws), or use a Hacksaw. It is important not to flatten the conductor surface.
2. Place the WS50 over the cable end, with the blade just out beyond the cable's end.
3. Adjust the fit of the WS50 by turning the knurled knob located at the end of the tool. The fit should be secure and slightly snug but the tool should still rotate freely around the cable.
4. To set the blade depth, position and lock the CB50 Cutting Blade with the bottom of the cutting edge about 1/32" (0.8mm) above the concentric neutral wires, shielding, or conductor surface, as shown in the figures at right.
5. Slowly rotate the WS50 counter clockwise one full turn. Re-position the blade if it appears too deep at any location. The CB 50 can be damaged if the blade is set too deep and inadvertently cuts metallic shielding or a conductor.
6. When the CB 50 is properly positioned, the stripping operation can be performed by applying a slight forward pressure while rotating the tool around the cable in a clockwise direction. Continue this procedure until the desired amount of insulation or jacket material has been removed.
7. Finishing the stripping operation

#### Outer jackets:

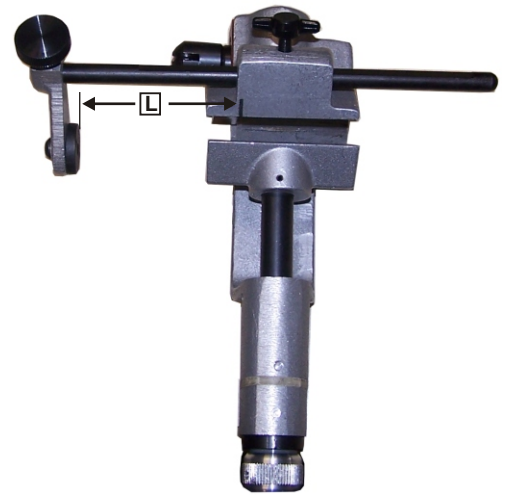
To end the stripping operation of outer jackets on smaller cables, the tool can be run up to a gloved hand on the cable. Turn the tool one complete revolution against the hand until the jacket chip breaks off the cable. Alternatively, the **Utility Tool QC-1** clamp is a tool stop device that assists in producing reliable and repeatable squared off cuts. This clamp is highly recommended for medium to large diameter cables, or any cable with a heavier jacket thickness.



Finishing the stripping operation:

**Insulation stripping:**

A stop bar assembly is provided with the WS 50 tool. The picture at right shows a WS50 with a stop bar assembly installed. The stop bar assembly will allow the tool to produce repeatable conductor strip lengths ranging from 1/2" to 6-1/2". The tool will produce an exposed conductor length - L - equal to the distance between the steel stop face and the mark line on the tool body. Loosen the wing knob and adjust this length as required.



The stop face can be rotated to its most ideal position for a conductor stop. Loosen the round thumb knob and position the stop face as required.

On the picture at right, the conductor has reached the stop face. One additional tool turn will terminate the strip operation.

The stop face can be rotated away from the cable area to allow continuous stripping of the tool.



**Replacement Blades:**

**CB50** - Long reach blade (p/n 30703) produces a wider cut

**CB50A** - Standard reach blade (p/n 30712) produces a smaller cut

**CB155 Retrofit Kit** (p/n 34730) This blade replacement kit allows for a finer blade depth adjustment. This blade kit is especially useful for stripping jacketed concentric neutral cables.

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

