

Agriculture & Arborist Products



COMMUNICATIONS



ENERGY



SPECIAL INDUSTRIES



SOLAR



Application Procedures

How to Apply PLP Products:

SP2013 Pulling Eye	SP2948 Guy Markers
SP2033 Strand Splice	SP3062 WEDGE-GRIP™ Dead-end
SP2045 GUY-GRIP® Dead-end	SP3122 RANCHMATE™ Post Dead-end and Smooth Wire
SP2056 TREE-GRIP™ Dead-end	SP3133 3D Post Property Markers
SP2086 Safety Guy-Wire Dispenser	SP3216 Post Wire Stretcher
SP2660-1 Heavy-Duty Thimbles	SP3439 Eye-to-Eye Turnbuckles
SP2701 BRACE-GRIP® Dead-end for EHS Rod	SP3440 Eye-Lag Screw
SP2138 Cross-Tie Connector	SP3441 J-Lag Hooks
SP2166 L-Connector and Reducing L-Connector	SP3442 Eye-Bolts
SP2239 VINE-LINE® Connector	

Application Procedures are available on preformed.com. Easily find products by searching the product name or SP number.

ISO 9001 Certified

Corporate Office/Testing Laboratory & Domestic Manufacturing Locations Certified for 20+ years

- Internal Audit Teams perform continuous audit rotations at all locations to uphold compliance standards.
- Wire inspection/QC process
- Wire Strength – Tensile Test
- Coating Integrity – Twist Test
- Coating Thickness

In-Process Inspections

- Cabling Characteristics
- Pitch Length
- Inner Diameter
- Grit Retention
- Integrity of Color Markings

Other Materials PLP Manufactures with:

- Stainless Steel (Type 302, 430 or 316)
- PLP mischmetal formed wire products are acceptable for use with Bezinal® and Galfan® coated strands (Bezinal is a registered trademark of the Bekaert Company and Galfan is a registered trademark of the Galfan Technology Centre, LLC)
- Aluminum Clad Steel
- Aluminized
- Copperweld® (Copperweld is a registered trademark of the Copperweld Company.)



PREFORMED LINE PRODUCTS

Table of Contents

ARBORIST PRODUCTS

WEDGE-GRIP™ Dead-end	5
TREE-GRIP™ Dead-end	6
Heavy-Duty Thimble with Locking Tab	7
Heavy-Duty Thimbles.....	8
Safety Guy-Wire Dispenser	9

AGRICULTURE PRODUCTS

Dead-ends	12
Wire Rope.....	12
BRACE-GRIP® Dead-end	13
GUY-GRIP® Dead-end	14-15
Connectors	16
Strand Splice	16
L-Connector and Reducing L-Connector	17
Smooth and Barbed Wire Solutions	
VINE-LINE® Connector	18
RANCHMATE® Dead-ends	19

HARDWARE & ACCESSORIES

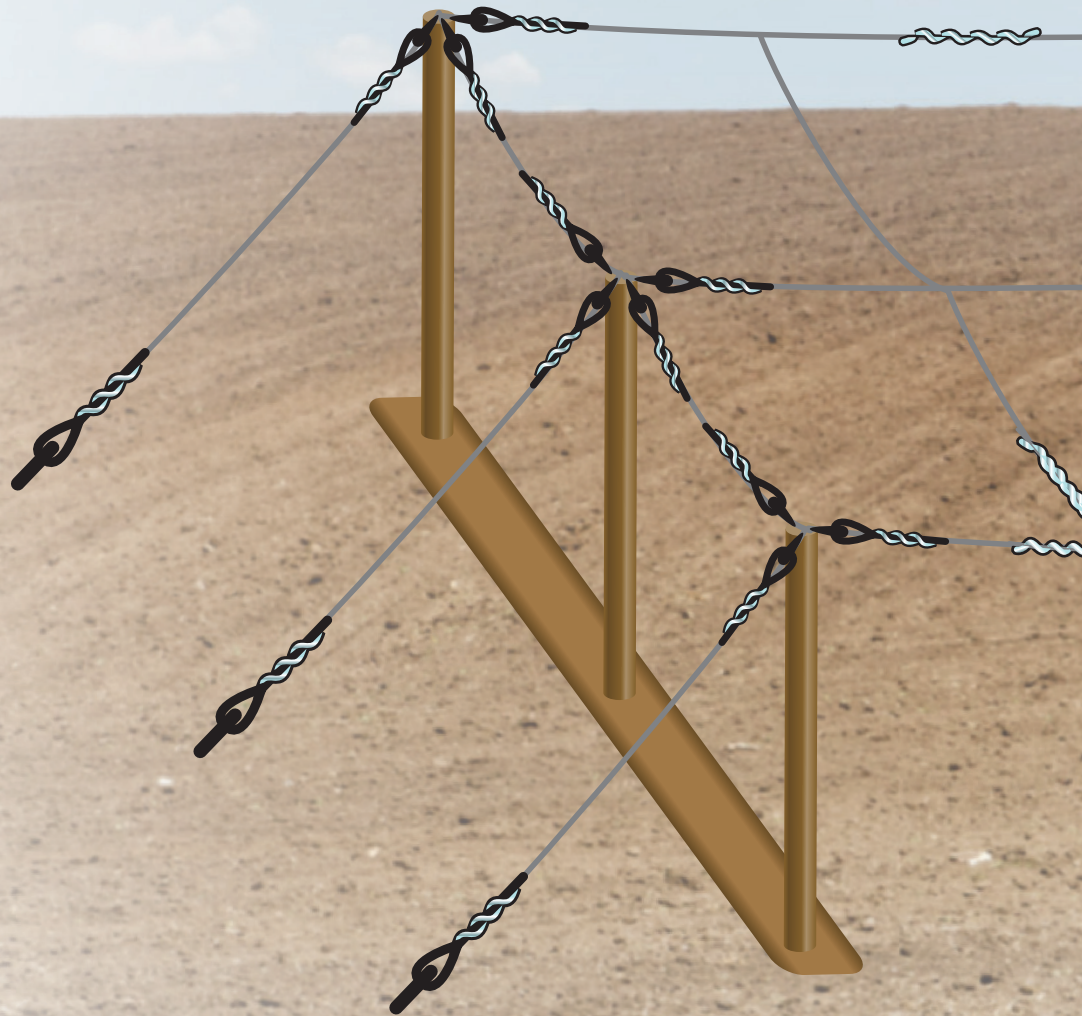
Hardware	21
Eye-to-Eye Turnbuckles	22
Eye-Bolts	22
Eye-Lag Screws.....	23
J-Lag Hooks	23
Tools	24
Pulling Eye.....	24
Fence Clip Tie Bars	25
Post Wire Stretcher.....	25
Markers.....	26
Guy Markers	26
3D Post Property Markers	27

Solar Products	28
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Inspection Services	28
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Lab Testing.....	29
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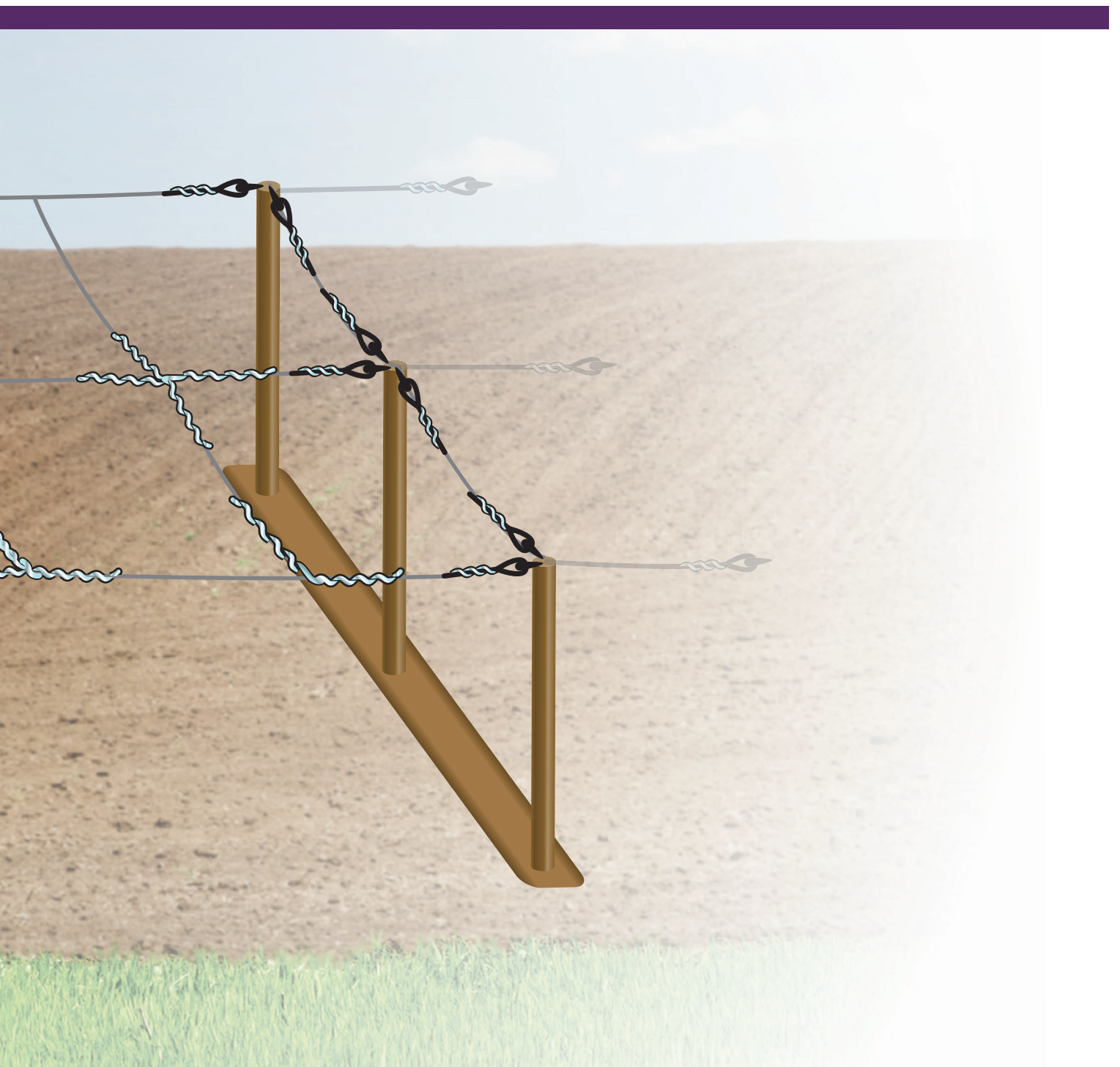
Cabling Support Solutions



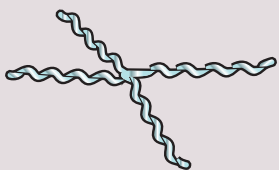
Dead-ends



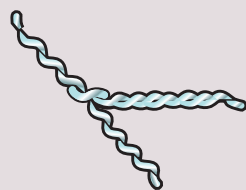
BRACE-GRIP DE | GUY-GRIP® DE | Wire Rope DE



X-Connector



T-Connector



L-Connector



Strand Splice



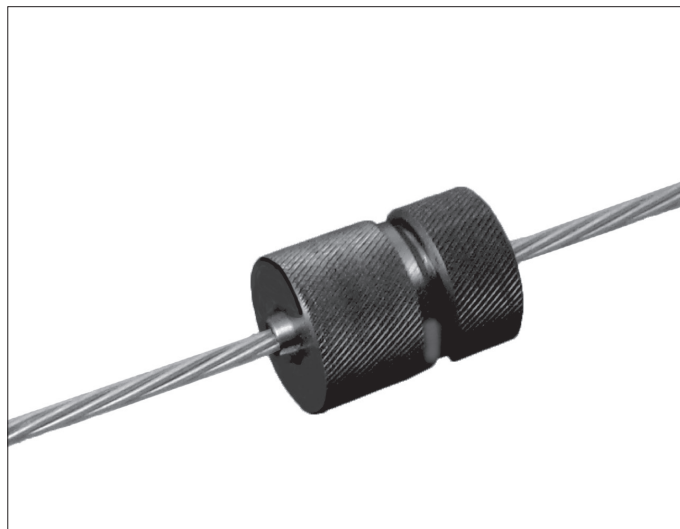


Arborist Products

Our tree care solutions: dead-ends, splices, hardware and tools, are designed and manufactured to improve safety, installation time and profitability on static cabling systems. Since 1947, Preformed Line Products has provided high-quality, long-lasting products.

WEDGE-GRIP™ Dead-end

Tree Cabling Installation Made Simple



WEDGE-GRIP Dead-end			
PLP Catalog Number	Strand Size (in)	EHS RBS	Carton Qty
WG-1250	3/16"	3,990 lbs	10
WG-1251	1/4"	6,650 lbs	10
WG-1252	5/16"	11,200 lbs	10
WG-1253	3/8"	15,400 lbs	10

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 initial tension, the strand is held in place. The WEDGE-GRIP Dead-end eliminates the need to modify the 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 it takes only seconds to apply.

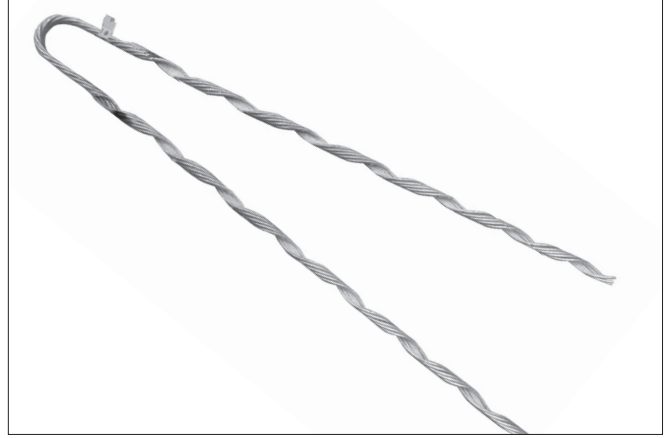
Features

- Simple-to-use – slides over the strand
- Maintains strand integrity – no opening or altering of strand
- Designed to hold 100% of the rated breaking strength of both EHS and common grade strand



TREE-GRIP™ Dead-end

Tree Cabling Installation Made Simple



TREE-GRIP Dead-end			
PLP Catalog Number	Strand Size (mm)	EHS RBS	Carton Qty.
TG-1250	3/16" (4.76 mm)	3,990 lbs	100
TG-1251	1/4" (6.35 mm)	6,650 lbs	100
TG-1252	5/16" (7.94 mm)	11,200 lbs	50
TG-1253	3/8" (9.53 mm)	15,400 lbs	50

TREE-GRIP Dead-ends are designed to eliminate the costly labor and time consuming hassle of cable splicing. The factory-formed helical legs of the TREE-GRIP Dead-ends wrap quickly around left hand lay galvanized strands, eliminating the process of hand splicing common grade galvanized strand. The end result is a labor saving application accomplishable in under 60 seconds.

Features

- Easy and attractive solution for tree cabling projects
- THIMBLE-LOOP design created especially for the Arborist industry, prevents the end thimble from falling out during installation and while in service
- Utilizes PLP's helical concept for gripping strand, providing a constant radial gripping force
- Improves installation time and keeps costs down
- Designed to hold 100% or more of the published rated breaking strength of the EHS strand

Heavy-Duty Thimble with Locking Tab



Heavy-Duty Thimbles for TREE-GRIP™ Dead-ends with Locking Tab are designed specifically to fit the loop of our TREE-GRIP Dead-ends. The locking tab is manually secured during installation to ensure the thimble remains in-place during the lifetime of the product. All thimbles are hot dip galvanized in accordance with ASTM-A153.

Heavy-Duty Thimble with Locking Tab		
PLP Catalog Number	Strand Size (mm)	Carton Qty.
GTC-9039	3/16" - 1/4" (4.76 mm- 6.35 mm)	100
GTC-9040	5/16" (7.94 mm)	50
GTC-9041	3/8" (9.53 mm)	50

Features

- Designed specifically for PLP® Dead-ends
- Features a locking tab - keeps the thimble in place during installation and throughout its service life
- Made of high-quality galvanized steel
- Complies with ASTM-A153



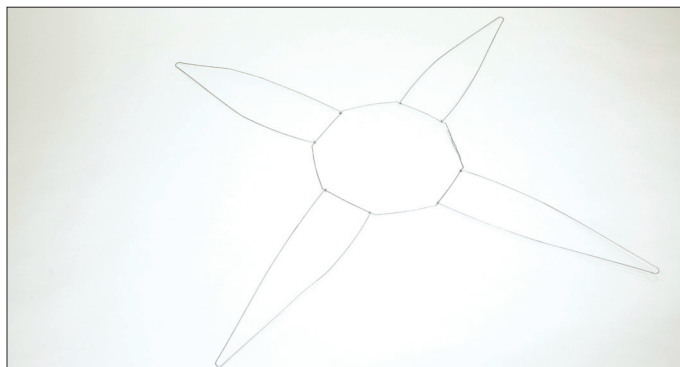
Heavy-Duty Thimbles



Heavy-Duty Thimbles are designed to loop specifications of PLP dead-ends and are intended for use with these products to ensure long service life. Thimbles are hot-dip galvanized to protect from corrosion in accordance with ASTM-A153. Each thimble is rated to perform at rated breaking strength of the corresponding size strand.

Heavy-Duty Thimbles					
PLP Catalog Number	Description	Size	Weight (lbs)	Product Material	Carton Qty.
GST-9036	Heavy-Duty Thimble	3/16" and 1/4"	0.054	Galvanized Steel	100
GST-9037		5/16"	0.099		50
GST-9038		3/8"	0.179		50

Safety Guy-Wire Dispenser



The **Safety Guy-Wire Dispenser** is designed to provide a functional and safe way of paying-out strand. It provides an economical means of reducing hazards related to uncoiling strand. The Safety Guy-Wire Dispenser eliminates runaway coils and simplifies the banding or taping of coils.

Safety Guy-Wire Dispenser		
PLP Catalog Number	Strand Carton Qty.	Typical Coil Size (mm)
SGD-0700	50	500' 7/16" (152.4 M) (11.1 mm) 250' 1/2" (76.2 M) (12.7 mm)
SGD-0701	25	500' 1/2" (152.4 M) (12.7 mm)

Features

- Simplifies inventory maintenance and wire storage issues
- Eliminates the struggle to handle coils of strand
- Lightens the load in the construction truck
- Saves time – no more banding or taping of coils
- Paying-out the strand becomes a one person job





Agriculture Products

Our dead-ends, splices and connectors are ideal solutions for vineyards, hop trellising, crop training, shade structures, and other agriculture structures. These products allow for the connection and termination of steel strand and wire rope for all cabling applications while providing the long-lasting quality, strength, reliability, and durability these projects demand.

Wire Rope Dead-end



Wire Rope Dead-ends are designed for use in agricultural construction of galvanized steel wire rope and EHS strand. Ideal for guying to ground anchors or spanning pole-to-pole, the dead-end loop is manufactured to fit all appropriate hardware.



Features

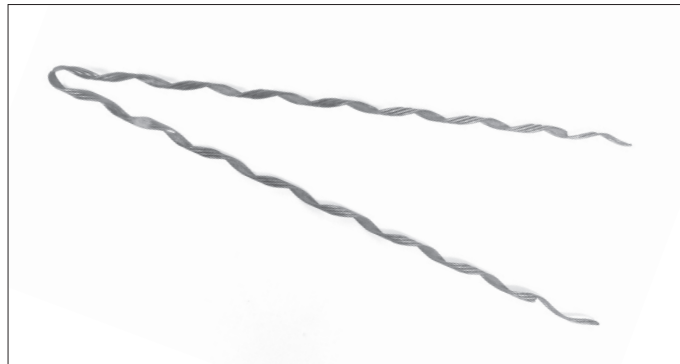
- Provides 100% rated breaking strength of galvanized steel wire rope and EHS strand
- Easily applied - no tools required
- Ideal for down guying and post-to-post support
- Adds strength and rigidity to trellising systems

Wire Rope Dead-end					
PLP Catalog Number	Wire Rope Size (mm)	Applied Length (mm)	Color Code	Rated Holding Strength (lbs)	Carton Qty.
WRDE-2202	3/16" (4.76)	23" (584)	Red	6,417	50
WRDE-2204	1/4" (6.35)	26" (660)	Yellow	7,700	50
WRDE-2205	5/16" (7.9)	32" (812)	Black	11,200	50
WRDE-2206	3/8" (9.5)	38" (965)	Orange	15,700	25

BRACE-GRIP® Dead-end



BRACE-GRIP Dead-ends are designed for use on galvanized steel strand and rated for 100% of the rated breaking strength. The specially designed loop eliminates the need for the use of a thimble and fits all standard hardware. Ideal for pole-to-pole support, BRACE-GRIP Dead-ends can also be used for down guying to an eye anchor.



Features

- Provides 100% rated breaking strength of galvanized steel strand
- Easily applied – no tools required
- Specially designed loop to accommodate standard anchors and hardware – No thimble required
- Ideal for down guying and post-to-post support

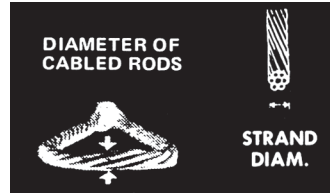
BRACE-GRIP Dead-end

BRACE-GRIP Dead-End Catalog Number	Strand Size In (mm)	Brace-Eye Catalog Number	Recommended Eye-Bolt Size In (mm)	Rated Breaking Strength (lbs.) of EHS Strand	Carton Qty.
BRG-2580	1/4" (6.3)	00060110	1/2" (12.7)	6,650	50
BRG-2582	5/16" (7.9)	00060110	5/8" (12.7)	11,200	50
BRG-2583	3/8" (9.5)	00060110	3/4" (12.7)	15,400	50

GUY-GRIP® Dead-end

Hardware Considerations

CABLED LOOP: Anchor eyes and other fittings need groove diameters only slightly larger than the strand because the diameter of the cabled rods of GUY-GRIP Dead-ends approximates strand diameter. Cabled loops are designed for a variety of fittings with dimensions shown in the table below.



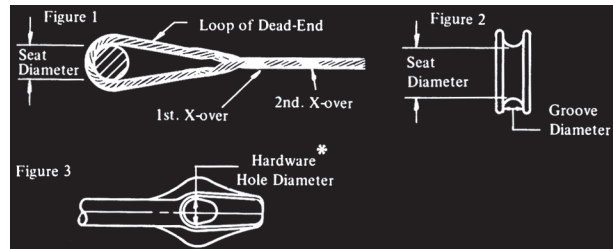
Suggested hardware dimensions for cabled-loop GUY-GRIP Dead-ends

DEAD-END DIAMETER RANGE (INCHES)		NOMINAL STRAND SIZES		SEAT DIMENSIONS (figures 1 & 2) (in.)			MINIMUM GROOVE DIAMETER (in.) (fig. 2)	MINIMUM HOLE DIAMETER* (in.) (fig. 3)
Min.	Max.	GALVANIZED STEEL	ALUMINUM-CLAD STEEL	Min. seat diameter with dead-end at first cross-over mark.	Max. seat diameter with dead-end at first cross over mark.	Max. seat diameter with dead-end at second cross-over mark.		
.123	.143	1/8	—	3/4	1-3/4	—	3/16	1/4
.144	.173	5/32	—	3/4	1-3/4	2-1/2	1/4	5/16
.174	.203	3/16	—	1-0	1-3/4	2-1/2	1/4	3/8
.204	.230	7/32	3 #10, 4M3	1-1/8	1-3/4	2-1/2	5/16	3/8
.231	.259	1/4	7 #12, 6M	1-1/8	1-3/4	2-1/2	5/16	7/16
.260	.291	9/32	7 #11, 8M	1-1/8	1-3/4	2-1/2	3/8	1/2
.292	.336	5/16	7 #10, 10M	1-1/4	1-3/4	2-1/2	3/8	9/16
.337	.394	3/8	7 #8, 14M, 16M	1-3/8	1-3/4	2-1/2	7/16	5/8
.395	.474	7/16	7 #7, 18M, 20M	1-3/8	2-3/8	2-1/2	1/2	11/16
.475	.515	**	7 #6	1-3/8	2-3/8	—	9/16	3/4
.516	.570	**	7 #5, 25M	1-1/2	2-5/8	—	5/8	15/16

* Depending on geometric shape of the hole, a hole diameter less than specified may be acceptable.

** Use Big-Grip Dead-ends.

Guying of transmission structures and metal towers require Big-Grip Dead-ends, VARI-GRIP™ Dead-ends.



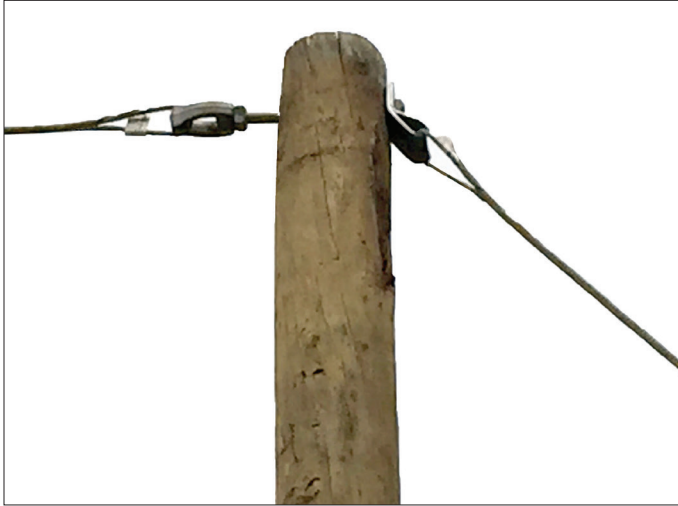
ACCEPTABLE FITTINGS			
<p>ANCHOR RODS</p>	<p>THIMBLE EYE-BOLTS, EYENUTS & EYES</p>	<p>POLE FITTINGS</p>	<p>GUY-STRAIN INSULATORS</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>ANSI</p> <p>54-1</p> <p>54-2</p> <p>54-3</p> <p>54-4</p> </div>



CAUTION: Hardware of this type is not normally acceptable because fatigue life of GUY-GRIP Dead-ends could be substantially reduced.

Heavy-Duty-Type Cable Thimbles, if used, can collapse when guy tensions are high. If thimbles are used in the loop of the GUY-GRIP Dead-end, a large pin is recommended to fill the loop of the thimble to prevent distortion. The collapsing strength of the thimble and the proper pin size should be obtained from the thimble manufacturer.

GUY-GRIP® Dead-end



GUY-GRIP Dead-ends are intended for use on single wood poles associated with guying to a ground anchor or pole-to-pole support. GUY-GRIP Dead-ends are designed to accommodate all related hardware but can only be used on galvanized steel strand.

Features

- Rated at 100% of the strand's published rated breaking strength
- Made of the same material it is being applied to
- Easily applied – no tools required
- Intended for single use but can be reinstalled twice within 90 days

B-coat							
Catalog Number	Strand		Mean Diameter (Inches)	Unit	Wt./Lbs.	Length (Inches)	Color Code
	Size (inches)	Construction		Per Carton			
GDE-1102	3/16	7W 7W	.186 .195	100	30	20	Red
GDE-1104	1/4	3W 7W	.259 .240	50	24	25	Yellow
GDE-1106	5/16	3W 7W 7W	.312 .312 .327	50	39	31	Black
GDE-1107	3/8	3W 7W	.356 .360	50	51	35	Orange

Strand Splice



Strand Splices are intended for use on galvanized steel strand, to join two pieces together, providing 100% tensile strength performance.

Features

- Rated for 100% of the strand's published rated breaking strength unless otherwise noted.
- Made of material to match the strand properties

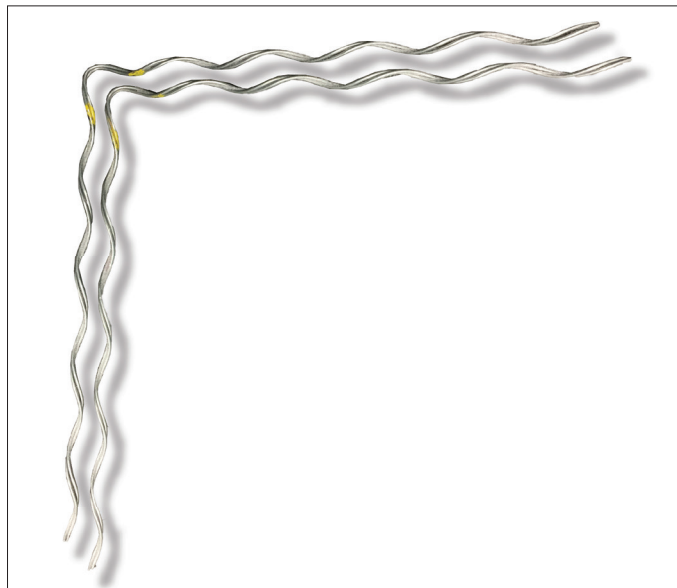
For use on:

Extra High Strength, High Strength, Siemens Martin, Utilities Grade²

Catalog Number	Strand			Per Carton		Length (In.)	No. of Subsets	Rod Diameter (In.)	Color Code
	Size (in.)	Construction	Actual Diameter (In.)	Units	Wt./ lbs				
GLS-2102	3/16	7W 7W	.195 .186	100	30	27	2	.070	Red
GLS-2103	7/32	7W	.216	100	36	29	2	.070	Green
GLS-2104	1/4	3W 7W	.259 .240	50	34	35	2	.086	Yellow
GLS-2105	9/32	7W	.279	50	36	38	2	.086	Blue
GLS-2106	5/16	3W 7W	.312 .327	50	46	42	3	.086	Black
GLS-2107	3/8	3W 7W	.356 .360	25	38	50	3	.100	Orange
GLS-2108	7/16	7W	.435	25	58	56	3	.119	Green
GLS-2109	1/2	7W 19W	.495 .500	10	36	63	3	.138	Blue
GLS-2110	9/16	7W 19W	.564 .565	10	52	70	4	.159	Yellow

² Rated Holding Strengths are 100% of the published rating for the strand.

L-Connector and Reducing L-Connector



L-Connector and Reducing L-Connector

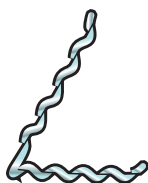
The **L-Connector** and **Reducing L-Connector** provide the ability to join vertical and horizontal wire trellis intersections on both the top and bottom, using two connectors.

L-Connector			
PLP Catalog Number	Wire Rope Size (mm)	Applied Length (mm)	Carton Qty.
SLC-5001	1/4" (6.3 mm)	12"	50
SLC-5002	5/16" (7.9 mm)	15"	50
SLC-5003	3/8" (9.5 mm)	17"	50
Reducing L-Connector			
RLC-5100	3/8" - 5/16" (9.5 - 7.9 mm)	17"	50
RLC-5101	5/16" - 1/4" (7.9 - 6.3 mm)	17"	50

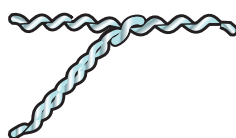
Features

- Strengthens and supports wire vegetable and flower trellises
- Unique design – connector wraps around vertical and horizontal wire trellis intersections
- Quick, easy installation – no special tools needed
- Made of high-strength, long-lasting galvanized steel
- **Reducing L-Connector** provides the same strength and support of the standard L-Connector
- **Reducing L-Connector** allows two different diameter strands to be tethered together

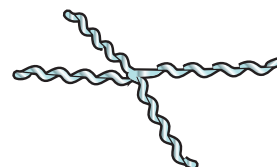
Connector Configuration



L Style



T Style



X Style



VINE-LINE® Connector



VINE-LINE® Connectors can be used to anchor dead-end stake props and dead-man anchors in any trellising system. With two VINE-LINE Connectors, cut trellis wire can be spliced. Trellised crops produce higher yields and the low cost, long-life, field-proven VINE-LINE Connector is essential in keeping trellising costs low.

Features

- Aids in trellising, which produces higher crop yields
- Versatile connectors can be used to anchor dead-end stake props and dead-end anchors in any trellising system
- Splices trellis wire
- Quick, easy installation – no tools needed
- Designed to develop the published rated breaking strength of high and low-carbon wire
- Field tested using mechanical harvesting equipment

VINE-LINE® Connector				
PLP Catalog Number	Wire		Color Code	Carton Qty.
	Gauge	Diameter (in)		
2602-100	15	.072	Red	500
2602-101	14	.080	Blue	500
2602-102	13, 12.5	.091, .100	Green	500
2602-103	12	.1055	Black	500
2602-104	11	.1205	Green	500
2601-105	10	.1305	Orange	250
2601-106	9	.1483	Red	250
2601-107	8	.1620	Blue	250

Dead-ends



When building, extending, or fixing wire fencing or trellising systems, **Ranchmate® TwistEnds** are easy-to-use solutions for connecting smooth wire to wood posts. Additionally, TwistEnds are ideal for barbed wire fencing construction and repair.

Outperforming traditional post systems, preformed TwistEnds cut installation time in half and reduce costs. Sturdy and durable, TwistEnds stay in place making for strong, secure terminations.

Features

Large TwistEnds

- Designed for 4" – 8" posts
- Manufactured from galvanized steel (Class 3 and above)
- All TwistEnds are conductive
- 3 sizes available to fit common smooth and barbed wire diameters

Small TwistEnds

- Manufactured from galvanized steel (Class 3 and above)
- All TwistEnds are conductive
- 3 sizes available to fit common smooth and barbed wire diameters

Large TwistEnds					
PLP Catalog Number	Wire Gauge		Gauge Code	Length	Carton Qty.
	Smooth	Barbed			
LTE-125D	–	12.5	Yellow	25"	50
LTE-14-9D	9	14	Green	26"	50
LTE-155-10D	10	15.5	Black	24"	50
LTE-18-125D	12.5	18	Blue	20"	50
Small TwistEnds					
STE-125D	–	12.5	Yellow	20"	50
STE-14-9D	9	14	Green	18"	50
STE-155-10D	10	15.5	Black	14"	50
STE-18-125D	12.5	18	Blue	13"	50

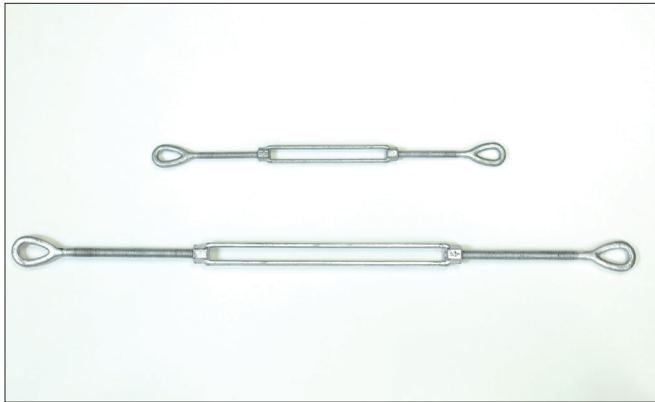




Hardware, Tools, and Markers

Made-in-America hardware that's designed to be installed in minutes. There are a variety of tree care cabling and bracing solutions that will fit the needs of any certified arborist.

Eye-to-Eye Turnbuckles



Eye-to-Eye Turnbuckles are made of drop forged, hot-dip galvanized steel for use in various cabling and guying applications, when applying and adjusting tension is required. PLP's Eye-to-Eye Turnbuckles have elongated eyes on each end to reduce stress on the eye and provide easy connections with other hardware.

Eye-to-Eye Turnbuckles						
PLP Catalog Number	Description	Weight (lbs)	Overall Length (in)		Working Load Limit (lbs)	Carton Qty.
			Open	Closed		
TEE-9057	Eye-to-Eye Turnbuckle 3/8" x 6"	0.75	18"	12"	1200	50
TEE-9058	Eye-to-Eye Turnbuckle 1/2" x 6"	1.60	20"	14"	2200	25
TEE-9059	Eye-to-Eye Turnbuckle 1/2" x 9"	1.83	26"	17"	2200	20
TEE-9060	Eye-to-Eye Turnbuckle 1/2" x 12"	2.08	32"	20"	2200	20

Eye-Bolts



Eye-Bolts are made of drop forged steel and are machine threaded and heat treated after forging. They are designed for larger diameter wood where through bolting is desired.

Eye-Bolts				
PLP Catalog Number	Description	Weight (lbs)	Working Load Limit (lbs)	Carton Qty.
EBN-9061	Eye-Bolt with Nut - 3/8" x 4-1/2"	0.29	1500	75
EBN-9062	Eye-Bolt with Nut - 3/8" x 6"	0.35	1500	50
EBN-9063	Eye-Bolt with Nut - 1/2" x 6"	0.66	2600	70
EBN-9064	Eye-Bolt with Nut - 1/2" x 8"	0.82	2600	40
EBN-9065	Eye-Bolt with Nut - 1/2" x 12"	1.14	2600	40
EBN-9066	Eye-Bolt with Nut - 1/2" x 18"	1.30	2600	25
EBN-9067	Eye-Bolt with Nut - 5/8" x 8"	1.35	5200	30
EBN-9068	Eye-Bolt with Nut - 5/8" x 12"	1.67	5200	25
EBN-9070	Eye-Bolt with Nut - 5/8" x 18"	2.05	5200	25

Eye-Lag Screw



Forged **Eye-Lag Screws** with shoulder are hot-dip galvanized and have a lag screw thread for use in light to medium duty wood applications. They can be used for angular loads. **Not for use as life support.**

Eye-Lag Screw						
PLP Catalog Number	Description	Weight (lbs)	Overall Length (in)		Working Load Limit (lbs)	Carton Qty.
			Overall	Shank		
ELS-9055	Eye-Lag Screw 1/2" x 3-1/4"	0.38	5-1/8"	3-1/4"	11,000	75
ELS-9056	Eye-Lag Screw 5/8" x 4"	0.68	6-1/2"	4"	17,500	50

J-Lag Hooks



J-Lag Hooks are hot-dip galvanized and machine threaded. Various sizes allow hooks to be used in any situation when cabling. Hooks are manufactured with right and left-hand threading for tensioning.

J-Lag Hooks					
PLP Catalog Number	Description	Weight (lbs)	Working Load Limit (lbs)	Carton Qty.	
JLH-9047	J-Lag Hook - 1/4" x 4" RH Thread			100	
JLH-9048	J-Lag Hook - 1/4" x 4" LH Thread			100	
JLH-9049	J-Lag Hook - 3/8" x 4-1/2" RH Thread			100	
JLH-9050	J-Lag Hook - 3/8" x 4-1/2" LH Thread	Please contact PLP for information.		100	
JLH-9051	J-Lag Hook - 1/2" x 6" RH Thread			100	
JLH-9052	J-Lag Hook - 1/2" x 6" LH Thread			100	
JLH-9053	J-Lag Hook - 5/8" x 6" RH Thread			100	
JLH-9054	J-Lag Hook - 5/8" x 6" LH Thread			100	

Pulling Eye



The **Pulling Eye** is designed to provide a functional and safe way of tensioning down guys at the anchor location. It provides a working load of 3,000 lbs with a 5:1 ratio safety factor (Ultimate strength of 15,000 lbs).

Pulling Eye		
PLP Catalog Number	Description	Carton Qty.
PE-0300	Pulling Eye	4 units



Features

- Facilitates installation of dead-end at anchor location
- Nodular iron housing and keeper with EHS steel bolt and nut
- Powder-coated for corrosion resistance
- Lightweight and reusable
- Designed to ease the down guying process

Fence Clip Tie Bars



Building, extending, or repairing a fence is easy with a handy Ranchmate® Fence Clip Tie Bar.

This 2-in-1 tool attaches wire fencing to a post with a tie-wire clip on one end and is a flathead screwdriver on the other.

Fence Clip Tie Bar			
PLP Catalog Number	Weight (lbs)	Overall Length (in)	Case Qty.
TB4	0.136	4	24
TB6	0.248	6	24



Features

- Made of sturdy, long-lasting nickel-plated steel
- Available in 2 sizes

Post Wire Stretcher



Building, extending, or repairing a fence is easy with the heavy-duty Ranchmate® Post Wire Stretcher for high-tensile steel wire.

Durable and made to last, this multi-use tool frees up your hands to make installing wire fencing an easy, one-person operation. A crow's foot makes pulling staples easy, and a convenient box end wrench in the handle can hold a wire strainer (strainer not included).



Features

- Made of tough orange powder-coated steel
- Product Details: Height: 27", Width: 2", Depth: 1/5"

Post Wire Stretcher		
PLP Catalog Number	Description	Case Qty.
PWS	Post Wire Stretcher	6

Guy Markers



Guy Markers are made in the USA of UV stabilized polyethylene material. All Guy Markers are 1-1/4" diameter, round, 8 feet long, and are available with choice of attachments; LOOP LOCK® Pin, Universal Cable Tie or a tube with no attachment device.

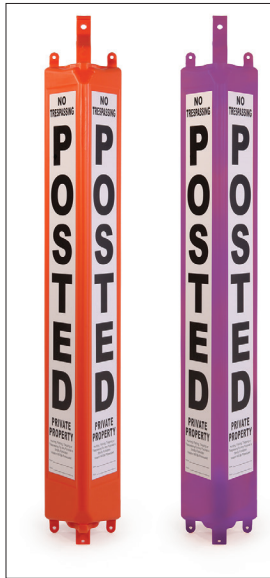
Attachment Devices	
UCT	Universal Cable Tie
LLP	LOOP LOCK® Pin

Features

- Lightweight one piece designs
- Easily installed on strand sizes 3/16" – 1/2" (4.7 – 12.7 mm)
- Installs on down guys in seconds
- Ships in boxes, bags, or bulk on pallets

Guy Markers				
PLP Catalog Number	Color	Attachment Type	Carton Information	
			Units	Wt/Lbs
PG-5414	Yellow	LLP	25	32
PG-5411	Gray	LLP	25	32
PGMS4988	Yellow	None	30	38
PGMS3830	Orange	None	30	38
PGMS9838	Yellow	UCT	30	39

3D Post™ Property Markers



3D Post POSTED No Trespassing Sign



3D Post NO HUNTING Sign

No trespassing on your land? No hunting on your land? No problem. Protect your property from every angle with a Patented **3D Post** sign.

Typical two-dimensional signs tear off in strong winds and are not visible from all sides. But 3D Post signs are durable and can be easily read from 360 degrees! Sturdy and strong, 3D Post signs are easy to install in minutes and are made to last.

Features

- Property marker won't bend, tear off, or blow away
- Solid construction withstands sunlight, summer heat, and winter cold
- Bright colors and bold wording won't fade
- Purple and orange options available
- Product Details: Height: 27.5", Weight 14.6 oz

3D Post POSTED Property Markers				
PLP Catalog Number	Color	Attachment Type	Carton Information	
			Units	Wt/Lbs
3DP	Yellow	LLP	12	32
3DP-P	Gray	LLP	12	32
3DP-NH	Yellow	None	12	38

Solar Products

Alternative Energy – PV Solar Mounting Hardware

PLP is a major manufacturer of PV Solar mounting hardware systems, providing innovative solutions for any solar application including commercial, industrial, government, utility scale and residential applications.

Professional installers rely on PLP's product line of superior strength and easy-to-install mounting systems and enclosures.

PLP delivers added value to its customers through technical expertise and unparalleled customer support. Our solar industry experience and lean manufacturing capabilities allow PLP to respond to our customers' needs quickly and with precision.



Multi-Pole Mounts-G2

Inspection and Engineering Services

Safe and Efficient Asset Management Solutions

Preformed Line Products has the expertise and technology to provide an extensive suite of inspection and assessment services.

- Comprehensive Visual Inspection
- Storm Assessments
- Site Surveys
- Georeferenced and Catalogued Imagery
- 3D Modeling and Measurements
- Thermal Imaging Analysis
- GIS-Mapped Results
- Engineering Reports



Lab Testing

In our world class testing lab, Preformed Line Products designs products to last decades in the field, withstanding mechanical load, vibration fatigue, thermal and electrical stresses, ultraviolet exposure and corrosion. Our world class test facility ensures we provide the most innovative products that customers can rely on long-term.

Testing includes:

- Tensile
- Vibration
- Fiber Optic
- Environmental
 - Temperature
 - High Voltage
 - Ultraviolet
 - Salt and Fog



High Voltage Testing



Tensile Testing



Salt and Fog Testing



Vibration Testing



Free Fall Testing



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