ANTI-FIRE STAPLES™

Insulated Barbed Wood Pole Staples

Lindsey Anti-Fire Wood Pole Staples are designed to reduce or eliminate current flow from ground wires into wood poles through the staple. Common staples or clips used to hold ground wires to wood poles create a path for current flow between the ground wire and the pole. The patented insulator on the staple eliminates this current path.

Lindsey Anti-Fire Staples shown both ready for installation and installed.

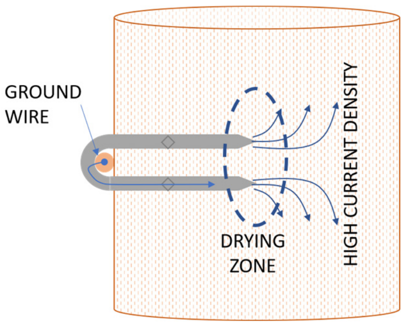

Figure 1: High current density is produced at the tips of staples when the ground wire is not insulated from the staple.

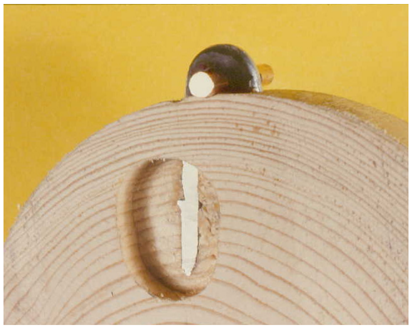

Figure 2: Sectioned example of fishhook staple shows holding power of patented fishhook design.

Used Extensively by Utilities for Over 40 Years

Reduce the Chance of Pole Fires

The electrical characteristics of wood poles vary as they age, become dry, and crack. Staples are used to attached ground wires to the poles outer surface. The sharp staple points concentrate the current density within the pole. These points of high current density can cause heating and the formation of local dry spots, leading to charring. On older poles, cracks may introduce air increasing the risk of fire.

Lindsey Anti-Fire staples insulate the staple from the ground wire, eliminating this current path. This helps prevent crossarm and pole fires caused by current flow through the staple. See Figure 1.

Secure Hold

Anti-Fire staples are available in a unique fishhook design that securely holds grounding and bonding wires. This eliminates staple loosening caused by ground wire flapping in high wind conditions and wasted manpower to re-drive loose staples*. See Figure 2.

Suitable for Aluminum Wire

The staple insulation prevents corrosion caused by contact between galvanized staples and aluminum ground wire.

Theft Deterrent

The extreme grip provided by the barbed, fishhook design makes them very difficult to remove with ordinary hand tools. This discourages theft of copper ground wire.

Quiet

The insulation between the staple and ground wire eliminates sparking that can cause RFI (Radio Frequency Interference) noise.

*Heavy duty square staple part number 10620 does not contain fishhook barbs.

ANTI-FIRE STAPLES™

LINDSEY PART NO. (*See below)	FINISH	DIMENSIONS (INCHES) L x S x D	SOLID CU WIRE SIZE RANGE	FIGURE
10404-W	GALV. WIRE	1.25 x 5/16 x .162	#4, 6, 8	3
10408-W	GALV. WIRE	1.5 x 1/4 x .148	#6, 8, 10	3
10410-W	GALV. WIRE	1.5 x 5/16 x .162	#4, 6, 8	3
10414-W	GALV. WIRE	2 x 5/16 x .162	#4, 6, 8	3
10444-W	HOT DIP GALV	1.25 x 5/16 x .162	#4, 6, 8	3
10448-W	HOT DIP GALV	1.5 x 1/4 x .148	#6, 8, 10	3
10450-W	HOT DIP GALV	1.5 x 5/16 x .162	#4, 6, 8	3
10454-W	HOT DIP GALV	2 x 5/16 x .162	#4, 6, 8	3
10620-W	HOT DIP GALV	2 x 17/32 x .250	#2, 3, 4	4

*Substitute 5 or 50 for the W in the catalog number. Staples are packaged in 5 pound and 50 pound boxes for ease of use and to eliminate glove damage caused when linemen reach into a keg of sharp pointed staples.
For example, 10404-50 is the part number for a 50 pound box of staple 10404.

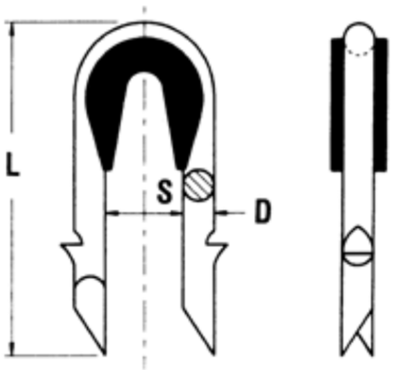

Figure 3: Fishhook Anti-Fire Staple design, slash point

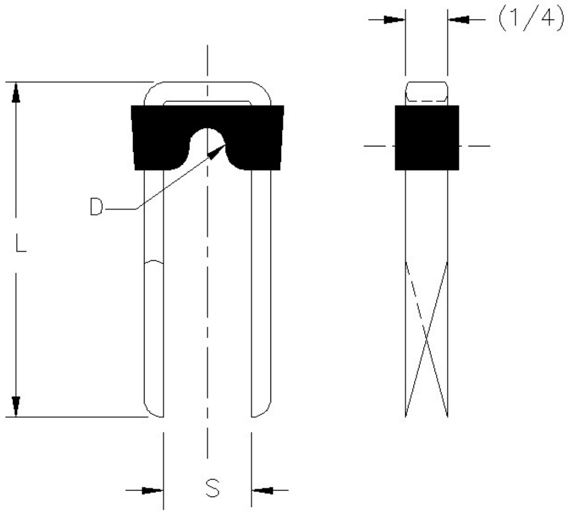

Figure 4: Square Anti-Fire Staple design, slash point. Elimination of barbs eases driving into very hard poles.

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