



# GUY-GRIP® DEAD-END

## INSTALLATION INSTRUCTIONS



### IMPORTANT SAFETY INFORMATION

**READ AND COMPLETELY UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLING PRODUCT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY OR DEATH.**

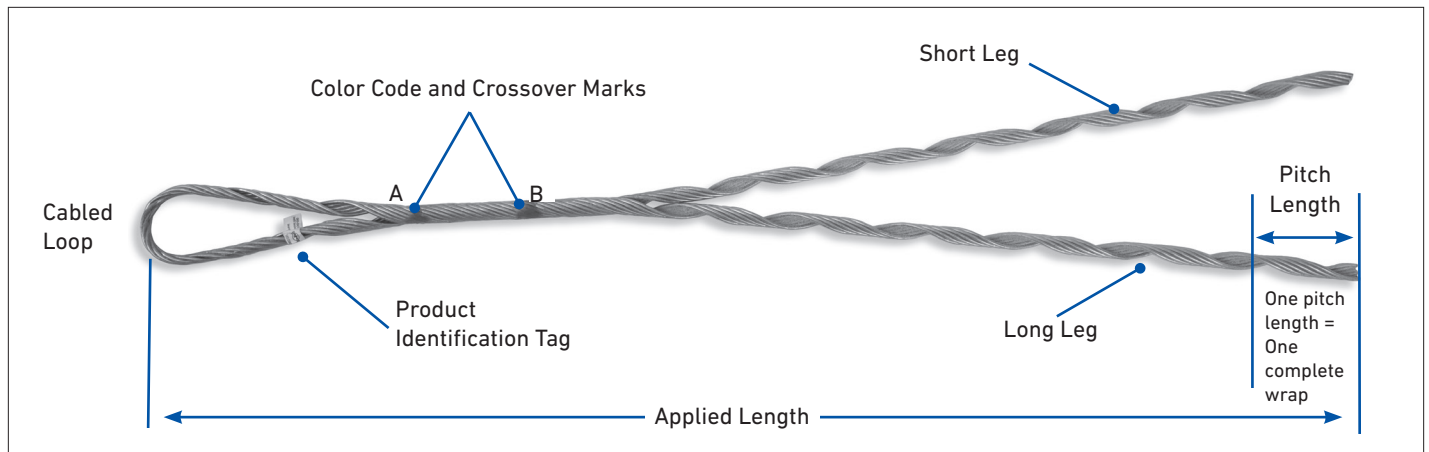
This product is intended for use by trained technicians only. This product should not be used by anyone who is not familiar with and not trained to use it. When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol. These instructions are not intended to supersede any company construction or safety standards. These instructions are offered only to illustrate safe installation for the individual. PLP products are intended for the specified application only. Do not modify this product under any circumstances. Do not reuse or reinstall any PLP product unless that capability is expressly indicated in the product's Installation Instructions. For proper performance and personal safety, be sure to select the proper PLP product before installation. PLP products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.



### WARNING

PLP Products are not designed or tested for uses other than those set forth herein. This includes, but is not limited to, rope/challenge courses, aerial adventures, canopy tours, and zip line applications. If PLP Products are used in such applications, they may be subjected to forces and stresses for which they are not designed, and which could result in **SERIOUS INJURY OR DEATH**.

## CHARACTERISTICS



Crossover marks labeled "A" is to be used as strand starting point on small seated hardware and anchor rods. Utilize crossover marks labeled "B" (provided only on 3/8" and smaller strand applications) as strand starting point for seat diameters larger than specified in the table in the Product Catalog, guy strain insulators requiring a longer loop or bigger seat diameter, or strand connectors with set diameters greater than 1-3/4".

L-Series GUY-GRIP Dead-Ends have only one set of crossover marks at "A".

## INSTALLATION GUIDELINES

### CAUTION

Failure to follow the precautions, notes, and steps contained within these Installation Instructions represents a misapplication of the product.

- GUY-GRIP Dead-Ends are precision devices. To ensure a tight assembly, they should be handled carefully. To prevent distortion and damage, they should be installed only as illustrated.
- Within the first three months after the initial application, GUY-GRIP Dead-Ends may be removed and reapplied two times after the initial application for the purpose of retensioning the guy. After three months, a new dead-end should be used anytime removal is required.
- GUY-GRIP Dead-Ends should be used only on the size strand for which they are designed.
- GUY-GRIP Dead-Ends **should not** be used as tools; that is, as come-alongs, pulling-in grips, etc.
- GUY-GRIP Dead-Ends are not acceptable for Overhead Shield Wire.
- GUY-GRIP Dead-Ends should be applied only to smooth-contoured pole line hardware which has ample radius. Drive hooks, eye bolts and nuts do not have ample radii. The grip must be seated completely in the proper groove of the mating hardware to assure the wires of the loop don't lie across a ridge that may be present in the hardware. See Acceptable Fittings and Caution box in the Product Catalog.
- GUY-GRIP Dead-Ends should be used on hardware that is held in a fixed position; the fitting should **not** be allowed to rotate or spin.
- GUY-GRIP Dead-Ends should be used with compatible strand and fittings.
- Lay direction of both the GUY-GRIP Dead-Ends and the strand should be the same. Most strand is left-hand lay.
- GUY-GRIP Dead-Ends should not be used as false dead-ends.
- For best product performance, guy tensions should be maintained at a minimum of approximately 10% of the strand's Rated Breaking Strength (RBS).
- If in doubt about fittings or application, contact your factory representative for an engineering recommendation.

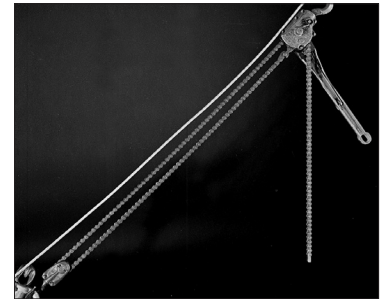
## APPLICATION AT THE ANCHOR - SINGLE GUY

1

Position pulling eye as shown on anchor rod. Attach hoist (approximately two times the length of the dead-end) above the anchor rod and pull the guy to desired tension.

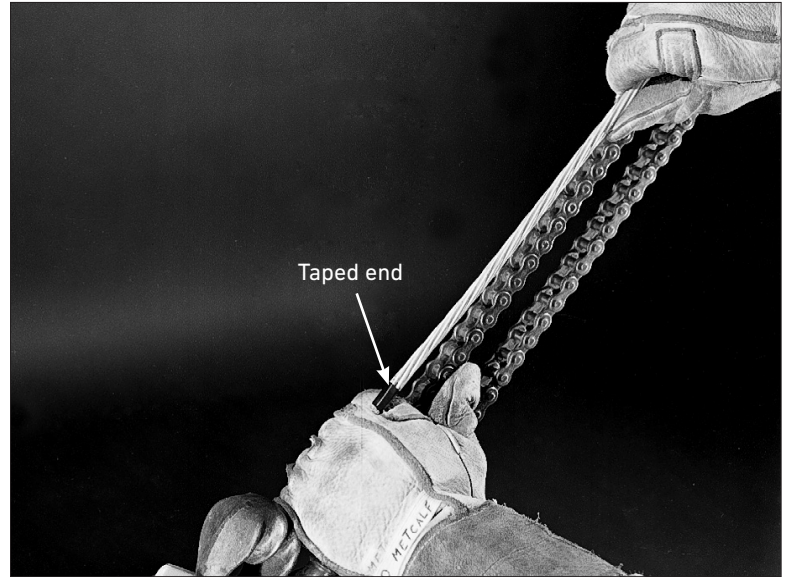


Pulling eye shown on the anchor rod



- 2 Tape the strand (if necessary) and cut it one hand's width or approximately 3" above the anchor rod.

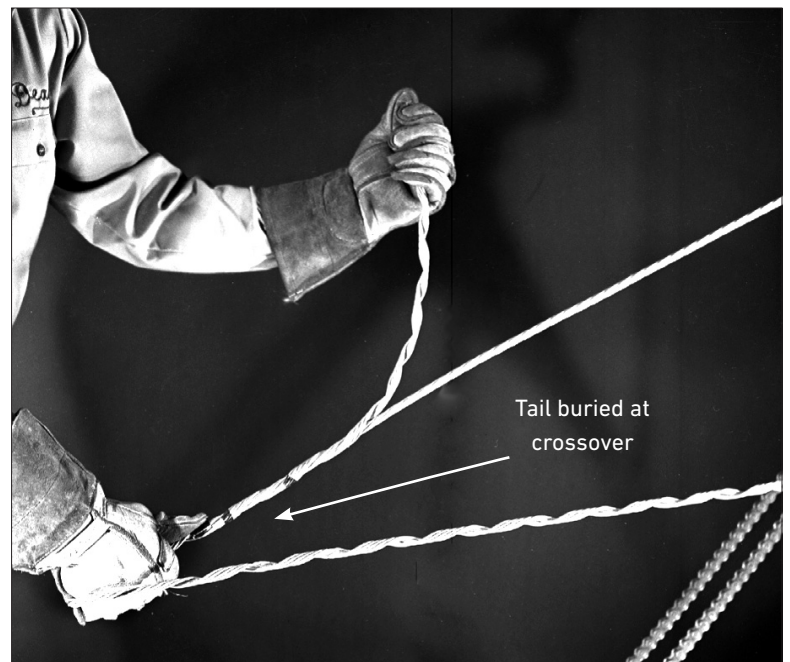
**NOTE:** If desired, the tail can extend through the loop for grounding purposes.



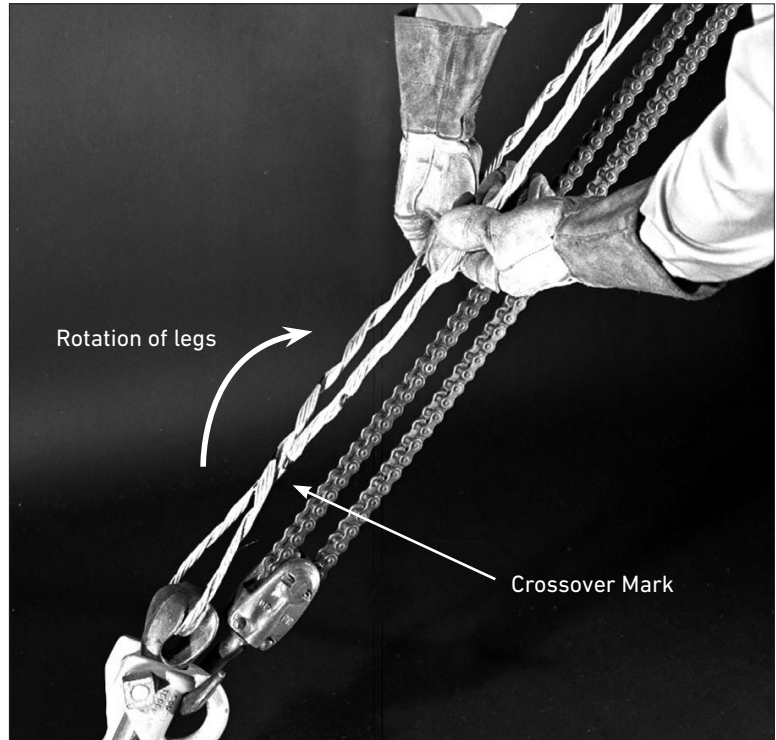
- 3 Position the strand in the grip at the crossover mark for the application. With the right hand, pull down on the strand to remove as much slack as possible. Using the left hand, align the loop of the grip with the groove in the anchor rod eye. After proper alignment is made, apply thumb pressure at the crossover mark to hold strand tail in place.



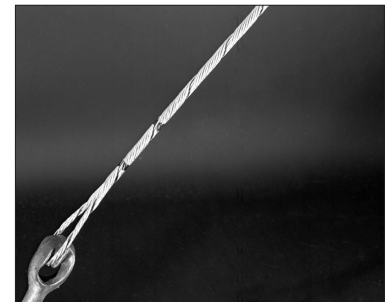
- 4 Hold the strand away from the hoist and apply all of the first leg except for the last two pitches.



- 5 Insert the second leg through the anchor rod eye, match the crossover mark and apply.



- 6 To ease the application on the last two pitches, the legs may be split (see image to left). Make sure that all rod ends are snapped into place before removing the hoist.



Completed single guy application of the GUY-GRIP Dead-End.



For installation of multiple down guys on a pole, see application procedure **SP3253**. Scan this QR code to download now or visit [PLP.COM](http://PLP.COM).