

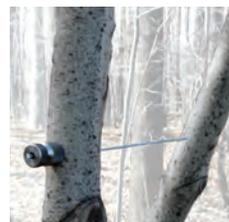


PREFORMED LINE PRODUCTS
The connection you can count on.

Tree Cabling Installation
Made Simple
WEDGE-GRIP™ DEAD-END

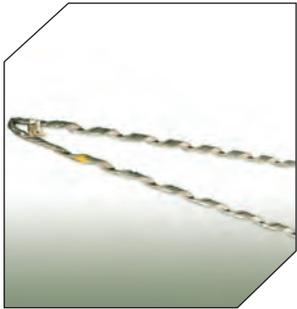


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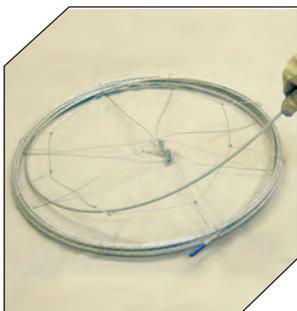




Additional Arborist Products Available:



TREE-GRIP™ Dead-end



Safety Wire Dispenser



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WEDGE-GRIP™ Dead-ends - The Innovative, Quick Way to Cable Trees

Description

WEDGE-GRIP Dead-ends are designed to simplify the costly, labor intensive job of cabling trees. The simple housing and wedge assembly terminates EHS and Common Grade strand by simply sliding over it, and with a turn of the cap, the strand is held in place. The WEDGE-GRIP Dead-end eliminates the need to twist strand or alter its integrity in any way.

The result is a reliable cable termination that maintains 100% of the published rated breaking strength of the strand, and took only seconds to apply.

Features

- Patent Pending
- Does not harm trees
- Arrives pre-assembled
- Optional color coded wedges match EHS and common grade strand sizes
- For use on extra high strength galvanized steel strand
- Quick and easy installation
- No special tools needed – hand tighten
- Easy to adjust
- Compact design is perfect for tree crotch and tight spaces

WEDGE-GRIP		
Catalog Number	Strand Size	EHS RBS
WG-1250	3/16"	3,990 lbs
WG-1251	1/4"	6,650 lbs
WG-1252	5/16"	11,200 lbs
WG-1253	3/8"	15,400 lbs



Extra High Strength Strand (EHS)		Common Grade Strand	
Size	Published Rated Breaking Strength (RBS)	Size	Published Rated Breaking Strength (RBS)
3/16"	3,990 lbs	3/16"	1,115 lbs
		1/4"	1,900 lbs
		5/16"	3200 lbs
1/4"	6,650 lbs	3/8"	4,250 lbs
		7/16"	5,200 lbs
5/16"	11,200 lbs	1/2"	7,400 lbs
		9/16"	9,600 lbs
3/8"	15,400 lbs	5/8"	11,600 lbs

Additional PLP Arborist Products:

TREE-GRIP™ Dead-end

This product makes cable splicing simple and utilizes PLP's unique THIMBLE-LOOP design, created specifically for the Arborist industry. This special design prevents the thimble from falling out during installation. PLP's helical gripping concept improves installation time and no special tools are needed. Just wrap the TREE-GRIP Dead-end around the EHS galvanized strand and the splice is complete in under 60 seconds. Product prefabrication maintains a consistent aesthetic appearance.

Safety Wire Dispenser

PLP's dispenser eliminates the struggle handling coils of wire and is an alternative to spinning jenny and pay out dispensers. Paying out strand becomes a single person job and banding and taping of coils is no longer necessary.

PLP's Dead-end products are tested both in the lab and field to maintain a standard of excellence unmatched in the industry.

Visit our website, or contact a representative for additional information for these and other PLP products.

WEDGE-GRIP™ DEAD-ENDS

Patent Pending

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.

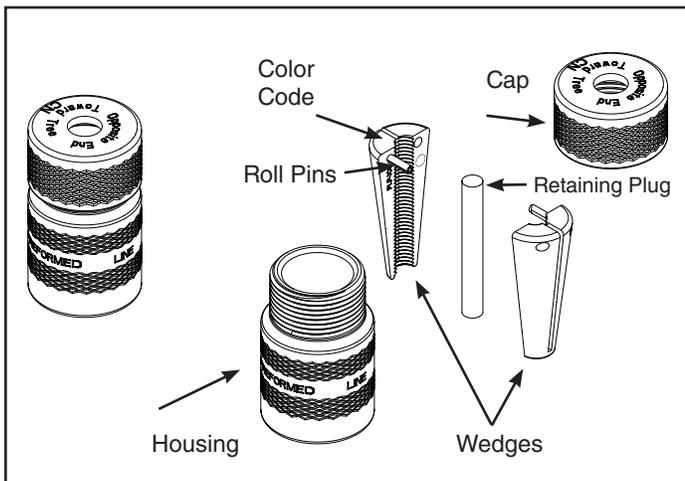


FIGURE 1



Wedge-Grip Dead-ends (Cat. Nos. 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.

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.

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

1.00 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

2.00 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. The through hole must be perpendicular to the branch of the tree.

- 3.00** Twist cap on WEDGE-GRIP™ Dead-end just until wedges are loose and separated enough to insert the cable (Figure 2). Be careful not to twist the cap completely off the housing.

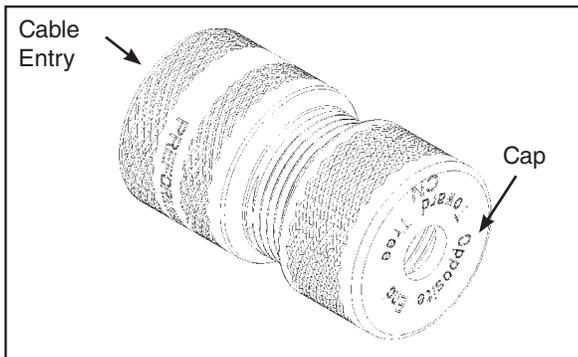


FIGURE 2

- 4.00** 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).

- 5.00** Slide WEDGE-GRIP Dead-end over cable so the retaining plug is pushed through. (Figures 3 and 4). Be sure to face the cap away from the tree. **Note: Cap is marked with text – “Opposite End Toward Tree”**



FIGURE 3



FIGURE 4

- 6.00** Position WEDGE-GRIP Dead-end against the tree and pull on cable to tension as required (Figure 5).
- 6.01** 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.

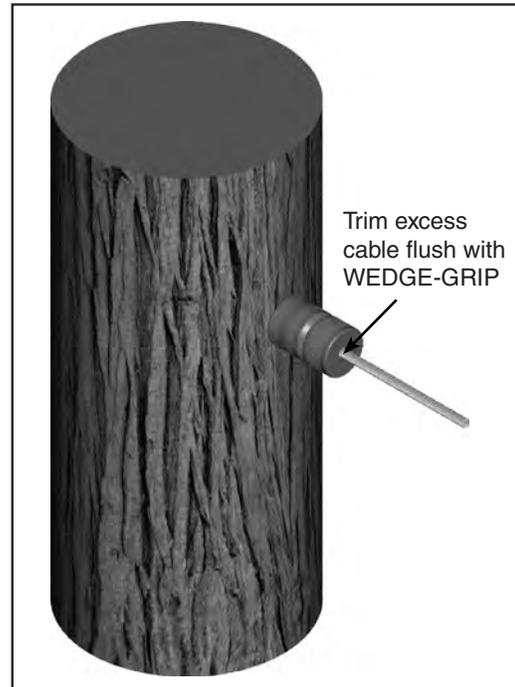


FIGURE 5

- 8.00** Hand tighten cap on WEDGE-GRIP Dead-end and trim excess cable off as required.
- 9.00** In order for the wedges to seat properly, the cable should be taut after installation.

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

Remove cable tension at WEDGE-GRIP 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. WEDGE-GRIP Dead-ends are precision devices. To insure correct assembly, they should be handled carefully and installed as illustrated.
2. WEDGE-GRIP Dead-ends should be stored in cartons under cover – preferably shelf storage – until used.
3. WEDGE-GRIP Dead-ends may be removed and reapplied for the purpose of adjusting cabling installation.
4. WEDGE-GRIP Dead-ends should not be reused after original installation.
5. WEDGE-GRIP Dead-ends should be used only on the size strand for which they are designed. (See table)
6. WEDGE-GRIP Dead-ends should not be used as tools (e.g., come-alongs, pulling-in grips, etc.).
7. 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 PREFORMED™ Safety Guy Wire Dispenser, Catalog No. SGD-0700, is a perfect accessory when carrying and working with extra high strength strand (Figure 5).



FIGURE 6

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.

This product may be removed and reinstalled during the initial installation if it is in good condition. After extended service life, it is recommended the product not be reused once removed from service.

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.

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

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



PREFORMED LINE PRODUCTS

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