



VariStrip™ Series THHN ALL-IN-ONE STRIPPING KIT

US21-7200



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 VariStrip™ THHN All-In-One Stripping Kit is designed for safe and efficient insulation removal from Copper and Aluminum THHN cables with a #2 - 400 MCM conductor size range. The kit is composed of a drill-drive tool body and five variable stripping bushing assemblies. The tool body is built with a convenient snap collar and can be adjusted for a desired strip length. Each stripping bushing employs a dynamic spring loaded cable positioner that increases the bushing size range to multiple conductor sizes and also compensates for cable manufacturing tolerances.

Product Features

- made for THHN cables with aluminum and copper conductors ranging from #2 - 400 mcm
- patented stripping bushings will dynamically locate the cable for reliable insulation removal
- spring loaded design allows each bushing to strip 4 distinct cable types and compensates for cable variations
- only 5 bushings are needed for 20 cable types
- precision bushing blade depth ensures no conductor damage
- tool body is built with a quick release snap collar and 1/2" - 3" strip stop
- kit includes a tool body, five stripping bushings, a durable carry case, five replacement blades, and a quick reference selection chart

Operating Instructions

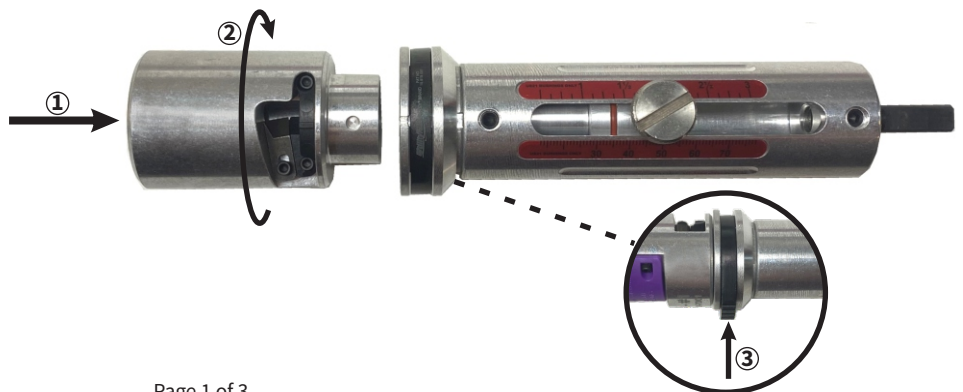
A. Select the correct stripping bushing.

Ensure the THHN cable being stripped is between #2 and 400 mcm conductor size. Refer to the sizing chart and select the correct color coded bushing.

#1 AWG CU #1 AWG AL #2 AWG CU #2 AWG AL #2 - #1	2/0 CU 2/0 AL 1/0 CU 1/0 AL 1/0 - 2/0	4/0 CU 4/0 AL 3/0 CU 3/0 AL 3/0 - 4/0	300 MCM CU 300 MCM AL 250 MCM CU 250 MCM AL 250 - 300	400 MCM CU 400 MCM AL 350 MCM CU 350 MCM AL 350 - 400
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B. Lock the bushing into the tool.

1. Insert the bushing fully into the front end of the tool.
2. Then rotate the bushing to engage the lock tab in the collar. It will audibly snap into place.
3. To release the bushing, push the lock collar on the bottom of the tool.



Page 1 of 3



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US21

C. Set the strip length. (Fig 3)

Loosen the lock screw on the stop assembly. Slide the stop assembly to align the red O-ring to the desired strip length on the scale. Re-tighten the lock screw.



Fig. 3

D. Attach a drill. (Fig 4)

Use a variable speed drill and operate the US21 at the low speed setting. Do not use an impact drill with the US21 stripping tool.



Fig. 4

E. Insert the cable. (Fig 5)

A clean cut on the cable end that maintains a round form makes the insulation stripping more reliable and easier. Insert the cable into the bushing until it hits the blade. Some resistance may be felt on larger copper conductors. The spring loaded ramp will be felt. This is OK.

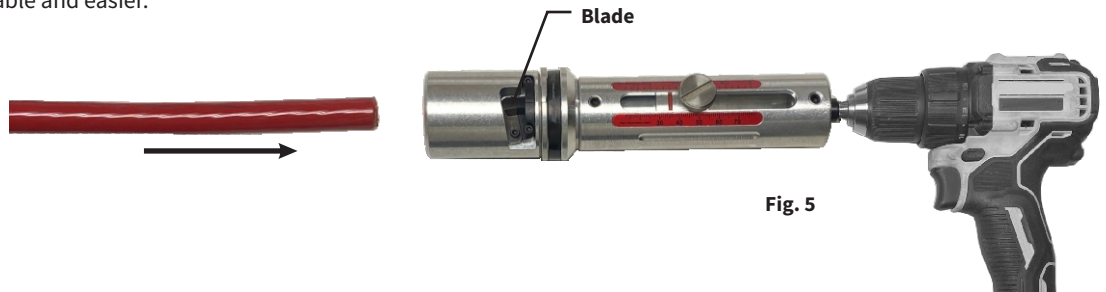


Fig. 5

F. Strip the cable. (Fig 6)

Run the drill moderately slow, up to 200 RPM, while pushing the tool into the cable. The tool will begin to feed itself as it strips the insulation.



Fig. 6

G. Remove the tool. (Fig 7)

When the cable reaches the strip stop, the stripping operation is done. When the insulation chip breaks off, stop the drill. Then remove the tool from the cable. Avoid free wheeling with the tool to prevent conductor damage.



Fig. 7

US21 kits and components available for purchase.

Part #	Description	Compatibility	Size	Weight
US21-7200	US21 THHN/XHHW Kit with 5 Bushings, Drill Adaptable Tool & Carrying Case	#1-400MCM THHN / XHHW	10" x 12" x 3"	1.5lb (680g)
US21-7205	Kit of 5 Bushings Only	#1-400MCM THHN / XHHW	9" x 3" x 3"	1lb (454g)
US21-7100	Drill Adaptable Tool Body	Works with all US21 bushings	6" x 2" x 2"	0.75lb (340g)
US21-7001	Variable Bushing	#1-#2 THHN / XHHW	3" x 2" x 2"	0.25lb (113g)
US21-7002		1/0-2/0 THHN / XHHW		
US21-7003		3/0-4/0 THHN / XHHW		
US21-7004		250-350MCM THHN / XHHW		
US21-7005		350-400MCM THHN / XHHW		
US21-7006		500MCM THHN / XHHW		
US21-7007		600MCM THHN / XHHW		
US21-7008		750MCM THHN / XHHW		



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