

**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 **SCS MAX Semi-con Scoring Tool** is used to make precision score depth cuts on large diameter power cable with strippable semi-con to assist in proper semi-con removal. The tool has a cable size range of 45mm to 75mm (1.77 - 2.96") diameter over the semi-con screen. The tool scoring depth is up to 4 mm (.16").

**Tool Features**

- semi-con diameter range 45mm - 75mm (1.77" - 2.96")
- blade depth adjustment range up to 4 mm (.16") deep
- dual action scoring capability: ring cut and spiral cut
- micro indexing blade depth adjustments in 0.05 mm (.002") increments
- works in tight places with a 4" operating envelope



**Operation**

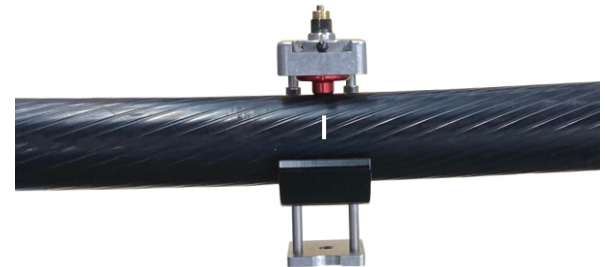
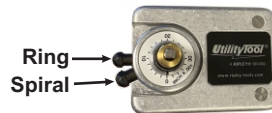
**1. Set the blade depth**

The black knurled knob at the top of the tool is used to index a blade depth. Turn the knob clockwise for a deeper blade setting. One full revolution is 1.0mm (.040") deep. Refer to the cable's nominal and minimum semi-con thickness to establish a blade depth that avoids any damage to the insulation.



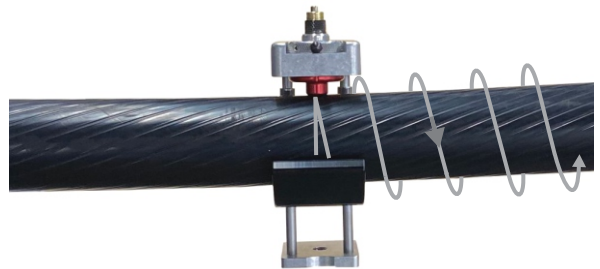
**2. Locate the tool on the cable**

Squeeze open the SCS MAX tool and place it on the cable at the strip back dimension. Ensure the blade is positioned for a circumferential ring cut.



**3. Score the cable \*\***

Make 1 full counterclockwise rotation for a ring cut. Index the blade for a spiral cut. Continue to rotate the tool to the end of the cable.



\*\*The SCS MAX is manufactured with tight tolerance components, but a bow in a cable or cable shield impressions on the semi-con may influence the tracking of a circumferential ring cut. The use of a tool stop or clamp adjacent to the SCS MAX is recommended and helps ensure a perfect circumferential cut. Consult Ripley Tools factory if a specialty tool stop clamp is desired for a particular cable size.

**4. Remove the semi-con**



Tool Model	Feature	Tool Part Number	Replacement Blade
SCS MAX 45-75	Inch scale with 0.002" increment blade depth adjustments up to 0.16" maximum depth	US05-7100	43645
SCS MAX 45-75 (metric)	Metric scale with 0.05mm increment blade depth adjustments up to 4.0 mm maximum depth	US05-7101	43645

**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.**