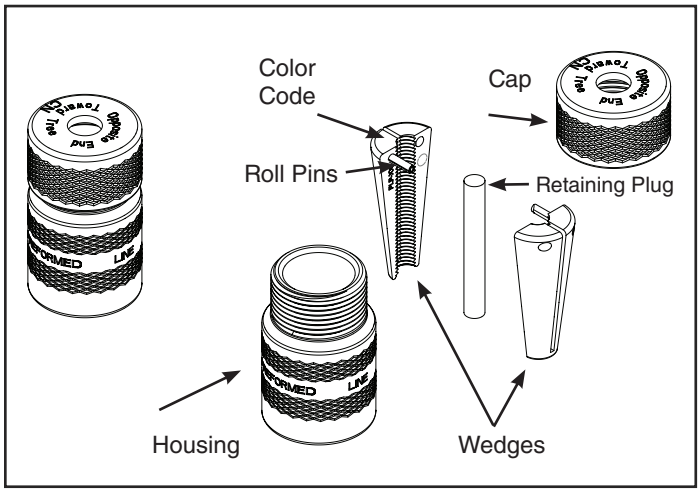
WEDGE-GRIP™ DEAD-END

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED™ product before application.

Extra precautions should be taken when it is anticipated that larger trees or heavy limbs will be subject to dynamic activity due to higher than normal wind loadings. Contact a sales representative for recommendations.



Wedge-Grip Dead-End (Catalog Numbers WG-1250, WG-1251, WG-1252, and WG-1253) should be applied to extra high-strength (EHS) left hand lay (LHL) or right hand lay (RHL) galvanized steel strand and common grade strand sizes 3/16, 1/4, 5/16, and 3/8 inch.

To identify the appropriate WEDGE-GRIP Dead-End size, refer to the chart on page 3.

Step #1

Match the correct EHS strand size needed for the job with the corresponding WEDGE-GRIP dead-end. The color code is visible through the cap. Then tape the area of the strand to be cut. This will prevent the individual wires from separating after the cable cutter cuts the strand.

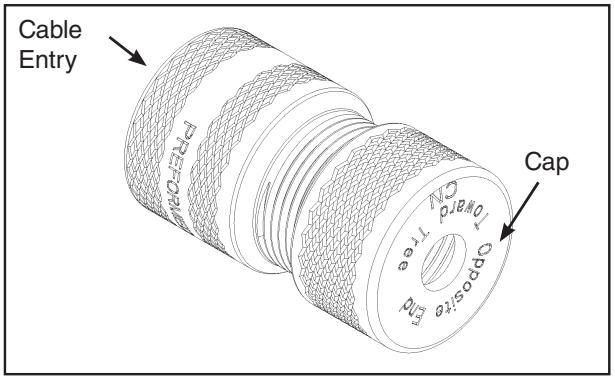
NOTE: After strand has been cut, remove tape for dead-end installation.

Step #2

Locate and drill a hole through the tree branch or trunk where cabling will be installed. Hole diameter shall be slightly larger than the cable diameter.

NOTE: The holes drilled must be in line with each other in accordance with applicable ANSI A300 standards. Installing the WEDGE-GRIP Dead-End where sideloading on the wedges may occur, can cause product failure

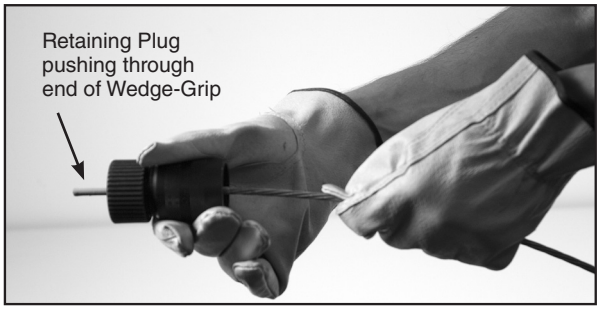
Step #3 Twist cap on WEDGE-GRIP™ Dead-End just until wedges are loose and separated enough to insert the cable. Be careful not to twist the cap completely off the housing.

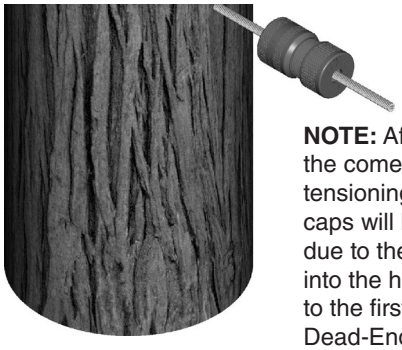


Step #4 Slide cable through the hole in the tree.

NOTE: We recommend the limbs of the tree be pulled inward before the installation of the cabling system (Cable + WEDGE-GRIP Dead-End). Doing so will increase the pressure applied to the strand.

Step #5 Slide WEDGE-GRIP Dead-End over cable so the retaining plug is pushed through. Be sure to face the cap away from the tree. **NOTE: Cap is marked with text – "Opposite End Toward Tree"**





NOTE: After removing the come-along or other tensioning device, the caps will have loosened due to the wedge pulling into the housing. Return to the first WEDGE-GRIP Dead-End and retighten the cap.

Step #6 Position WEDGE-GRIP Dead-End against the tree and pull on cable to tension as required. The WEDGE-GRIP Dead-End must be properly positioned in-line with the cable path.

For proper dead-end function to occur, verify that the cable is centered between wedges, and that wedge end faces are flush with each other.

Step #7 Hand tighten cap on WEDGE-GRIP Dead-End and trim excess cable off as required.

Step #8 In order for the wedges to seat properly, the cable should be taut after installation. PLP recommends 150+ pounds of tension at installation.

NOTE: If less tension is desired after initial installation, follow this procedure:

Remove cable tension at WEDGE- GRIP Dead-End housing creating a gap between the WEDGE-GRIP and the tree, twist open the cap and tap the housing toward the tree, until the wedges are loose. Then slide the cable back through the WEDGE-GRIP Dead-end until the proper tension is achieved.

INSTALLATION GUIDELINES

1. The WEDGE-GRIP Dead-End is a precision device. To ensure correct assembly, it should be handled carefully and installed as illustrated.

2. The WEDGE-GRIP Dead-End should be stored in a carton under cover – preferably shelf storage – until used.

3. The WEDGE-GRIP Dead-End may be removed and reapplied for the purpose of adjusting cabling during installation.

4. The WEDGE-GRIP Dead-End should not be reused after original installation.

5. The WEDGE-GRIP Dead-End should be used only on the size strand for which it is designed. (See table)

6. The WEDGE-GRIP Dead-End should be installed with tension on the strand. PLP has determined that an initial load of 150+ pounds is sufficient to properly seat the wedge.

7. The WEDGE-GRIP Dead-End should not be used as a tool (e.g., come-alongs, pulling-in grips, etc.).

8. If in doubt about an application, contact your factory representative for an engineering recommendation.

WEDGE-GRIP™ DEAD-ENDS CATALOG NUMBER	COLOR CODE	EXTRA HIGH STRENGTH STRAND (EHS)
WG-1250	RED	3/16"
WG-1251	YELLOW	1/4"
WG-1252	BLACK	5/16"
WG-1253	ORANGE	3/8"

NOTE: The PLP® Safety Guy Wire Dispenser, Catalog No. SGD-0700 shown below, is a perfect accessory when carrying and working with extra high-strength strand.

SAFETY CONSIDERATIONS

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual.
FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.

Do not modify this product under any circumstances.

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.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.

PREFORMED products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED LINE PRODUCTS

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