PRODUCT CATALOG

GUYING SOLUTIONS

Dead-Ends | Guy Strain Insulators | Strand Repair | Guy Markers | Tools & Accessories

ABOUT PLP

PLP protects the world's most critical connections by creating stronger and more reliable networks. Our precision-engineered solutions are trusted by energy and communications providers worldwide to perform better and last longer. With offices and manufacturing facilities in over 20 countries, PLP works as a united global corporation, delivering high-quality products and unparalleled service to customers around the world.

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CONTENTS

GUYING SOLUTIONS

GUY-GRIP® DEAD-END

GUY-GRIP Dead-Ends provide a highly effective solution for terminating guy strands at the pole top, strain insulators, and anchor points.This one-piece, preformed dead-end is clean in appearance and eliminates the need for bolts or hardware that can create stress concentrations on the strand. Featuring a durable cabled loop, the GUY-GRIP Dead-End simplifies tensioning and adapts easily to various guying configurations. Designed specifically for use on single wood poles, it is ideal for distribution line construction.

FEATURES AND BENEFITS

- For use on single wood poles associated with distribution construction
- Manufactured from materials that match the guy strand to prevent corrosion and ensure proper strength performance
- Accommodates attachment fittings with a broad range of seat diameters
- Installs without tools for fast, efficient application
- Can be reapplied twice within the 90 days of the initial installation for retensioning
- Offset legs assist with leg identification and simplify both installation and removal
- Designed to allow strand tails to be either buried within the dead-end or passed through the loop for grounding applications

DESIGN CONSIDERATIONS

Description	Details
Material Selection	GUY-GRIP Dead-Ends are made of the same basic material as the strand to which they are applied. This pertains to galvanized steel, mischmetal alloy (AL/ZN), copper clad steel, aluminum clad steel, stainless steel Type 302, and stainless steel Type 316. Any of these materials can be selected from the catalog tables. The recommended types of strand are also indicated.
Application and Safety Considerations	GUY-GRIP Dead-Ends are intended for use on single wood poles associated with distribution construction. **They were not designed or tested for use on overhead shield wires and not intended for that application.** Refer to the Big-Grip Dead-End section as an alternate product recommended for transmission, or tower and antenna guying applications. 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 only be used when guying lengths are less than 90 feet. See Big-Grip Dead-Ends for guying lengths longer than 90 feet. Within the first 90 days after initial application, GUY-GRIP Dead-Ends may be removed and reapplied two times for the purpose of retensioning the guy. After 90 days a new dead-end should be used any time removal is required. 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 about the axis of the strand. **They should not be used as tools; that is, come-alongs, pulling-in grips, etc.** Refer to the Installation Tools section for the PLP Pulling Eye, designed to assist application at the anchor.
Strand Tail	For appearance and safety, the strand tail should be cut as close as convenient to the crossover mark and buried inside the crossover mark if possible. If desired, the strand tail can, instead, extend through the loop for grounding purposes. Any tail that extends through the loop should be restrained and not permitted to rotate during loading of the guy.
Mechanical Strength	GUY-GRIP Dead-Ends are rated at 100% of the strand's rated breaking strength unless otherwise specified.
Tapping	GUY-GRIP Dead-Ends are mechanical devices **NOT** designed as current transfer connectors. Consequently, tapping is not recommended over or through the GUY-GRIP Dead-End.
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 the strand diameter. Cabled loops are designed for a variety of fittings with dimensions shown in the table under Attachment Hardware on the following page.

Additional Resources

For additional information regarding the use and installation of GUY-GRIP Dead-Ends, scan or click the QR code listed below.

GUY-GRIP Dead-End
Webpage

ATTACHMENT HARDWARE

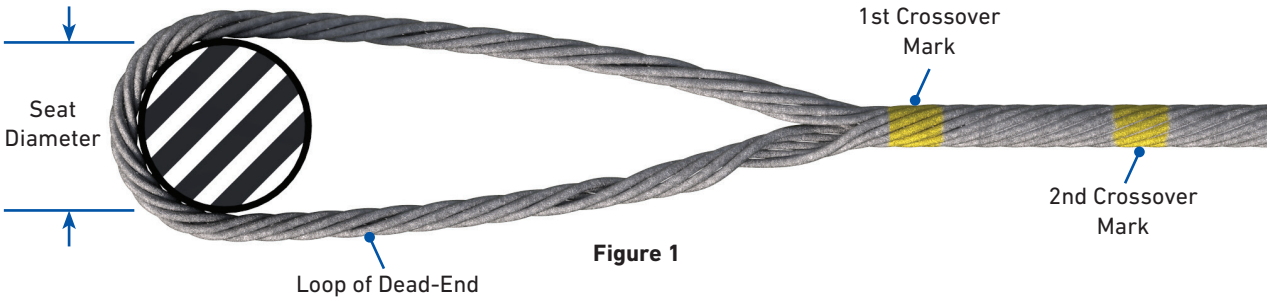


Figure 1

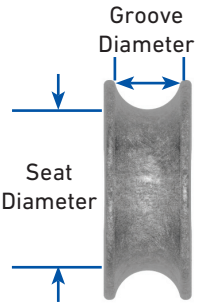


Figure 2

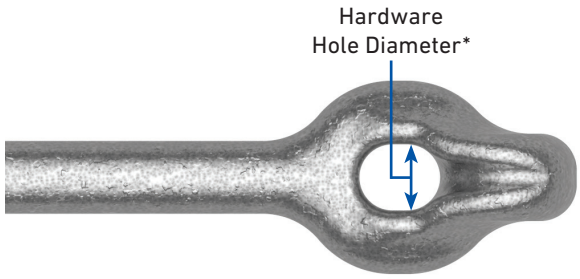


Figure 3

Suggested Hardware Dimensions for Cabled-Loop GUY-GRIP Dead-Ends

Nominal Strand Size		Dead-End Diameter Range		Seat Dimensions (Figures 1 & 2)			Minimum Groove Diameter (Figure 2)	Minimum Hole Diameter* (Figure 3)
in		in		in				
Galvanized Steel	Aluminum-Clad Steel	Minimum	Maximum	Minimum Seat Diameter at 1st Cross-Over Mark	Maximum Seat Diameter at 1st Cross-Over Mark	Maximum Seat Diameter at 2nd Cross-Over Mark	in	in
1/8	–	0.123	0.143	3/4	1-3/4	–	3/16	1/4
5/32	–	0.144	0.173	3/4	1-3/4	2-1/2	1/4	5/16
3/16	–	0.174	0.203	1	1-3/4	2-1/2	1/4	3/8
7/32	3 #10, 4M3	0.204	0.230	1-1/8	1-3/4	2-1/2	5/16	3/8
1/4	7 #12, 6M	0.231	0.259	1-1/8	1-3/4	2-1/2	5/16	7/16
9/32	7 #11, 8M	0.260	0.291	1-1/8	1-3/4	2-1/2	3/8	1/2
5/16	7 #10, 10M	0.292	0.336	1-1/4	1-3/4	2-1/2	3/8	9/16
3/8	7 #8, 14M, 16M	0.337	0.394	1-3/8	1-3/4	2-1/2	7/16	5/8
7/16	7 #7, 18M, 20M	0.395	0.474	1-3/8	2-3/8	–	1/2	11/16
1/2	7 #6	0.475	0.515	1-3/8	2-3/8	–	9/16	3/4
**	7 #5, 25M	0.516	0.570	1-1/2	2-5/8	–	5/8	15/16

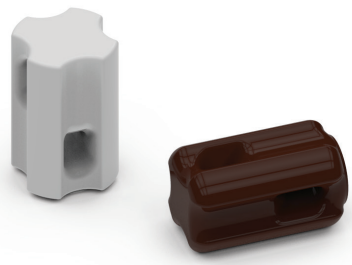
* Depending on geometric shape of the hole, a hole diameter less than specified may be acceptable.
** Use Big-Grip Dead-Ends.

NOTES:

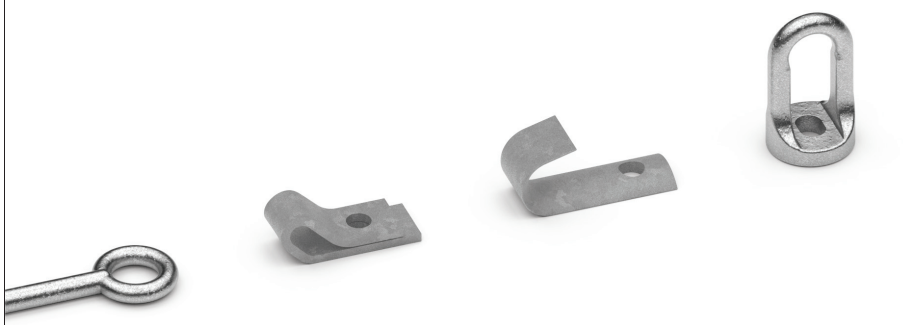
[1] Guying of transmission structures and metal towers require Big-Grip Dead-Ends or VARI-GRIP™ Dead-Ends.
[2] Guying lengths of greater than 90 feet require Big-Grip Dead-Ends or VARI-GRIP Dead-Ends.

ATTACHMENT HARDWARE CONTINUED

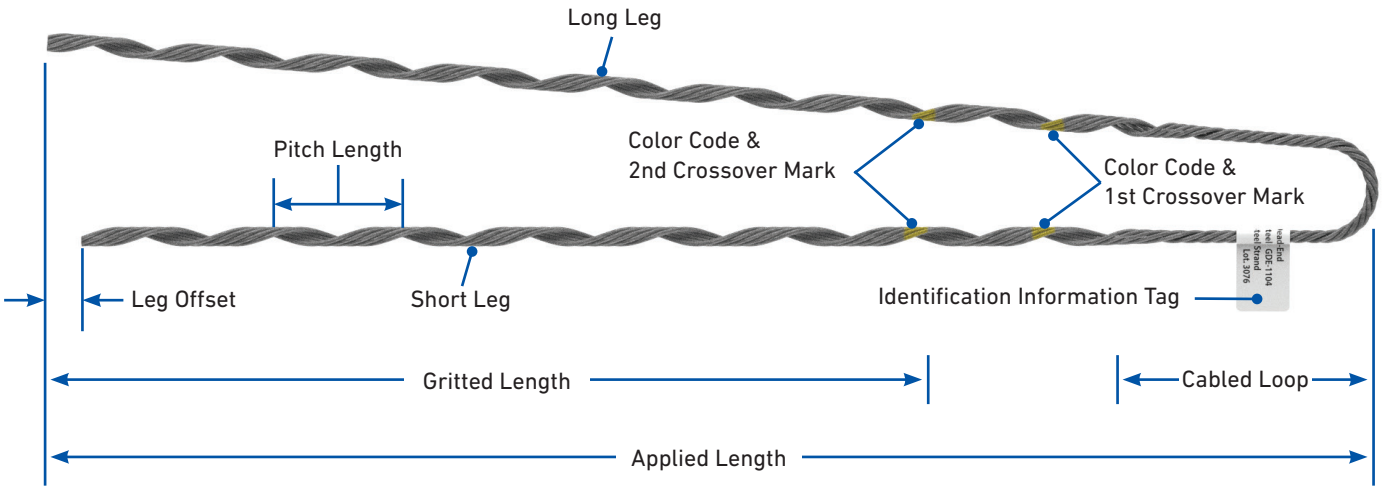
Acceptable Hardware

Thimble Eye Bolts or Rods	Thimble Eye Nut & Thimble Eye
	
Pole and Fiberglass Guy Strain Insulators (ANSI C29.14b-2021)	**Porcelain Guy Strain Insulators (ANSI 54-1, 54-2, 54-3, or 54-4)**
	

⚠ WARNING - Hardware Not Acceptable for Use with GUY-GRIP Dead-Ends

WARNING	CAUTION
Hardware of this type is not acceptable because fatigue life of GUY-GRIP Dead-Ends could be substantially reduced.	See the note below if considering using a thimble with attachment hardware.
	
	NOTE: 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.

SPECIFICATIONS



GUY-GRIP Dead-End

Feature	Description
Identification Information Tag	Shows catalog number and pertinent dead-end information. Printed on a flag.
Color Code	Identifies strand size for colors corresponding to tabular information on catalog pages.
1st Crossover Mark	Indicates starting point for application on smaller diameter fittings described in the table under Attachment Hardware
2nd Crossover Mark	Indicates starting point for application on larger diameter fittings described in the table under Attachment Hardware
Short Leg and Long Leg	Identifies rods belonging to each leg after application. During application, the short leg should be applied first.
Pitch Length	One complete wrap of a leg
Gritted Length	Gritted helical legs retain the strand in place
Cabled Loop	Furnished as standard for all sizes. Allows the dead-end to form properly around the seat of the hardware fitting.
Applied Length	Assists in identification of strand size corresponding to tabular information appearing on catalog pages
Leg Offset	Ensures the wires of each leg are defined for future removal

ORDERING INFORMATION

Galvanized Steel Strand

For use on Extra High-Strength, High-Strength, Siemens Martin, Utilities Grade[3]

Catalog Number		Strand			Units per Carton	Weight per Carton	Applied Length	Conductor Color Code
		Size	Construction	Mean Diameter				
B-Coat	C-Coat	in		in		lb	in	
GDE-1102	GDE-2102	3/16	7W	0.186	100	29	20	Red
			7W	0.195				
GDE-1103	GDE-2103	7/32	7W	0.216	50	18	24	Green
GDE-1104	GDE-2104	1/4	3W	0.259	50	22	25	Yellow
			7W	0.240				
GDE-1105	GDE-2105	9/32	7W	0.279	50	26	28	Blue
GDE-1106	GDE-2106	5/16	3W	0.312	50	38	31	Black
			7W	0.312				
			7W	0.327				
GDE-1107	GDE-2107	3/8	3W	0.356	50	51	35	Orange
			7W	0.360				
GDE-1108	GDE-2108	7/16	7W	0.435	25	39	38	Green
GDE-1109	GDE-2109	1/2	7W	0.495	25	66	47	Blue
			19W	0.500				

Left-hand lay standard

NOTES:

[1] Big-Grip Dead-End is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.

[2] Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard for all sizes.

[3] Rated holding strength is 100% of published rating for all grades of galvanized strand.

[4] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Mischmetal Alloy (AL/ZN) Strand

For use on Mischmetal Alloy Strand[4]

Catalog Number	Strand			Units per Carton	Weight per Carton	Applied Length	Conductor Color Code
	Size	Construction	Mean Diameter				
	in		in		lb	in	
BDE-9102	3/16	7W	0.186	50	14	20	Red
		7W	0.195				
BDE-9104	1/4	3W	0.259	50	22	25	Yellow
		7W	0.240				
BDE-9106	5/16	3W	0.312	50	38	31	Black
		7W	0.312				
		7W	0.327				
BDE-9107	3/8	3W	0.356	50	52	35	Orange
		7W	0.360				
BDE-9108	7/16	7W	0.435	25	39	38	Green
BDE-9109	1/2	7W	0.495	25	68	47	Blue
		19W	0.500				

Left-hand lay standard

NOTES:

[1] Big-Grip Dead-End is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.

[2] Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard for all sizes.

[3] PLP mischmetal formed wire products are acceptable for use with Bezinal® and Galfan® coated strands.
Bezinal® is a registered trademark of the Bekaert Corporation.
Galfan® is a registered trademark of the Galfan Technology Centre, LLC.

[4] Rated holding strength is 100% of all grades of Mischmetal Alloy strand.

[5] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Aluminum Clad Steel Strand

For use on all grades of Aluminum Clad Steel Strand[3]

Catalog Number	Strand		Units per Carton	Weight per Carton	Applied Length	Conductor Color Code
	Nominal Strand Size	Mean Diameter				
	in	in		lb	in	
AWDE-4102	3 #12	0.174	100	20	18	Orange
AWDE-4108	4M	0.220	50	18	21	Green
	3 #10	0.220				
AWDE-4110	3 #9	0.247	50	20	24	Yellow
	6M	0.242				
AWDE-4113	3 #8	0.277	50	21	24	Blue
	8M	0.272				
AWDE-4116	3 #7	0.311	50	28	26	Black
	10M	0.306				
	5/16" - 7 #10	0.306				
AWDE-4118	11.5M	0.330	50	28	26	Green
AWDE-4119	3 #6	0.349	50	39	29	Yellow
	12.5M	0.343				
	11/32" - 7 #9	0.343				
AWDE-4120	14M	0.363	50	52	31	Blue
AWDE-4122	3 #5	0.392	50	54	32	Orange
	3/8" - 7 #8	0.385				
	16M	0.386				
AWDE-4124	18M	0.417	25	37	34	Black
AWDE-4125	7/16" - 7 #7	0.433	25	39	36	Green
AWDE-4126	20M	0.444	10	21	37	Yellow
AWDE-4128	1/2" - 7 #6	0.486	10	22	39	Blue
AWDE-4130	25M	0.519	10	21	43	Red
AWDE-4131	7 #5	0.546	10	31	44	Yellow

Left-hand lay standard

NOTES:

[1] Big-Grip Dead-End is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.

[2] Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard for all sizes.

[3] Rated holding strength is 100% of all grades of aluminum clad steel strand.

[4] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Copper Clad Steel Strand

For use on all grades of Copper Clad Steel Strand[4]

Catalog Number	Strand		Units per Carton	Weight per Carton	Applied Length	Conductor Color Code
	Nominal Strand Size	Mean Diameter				
	in	in		lb	in	
CDE-8100	2.2M	0.164	100	18	17	Orange
CDE-8102	3 #12	0.174	100	24	17	Red
CDE-8106	4M	0.209	100	31	18	White
CDE-3101	3 #10	0.220	100	43	20	Green
CDE-3103	3 #9	0.247	50	23	21	Yellow
	6M	0.237				
CDE-3104	6M3	0.258	50	22	22	White
CDE-3106	8M	0.276	50	25	23	Blue
	3 #8	0.277				
CDE-3109	10M	0.303	50	33	25	Red
	7 #10 - 5/16"	0.306				
	3 #7	0.311				
CDE-3112	7 #9 - 11/32"	0.343	50	46	27	Green
	12.5M	0.345				
	3 #6	0.349				
CDE-3113	14M	0.360	50	64	30	Blue
CDE-3115	7 #8 - 3/8"	0.385	50	64	31	White
	16M	0.386				
	3 #5	0.392				
CDE-3117	18M	0.414	25	45	34	Orange
CDE-3118	20M	0.438	25	46	35	Yellow
	7 #7 - 7/16"	0.433				
CDE-3121	7 #6 - 1/2"	0.486	25	65	39	Blue
CDE-3123	25M	0.525	10	37	43	Green
CDE-3124	7 #5 - 9/16"	0.546	10	37	44	Yellow

Left-hand lay standard

NOTES:

[1] Big-Grip Dead-End is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.

[2] Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard for all sizes.

[3] Refer to Design Considerations for material selection.

[4] Rated holding strength is 100% of published rating for the strand.

[5] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Stainless Steel Strand

For use on Type 302 and Type 430 Strand

Catalog Number	Strand			Units per Carton	Weight per Carton	Applied Length	Percent of Strands Rated Breaking Strength	Conductor Color Code
	Size	Construction	Mean Diameter					
	in		in		lbs	in		
SDE-5101	7/32	3W	0.224	100	30	22	100%	Blue
		7W	0.216					
SDE-5102	1/4	3W	0.259	50	24	26	100%	Yellow
		7W	0.249					
SDE-5103	9/32	7W	0.279	50	25	27	90%	Black
SDE-5104	5/16	3W	0.312	50	40	31	93%	Orange
		7W	0.312					
SDE-5105	3/8	3W	0.356	50	65	37	83%	Green
		7W	0.360					

Stainless Steel Strand

For use on Type 316 Strand

Catalog Number	Strand			Units per Carton	Weight per Carton	Applied Length	Percent of Strands Rated Breaking Strength	Conductor Color Code
	Size	Construction	Mean Diameter					
	in		in		lbs	in		
SDE-6101	7/32	3W	0.224	100	30	22	100%	Blue
		7W	0.216					
SDE-6102	1/4	3W	0.259	50	24	26	100%	Yellow
		7W	0.249					
SDE-6103	9/32	7W	0.279	50	25	27	90%	Black
SDE-6104*	5/16	3W	0.312	50	41	31	93%	Orange
		7W	0.312					
SDE-6105	3/8	3W	0.356	50	65	37	87%	Green
		7W	0.360					
SDE-6107	1/2	7W	0.500	10	52	53	85%	Blue

*These dead-ends utilize the open helix design
Left-hand lay standard

NOTES:

[1] Big-Grip Dead-End is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
[2] Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard for all sizes.
[3] Refer to Design Considerations for material selection.
[4] Consult PLP for sizes and stranding not shown.

ACCESSORIES

End Sleeves

End Sleeves are designed to help ensure the proper application of GUY-GRIP Dead-Ends. They are made from galvanized steel and are compatible with GUY-GRIP Dead-Ends designed for EHS strand, bridge strand, and aluminum-clad steel cables.

End Sleeves

For use on Galvanized Steel GUY-GRIP® Dead-Ends

End Sleeve		GUY-GRIP Dead-End Catalog Number			Size
Catalog Number	Carton Quantity	B-Coat	C-Coat	Carton Quantity	in
GC-65303	100	GDE-1102	GDE-2102	100	3/16
GC-65136	100	GDE-1104	GDE-2104	50	1/4
GC-65128	100	GDE-1106	GDE-2106	50	5/16
GC-65264	100	GDE-1107	GDE-2107	50	3/8
GC-65265	100	GDE-1108	GDE-2108	25	7/16
GC-65266	50	GDE-1109	GDE-2109	25	1/2

Catalog Number: GC-65303

Catalog Number: GC-65136

Catalog Number: GC-65128

Catalog Number: GC-65264

Catalog Number: GC-65265

Catalog Number: GC-65266

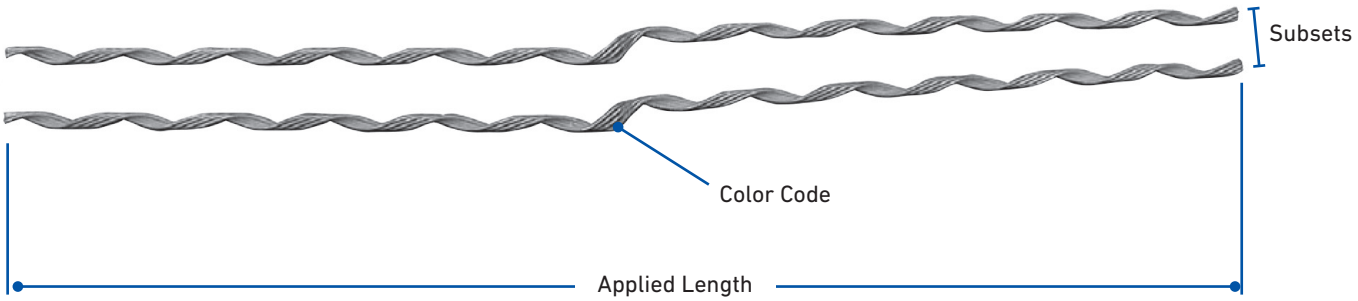
GUY-LOCK™ DEAD-END

GUY-LOCK Dead-End is designed for use on single wood poles commonly found in distribution construction. It serves the same function as the GUY-GRIP® Dead-End but is ideal for those who prefer a “wrap-around” guy configuration at the pole. Suitable for any pole size, the GUY-LOCK neatly secures the strand tail to the load-bearing portion of the down guy, creating a clean and reliable termination. It can also be effectively used to secure the guy strand at the anchor point.

FEATURES AND BENEFITS

- Manufactured from durable galvanized steel wire
- Lightweight design allows for easy installation at either the pole or anchor location
- Intended for single use, but can be reinstalled up to two times within 90 days of initial application
- Helically formed-wire design provides secure, reliable performance
- Available in one- or two-piece configurations
- Suitable for use on poles of any size
- Compatible with strand diameters from 1/4" (6.35 mm) to 1/2" (12.7 mm)
- Rated to 100% of the strand’s published rated breaking strength

SPECIFICATIONS



GUY-LOCK Dead-End

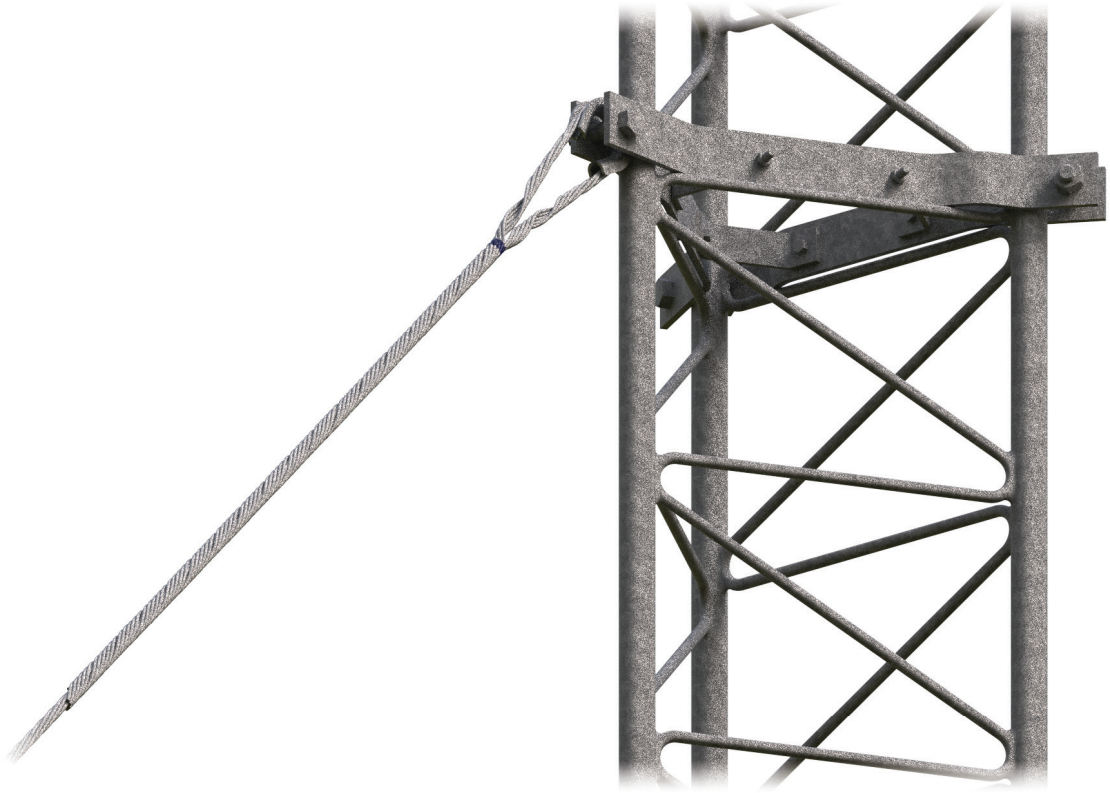
Characteristic	Specification
Subsets	Individual galvanized steel rods assembled into groups, bonded together and coated with an abrasive grit.
Color Code	Identifies strand size for colors corresponding to tabular information on catalog pages and indicates cross-over point for starting the application.
Length	Indicates length of the GUY-LOCK Dead-End before installation
Applied Length	Assists in identification of strand size corresponding to tabular information appearing on catalog pages

ORDERING INFORMATION

GUY-LOCK Dead-End

Catalog Number	Size	Construction	Mean Diameter	Applied Length	Color Code	Rated Holding Strength
	in (mm)		in	in		lb
GL-1104*	1/4 (6.4)	7W 3W	.259 .240	33	Yellow	6,650
GL-1106*	5/16 (7.9)	7W 3W	.312 .327	35	Black	11,200
GL-1107	3/8 (9.5)	7W 3W	.356 .360	42	Orange	15,400
GL-1108	7/16 (11.1)	7W	.435	44	Green	20,800
GL-1109	1/2 (12.7)	7W 19W	.495 .500	46	Blue	26,900

*Denotes a single subset design



BIG-GRIP DEAD-END

Big-Grip Dead-Ends are engineered for use on transmission structures, towers, antennas, and other guyed installations that require multiple guying points, guy lengths exceeding 90 feet, or the use of large-diameter guy strand. This one-piece, preformed dead-end features a clean, hardware-free design that eliminates bolts and clamps, reducing high-stress concentrations on the strand. Its integrated cabled loop enhances durability, simplifies tensioning, offers exceptional adaptability for complex guying configurations, and minimizes stresses at both the structure's top and ground anchor points.

FEATURES AND BENEFITS

- Ideal for large guyed structures requiring larger-diameter guy strand
- Manufactured from materials that match the guy strand to prevent corrosion and ensure proper strength performance
- Rated to 100% of the strand's published breaking strength (unless otherwise specified)
- Compatible with a wide range of attachment fittings
- Installs easily without the need for tools
- Can be reapplied twice within 90 days of initial installation for retensioning
- Offset legs aid in rod identification and simplify both installation and removal
- Designed to allow strand tails to be either buried within the dead-end or passed through the loop for grounding applications

DESIGN CONSIDERATIONS

Description	Details
Material Selection	Big-Grip Dead-Ends are made of the same basic material as the strand to which they are applied (galvanized steel and aluminum clad steel) **except where noted otherwise**. These materials can be selected from the catalog tables. The recommended types of strand are also indicated.
Application and Safety Considerations	Big-Grip Dead-Ends are intended for use on large structures associated with transmission, tower and antenna, and communications construction. **Big-Grip Dead-Ends are NOT acceptable for use on wire rope applications.** When in doubt about installations, hardware, or applications, contact a PLP representative. Big-Grip Dead-Ends should be used only on the size and strand for which they are designed. They must have the same lay direction and be made from the same material as the strand to which they are applied. When using types of strand and/or sizes of strand not mentioned in these catalog pages, consult PLP for compatible Big-Grip Dead-End designs. During installation and at all times, care should be taken to avoid gouging or damaging the corrosion preventive material of either the Big-Grip Dead-end or the strand. Although Big-Grip Dead-Ends can be installed without the use of tools, a screwdriver can be used with caution to split the legs of the dead-end into subsets. When splitting the legs, do not make more than two subsets per leg. Within the first 90 days after initial application, Big-Grip Dead-Ends may be removed and reapplied two times for the purpose of retensioning the guy. After 90 days a new dead-end must be used any time removal is required. **BIG-GRIP Dead-Ends should not be used as tools; that is, come-alongs, pulling-in grips, etc.** Refer to the Installation Tools section for the PLP Pulling Eye, designed to assist application at the anchor.
Strand Tail	For appearance and safety, the strand tail should be cut as close as convenient to the crossover mark and buried inside the crossover mark if possible. If desired, the strand tail can, instead, extend through the loop for grounding purposes. Any tail that extends through the loop should be restrained and not permitted to rotate during loading of the guy. Grounding of the down guy should never be accomplished through any part of the Big-Grip Dead-End.
Mechanical Strength	Big-Grip Dead-Ends are rated at 100% of the strand's published rated breaking strength unless otherwise specified. PLP suggests guy tensions be maintained at approximately 10% of the strand's Rated Breaking Strength (RBS).
Hardware	Big-Grip Dead-Ends should not be used on hardware that allows the strand to rotate or spin about its axis uncontrolled. Adjustable hardware, such as a turnbuckle, may be used as long as rotational movement of the strand is restricted. Consult PLP for additional information concerning adjustable hardware that can be used with Big-Grip Dead-Ends. Hardware used in conjunction with Big-Grip Dead-Ends should have smooth contours, ample groove clearances, acceptable seat diameters, and sufficient strength to minimize abrasion and fatigue of the loop area. Refer to the figures and table on the next page for acceptable hardware and dimensions to use with Big-Grip Dead-Ends. If PLP's Heavy-Duty Thimbles are not used, only heavy-duty type wire rope thimbles or solid Hawser type thimbles are recommended for use with Big-Grip Dead-Ends (Refer to Figures 4, 5, and 6 on the next page). Heavy-duty type wire rope thimbles can collapse when guy tensions are high. In order to support and protect the loop area of the Big-Grip Dead-End, special precautions are necessary. To prevent collapse of the thimble, either a Hawser type thimble (Figure 4), a large pin inside the thimble (Figure 5), or a smaller pin (such as a shackle pin) plus double extra strong weight pipe or eqivalent (Figure 6) is necessary. Double extra strong weight pipe, which has increased wall thickness and strength over schedule 160 pipe, does not have a schedule number but information can be obtained from a pipe supplier. Thimble strengths and dimensions can be obtained from a thimble supplier.

Additional Resources

For additional information regarding the use and installation of Big-Grip Dead-Ends, use the QR codes listed below.

Big-Grip Dead-End
Webpage

ATTACHMENT HARDWARE

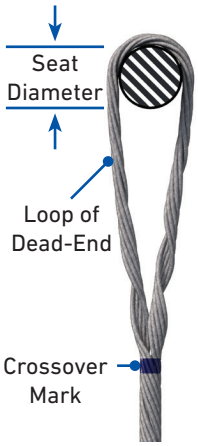


Figure 1

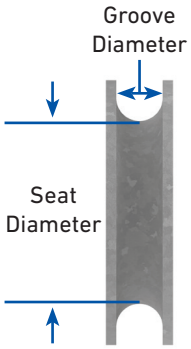


Figure 2

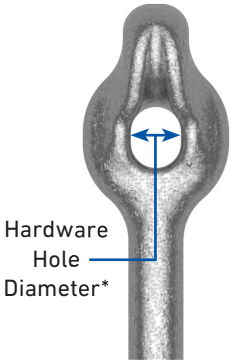


Figure 3

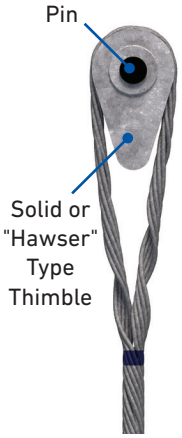


Figure 4

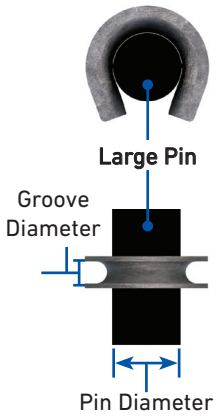


Figure 5

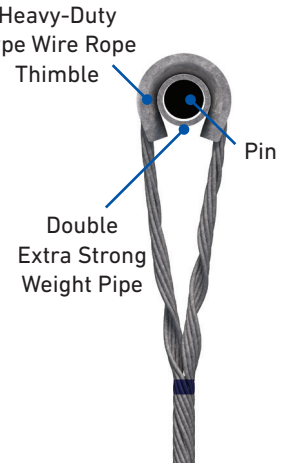


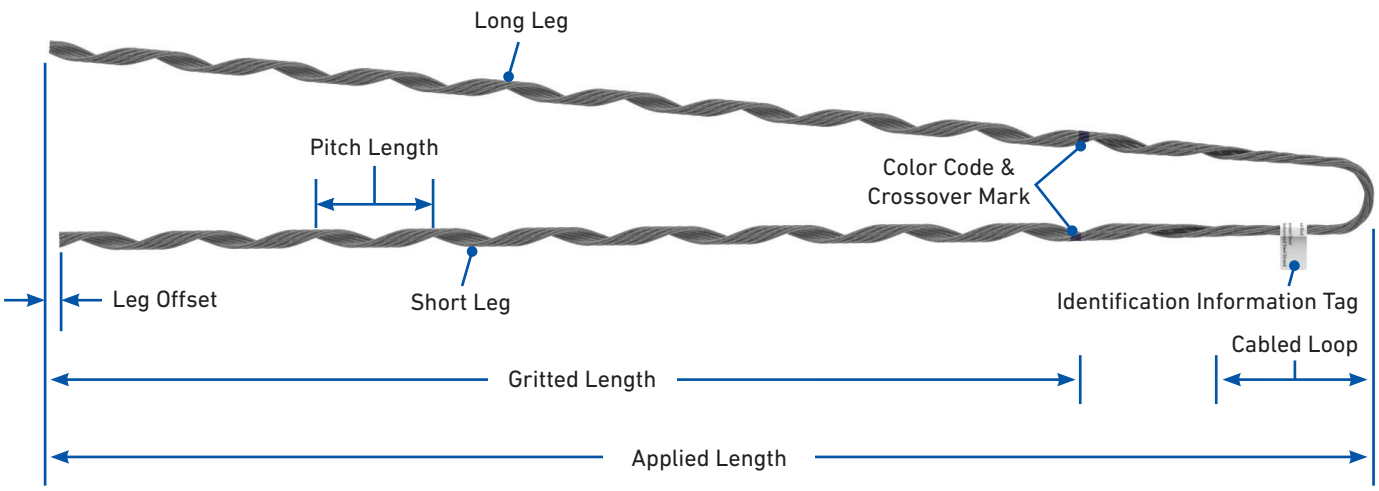
Figure 6

Suggested Hardware Dimensions for Big-Grip Dead-Ends

Nominal Strand Size	Dead-End Diameter Range		Seat Dimensions (Figures 1 & 2)		Groove Diameter (Figure 2)	Hardware Hole Diameter* (Figure 3)	Heavy-Duty Thimble Size	Pin Diameter (Figures 4 & 5)		Double Extra Strong Weight Pipe (Figure 6)		
in	in		in		in	in	in	in		in		
	Minimum	Maximum	Minimum	Maximum	Minimum	Minimum		Minimum	Maximum	Nominal Size	OD	ID
3/16	0.174	0.203	1	(2-1/2) 1-3/4	1/4	3/8	7/16 - 3/8	5/8	1	3/4	1.05	0.61
7/32	0.204	0.230	1-1/8	(2-1/2) 1-3/4	5/16	3/8	7/16 - 3/8	5/8	1	3/4	1.05	0.61
1/4	0.231	0.259	1-1/8	(2-1/2) 1-3/4	5/16	7/16	1/2	1	1-3/8	1	1.32	0.82
9/32	0.260	0.291	1-1/8	(2-1/2) 1-3/4	3/8	1/2	1/2	1	1-3/8	1	1.32	0.82
5/16	0.292	0.336	1-1/4	(2-1/2) 1-3/4	3/8	9/16	1/2	1	1-3/8	1	1.32	0.82
3/8	0.337	0.394	1-3/8	(2-1/2) 1-3/4	7/16	5/8	1/2	1	1-3/8	1	1.32	0.82
7/16	0.395	0.474	1-3/8	2-3/8	1/2	11/16	1/2	1	1-3/8	1	1.32	0.82
1/2	0.475	0.515	1-3/8	2-3/8	9/16	3/4	5/8	1	1-5/8	1-1/4	1.66	0.90
9/16	0.516	0.570	1-1/2	2-5/8	5/8	15/16	5/8	1-1/8	1-5/8	1-1/4	1.66	0.90
5/8	0.571	0.635	2	2-5/8	3/4	1	3/4	1-1/2	1-7/8	1-1/4	1.66	0.90
3/4	0.636	0.772	2-1/2	3-1/8	7/8	1-3/16	7/8	1-7/8	2-1/8	1-1/2	1.90	1.10
-	0.773	0.868	2-1/2	3-5/8	1	1-3/8	1	2	2-3/8	2	2.38	1.50
7/8 or 1	0.869	1.024	3	4-1/8	1	1-3/8	1-1/8 – 1-1/4	2-3/8	2-3/4	2	2.38	1.50
-	1.025	1.27	3-1/2	5-1/8	1-3/8	1-3/4	1-1/4 – 1-3/8	2-3/4	3-1/4	2-1/2	2.88	1.77
-	1.30		4	5-1/8	1-3/8	1-15/16	1-3/8 – 1-1/2	2-7/8	3-3/8	2-1/2	2.88	1.77

* Depending on geometric shape of the hole, the legs of the Big-Grip Dead-End may be inserted into a hole diameter less than specified.

SPECIFICATIONS



Big-Grip Dead-End

Feature	Description
Identification Information Tag	Shows catalog number and pertinent dead-end information. Printed on a flag.
Color Code	Identifies strand size for colors corresponding to tabular information on catalog pages.
Crossover Mark	Indicates starting point for application.
Short Leg and Long Leg	Identifies rods belonging to each leg after application. During application, the short leg should be applied first.
Pitch Length	One complete wrap of a leg.
Gritted Length	Gritted helical legs retain the strand in place.
Cabled Loop	Furnished as standard for all sizes. Allows the dead-end to form properly around the seat of the hardware fitting.
Applied Length	Assists in identification of strand size corresponding to tabular information appearing on catalog pages.
Leg Offset	Ensures the wires of each leg are defined for future removal.

ORDERING INFORMATION

Galvanized Steel Strand

For use on Extra High-Strength, High-Strength, Siemens Martin, Utilities Grade

Catalog Number	Strand			Units per Carton	Weight per Carton	Applied Length	Rated Holding Strength	Percent of Strand's Rated Breaking Strength	Color Code
	Size	Construction	Actual Diameter						
	in		in		lb	in	lb		
BG-2140	1/8	7W	0.123	100	12	14	1,830	100%	Blue
BG-2142	3/16	7W	0.186	100	33	23	3,990	100%	Red
BG-2144	1/4	3W	0.259	50	25	27	6,650	100%	Yellow
		7W	0.240						
BG-2145	9/32	7W	0.279	50	27	30	8,950	100%	Blue
BG-2146	5/16	3W	0.312	50	41	33	11,200	100%	Black
		7W	0.312						
BG-2147	3/8	3W	0.356	25	33	37	15,400	100%	Orange
		7W	0.360						
BG-2148	7/16	7W	0.435	25	46	40	20,800	100%	Green
BG-2115	1/2	7W	0.495	20	40	49	26,900	100%	Blue
		19W	0.500						
BG-2116	9/16	7W	0.564	10	47	55	35,000	100%	Yellow
		19W	0.565						
BG-2111	5/8	7W	0.621	10	64	64	42,400	100%	Black
		19W	0.625				40,200		
BG-1112	3/4	19W	0.750	5	55	76	58,300	100%	Orange
BG-1113	7/8	19W	0.885	5	94	90	79,700	100%	Green
BG-1114	1	19W	1.000	3	92	125	104,500	100%	Blue
		37W	1.001				92,430	90%+	

Left-hand lay standard
+ Down-rated for 37 stranding (1994)

NOTES:

[1] For strand sizes equal to or smaller than 1/2" and guy lengths shorter than 90', refer to the GUY-GRIP® Dead-End as an alternate solution.
[2] Reference the table under the Attachment Hardware section for acceptable fitting dimensions.
[3] Cabled loop design is furnished as standard for all sizes.
[4] Rated Holding Strengths (RHS) of the Big-Grip Dead-Ends are listed for each strand and are expressed as a percent of the strand's Rated Breaking Strength (RBS).
[5] C-Coat galvanized steel is standard for all Big-Grip Dead-Ends unless otherwise stated.
[6] B-Coat galvanized steel is used for the Big-Grip Dead-Ends on 3/4", 7/8", and 1" strand.
[7] The Aluminum Clad Steel version of the 7/8" and 1" Big-Grip Dead-End are still available as **Catalog Number BGMS7023** (7/8") and **Catalog Number BGMS7047** (1").
[8] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Aluminum Clad Steel Strand

For use on all grades of Aluminum Clad Steel Strand

Catalog Number	Strand			Units per Carton	Weight per Carton	Applied Length	Rated Holding Strength	Percent of Strand's Rated Breaking Strength	Color Code
	Nominal Strand Size	Diameter Range in			lb	in	lb		
		Minimum	Maximum						
BG-4202	3, #12	0.174	0.181	100	21	19	2,850	100%	Orange
BG-4208	4M; 3, #10	0.219	0.230	50	20	22	4,532	100%	Green
BG-4210	7, #12; 6M	0.237	0.247	50	22	24	6,000	100%	Yellow
BG-4213	3, #8; 8M	0.270	0.280	50	24	27	8,000	100%	Blue
BG-4216	3, #7; 10M; 5/16; 7, #10	0.303	0.313	50	31	29	10,000	100%	Black
BG-4220	3, #12; 5M; 11/32; 7, #9	0.343	0.355	50	44	32	12,500	100%	Yellow
BG-4221	14M	0.350	0.364	50	59	35	14,000	100%	Blue
BG-4223	3, #5; 3/8; 7, #8; 16M	0.380	0.394	50	61	36	16,000	100%	Orange
BG-4225	18M	0.410	0.426	25	43	39	18,000	100%	Black
BG-4226	7/16; 7, #7	0.427	0.442	25	43	40	19,060	100%	Green
BG-4227	20M	0.443	0.459	25	56	41	20,000	100%	Yellow
BG-4168	7, #6	0.475	0.494	20	46	42	22,730	100%	Blue
BG-4169	19, #10	0.495	0.515	25	60	44	27,190	100%	Green
BG-4170	25M	0.516	0.536	20	65	47	25,000	100%	Red
BG-4171	7, #5	0.537	0.555	20	66	48	27,030	100%	Yellow
BG-4172	–	0.556	0.570	20	68	49	33,330	-	Blue
BG-4173	19, #9	0.571	0.591	20	70	50	34,290	100%	Orange
BG-4174	–	0.592	0.612	20	65	50	34,450	-	Green
BG-4175	–	0.613	0.635	10	48	54	45,000	-	Yellow
BG-4176	19, #8	0.636	0.661	10	49	56	43,240	100%	Black
BG-4177	19 x .1363"	0.662	0.686	10	65	59	47,400	100%	Blue
BG-4178	–	0.687	0.712	10	67	61	54,200	-	Red
BG-4179	19, #7	0.713	0.741	10	69	63	51,730	100%	Black
	37, #10						50,300	95%+	
BG-4180	19 x .1499"	0.742	0.772	5	40	71	54,300	100%	Yellow

Continue to Next Page For More Products

Left-hand lay standard
+ Down-rated for 37 stranding (1994)

NOTES:

[1] For strand sizes smaller than 7#6 and guy lengths shorter than 90', refer to the GUY-GRIP® Dead-End as an alternate solution.
[2] Nominal Strand Size indicates possible strand sizes that fit within the Strand Diameter Range.
[3] Reference the table under the Attachment Hardware section for acceptable fitting dimensions.
[4] Cabled loop design is furnished as standard for all sizes.
[5] Rated Holding Strengths (RHS) of the Big-Grip Dead-Ends are listed for each strand and are expressed as a percent of the strand's Rated Breaking Strength (RBS).
[6] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Aluminum Clad Steel Strand

For use on all grade of Aluminum Clad Steel Strand

The Following Products Are For The Specific Cables Listed								
Catalog Number	Strand		Units per Carton	Weight per Carton	Applied Length	Rated Holding Strength	Percent of Strand's Rated Breaking Strength	Color Code
	Nominal Strand Size	Actual Diameters						
		in		lb	in	lb		
BG-4181	19 x .1584"	0.792	5	49	80	59,000	-	Blue
BG-4183	37, #9	0.801, 0.810, 0.827	5	70	84	63,430	95%+	Green
	19, #6					61,700	100%	
	19 x .1660"					63,000	100%	
BG-4185	37 x .121"	0.849, 0.850, 0.866	5	72	87	71,250	95%+	Black
	19 x .170"					66,000	100%	
	19 x .173"					68,500	100%	
	37 x .123"					74,100	95%+	
BG-4186	37, #8	0.899	5	80	91	80,000	95%+	Yellow
BG-4187	19, #5	0.910, 0.934	5	77	93	73,350	100%	Blue
	19 x .1868"					75,000	100%	
BG-4188	37 x .1404"	0.981			95	90,250	95%+	Red
BG-4189	37, #7	1.01	4	86	108	90,600	90%+	Green
BG-4190	37 x .1571"	1.10	4	115	117	101,700	90%+	Black
BG-4191	37, #6	1.134	4	59	120	108,200	89%	Yellow
BG-4192	37, #5	1.27	2	86	151	127,000	89%+	Red

Left-hand lay standard
+ Down-rated for 37 stranding (1994)

NOTES:

[1] For strand sizes smaller than 7#6 and guy lengths shorter than 90', refer to the GUY-GRIP® Dead-End as an alternate solution.
[2] Nominal Strand Size indicates possible strand sizes that fit within the Strand Diameter Range.
[3] Reference the table under the Attachment Hardware section for acceptable fitting dimensions.
[4] Cabled loop design is furnished as standard for all sizes.
[5] Rated Holding Strengths (RHS) of the Big-Grip Dead-Ends are listed for each strand and are expressed as a percent of the strand's Rated Breaking Strength (RBS).
[6] Consult PLP for sizes and stranding not shown.

ORDERING INFORMATION CONTINUED

Galvanized Steel Structural (Bridge) Strand - Left-Hand Lay

For use on Left-Hand Lay Galvanized Steel Structural (Bridge) Strand

Catalog Number	Dead-End Material	Strand		Units per Carton	Weight per Carton	Applied Length	Rods per Dead-End	Cables Published Rated Breaking Strength	Dead-End Rated Holding Strength	Color Code
		Nominal Size	Construction							
		in			lb	in		lb	lb	
BGMS6599	C-Coat Galvanized Steel	1/2	19W	10	38	52	5	30,000	30,000	Orange
BGMS7648	C-Coat Galvanized Steel	9/16	19W	10	50	55	5	38,000	38,000	Yellow
BGMS6446	B-Coat Galvanized Steel	5/8	19W	10	75	67	4	48,000	48,000	Black
BGMS1035	C-Coat Galvanized Steel	11/16	19W	5	52	74	5	58,000	58,000	Blue
BGMS3690	Aluminum Clad Steel	3/4	19W	5	67	84	4	68,000	68,000	Orange
BGMS2759	Aluminum Clad Steel	13/16	19W	5	71	85	5	80,000	80,000	Red
BGMS7346	Aluminum Clad Steel	7/8	19W	3	56	94	5	92,000	92,000	Orange
BGMS7656	Aluminum Clad Steel	15/16	19W	3	72	121	5	108,000	101,300	Blue

Galvanized Steel Structural (Bridge) Strand - Right-Hand Lay

For use on Right-Hand Lay Galvanized Steel Structural (Bridge) Strand

Catalog Number	Dead-End Material	Strand		Units per Carton	Weight per Carton	Applied Length	Rods per Dead-End	Cables Published Rated Breaking Strength	Dead-End Rated Holding Strength	Color Code
		Nominal Size	Construction							
		in			lb	in		lb	lb	
BGMS0717	C-Coat Galvanized Steel	1/2	19W	10	38	52	5	30,000	30,000	Orange
BGMS6604	C-Coat Galvanized Steel	9/16	19W	10	48	55	5	38,000	38,000	Blue
BGMS2617	B-Coat Galvanized Steel	5/8	19W	10	75	67	4	48,000	48,000	Black
BGMS6654	C-Coat Galvanized Steel	11/16	19W	5	52	74	5	58,000	58,000	Green
BGMS0704	Aluminum Clad Steel	3/4	19W	5	67	84	4	68,000	68,000	Black
BGMS0721	Aluminum Clad Steel	13/16	19W	5	71	85	5	80,000	80,000	Red
BGMS5548	Aluminum Clad Steel	7/8	19W	3	56	94	5	92,000	92,000	Orange
BGMS7260	Aluminum Clad Steel	15/16	19W	3	72	121	5	108,000	101,300	Blue

ACCESSORIES

Heavy-Duty Thimble

Big-Grip Dead-End Heavy-Duty Thimbles are designed specifically to fit inside the loop of Big-Grip Dead-Ends. The heavy-duty thimbles have an enlarged opening to assist with installation over mounting hardware. All thimbles are hot-dip galvanized in accordance with ASTM-A153 to ensure a long life in the field.

Heavy-Duty Thimbles

For use on Big-Grip Dead-Ends

Heavy-Duty Thimble		Big-Grip Dead-End		Strand Size
Catalog Number	Carton Quantity	Catalog Number	Carton Quantity	in
HDT-9147	50	BG-2140	100	1/8
		BG-2142	100	3/16
		BG-2144	50	1/4
HDT-9148	25	BG-2145	50	9/32
		BG-2146	50	5/16
		BG-2147	25	3/8
HDT-9149	20	BG-2148	25	7/16
		BG-2115	20	1/2
HDT-9150	10	BG-2116	10	9/16
		BG-2111	10	5/8
HDT-9151	5	BG-1112	5	3/4
HDT-9152	3	BG-1113	5	7/8
		BG-1114	3	1

Catalog Number: HDT-9147

Catalog Number: HDT-9148

Catalog Number: HDT-9149

Catalog Number: HDT-9150

Catalog Number: HDT-9151

Catalog Number: HDT-9152

ACCESSORIES CONTINUED

End Sleeves

End Sleeves are designed to help ensure the proper application of Big-Grip Dead-Ends. They are made from galvanized steel and are compatible with Big-Grip Dead-Ends designed for EHS strand, bridge strand, and aluminum-clad steel cables.

End Sleeves

For use on C-Coat Galvanized Steel Big-Grip Dead-Ends

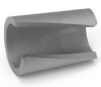
End Sleeve		C-Coat Galvanized Steel Big-Grip Dead-End		Strand Size
Catalog Number	Carton Quantity	Catalog Number	Carton Quantity	in
GC-65303	100	BG-2142	100	3/16
GC-65136		BG-2144	50	1/4
GC-65128		BG-2146	50	5/16
GC-65264		BG-2147	25	3/8
GC-65265		BG-2148	25	7/16
GC-65266		BG-2115	25	1/2
GC-65267	50	BG-2116	10	9/16
GC-65268	50	BG-2111	10	5/8
GC-65269	50	BG-1112	10	11/16 or 3/4
		BG-2112	10	11/16 or 3/4
GC-65270	50	BG-1114	3	15/16 or 1
		*BGMS7023, and BG-1113	5	13/16 or 7/8
GC-65271	100	*BGMS7047	3	15/16 or 1

*Manufactured from aluminum-clad steel strand

Catalog Number: GC-65303

Catalog Number: GC-65136

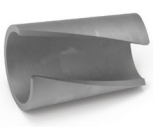
Catalog Number: GC-65128



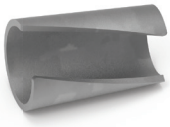
Catalog Number: GC-65264

Catalog Number: GC-65265

Catalog Number: GC-65266



Catalog Number: GC-65267



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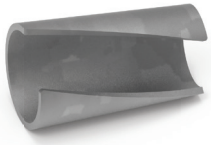

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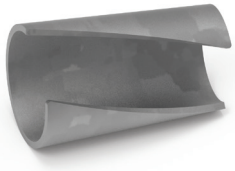

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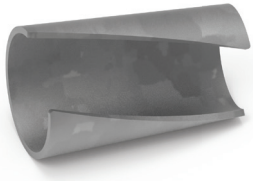


Catalog Number: GC-65271

ACCESSORIES CONTINUED

End Sleeves

For use on Aluminum Clad Steel Strand Big-Grip Dead-Ends

End Sleeve		Aluminum Clad Steel Big-Grip Dead-End		Strand Size
Catalog Number	Carton Quantity	Catalog Number	Carton Quantity	in
GC-65436	100	BG-4210	50	6M, 3 #9
GC-65128	100	BG-4216	50	10M, 7 #10
GC-65264	100	BG-4220	50	12.5, 7 #9
GC-65265	100	BG-4221	50	14M
		BG-4223	50	16M, 7 #8
		BG-4225	25	18M
		BG-4226	25	7 #7
GC-65266	100	BG-4227	25	20M
		BG-4168	20	7 #6
		BG-4169	25	9 #10
GC-65267	50	BG-4170	20	25M
		BG-4171	20	7 #5
		BG-4173	20	19 #9
GC-65272	100	BG-4176	10	19 #8
GC-65269	50	BG-4179	10	37 #10
				19 #7
GC-65298	100	BG-4181	5	19x, .1584
		BG-4183	5	37 #9
				19 #6
				19x, .1660
GC-65270	30	BG-4186	5	37 #8
		BG-4187	5	19 #5
				19x, .1868
GC-65271	100	BG-4188	4	37x, .1401
		BG-4189	4	37 #7

VARI-GRIP™ DEAD-END

The **VARI-GRIP Dead-End** is engineered for use on transmission structures, towers, antennas, and other guyed applications requiring large-diameter guy strand. Its key components—including a robust housing, high-strength U-bolt, and hex nuts—enable precise tension adjustments without the need for a turnbuckle.

The **VARI-GRIP Gen2 Dead-End** version, available for select applications, offers a lighter-weight design while maintaining the same high holding strength. Additionally, the Gen2 eliminates the need for conformal castings by providing effective U-bolt support through an optimized structure.

FEATURES AND BENEFITS

VARI-GRIP Dead-End

- The unique housing, wedge, and rod assembly is designed to provide a holding strength of 100% of the strand's rated breaking load
- Retaining rods are made from a material that is compatible with the guy strand material (e.g., aluminum-clad steel rods for aluminum-clad steel guy strand)
- Available for strand sizes of 0.438" - 1.780" (20,800 - 295,500 lb)
- Take-up U-Bolts in sizes 0" and 18" are available for most strand sizes

VARI-GRIP Gen2 Dead-End

- Lighter design while still maintaining the same holding strength features as the standard design
- Conformal castings are not required to properly support the U-Bolt

DESIGN CONSIDERATIONS

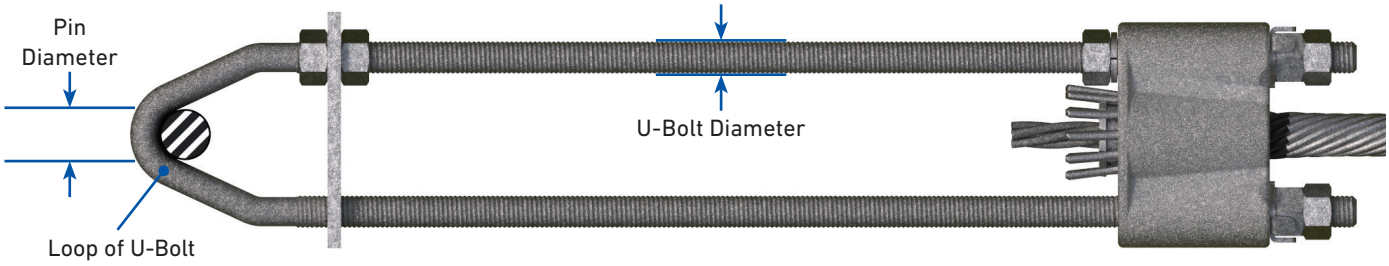
Description	Details
Material Selection	The retaining rods are made from a material that is compatible with the guy strand material (i.e., aluminum-clad steel rods for aluminum-clad steel guy strand). Where guying requirements call for strands not shown on the catalog pages, consult PLP
Application and Safety Considerations	VARI-GRIP Dead-Ends are designed for use on Transmission, Tower and Antenna, Communications and other types of guyed structures that require use of large guy strand. They are **NOT** designed or tested for use on overhead shield wires or wire ropes and are not intended for those applications. VARI-GRIP Dead-Ends should be used only on the size and strand for which they are designed. The VARI-GRIP Dead-End Retaining Rods **MUST** have the same lay direction as the strand to which they are applied. **WHEN ORDERING VARI-GRIP DEAD-ENDS, SPECIFY THE STRAND AND THE STRAND LAY DIRECTION ON WHICH THEY ARE TO BE USE.** When installing VARI-GRIP Dead-Ends, care should be taken not to damage the protective coatings on the hardware, rods or fittings. VARI-GRIP Dead-Ends **should not be used as tools; that is, come-alongs, pulling-in grips, etc.**
Mechanical Strength	VARI-GRIP Dead-Ends are designed to hold the maximum loads published on the catalog pages for only those specific strands listed.
Attachment Hardware	When installing VARI-GRIP Dead-Ends to a pin or other linkage, refer to the table on the next page for minimum and maximum diameters. The minimum dimension indicates the smallest fitting that will ensure support of the U-Bolt, while the maximum dimension indicates the largest fitting that will fit through the U-Bolt.

Additional Resources

For additional information regarding the use and installation of VARI-GRIP Dead-Ends, use the QR codes listed below.

VARI-GRIP Dead-End

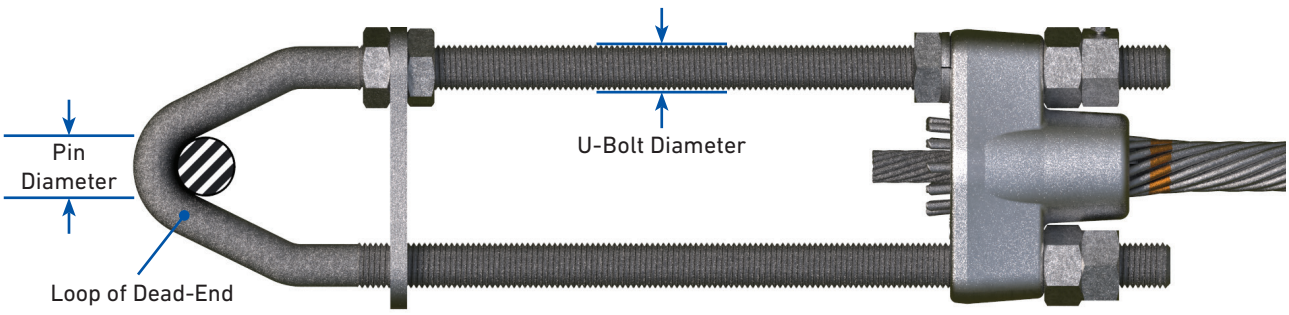
ATTACHMENT HARDWARE



VARI-GRIP Dead-End

Acceptable Pin Diameters for VARI-GRIP™ Dead-End

Strand Range	U-Bolt Diameter	Minimum	Maximum
in	in	in	in
0.438 – 0.500	5/8	5/8	1-1/8
0.546 – 0.661	3/4	3/4	1-1/8
0.744 – 0.914	1	1	1-1/4
0.915 – 1.034	1-1/8	1-1/8	1-3/8
1-1/8 EHS 1" BS 61 #7 61 #6	1-1/2	4	4
61 #5 91 #6	1-3/4	4	4-1/2

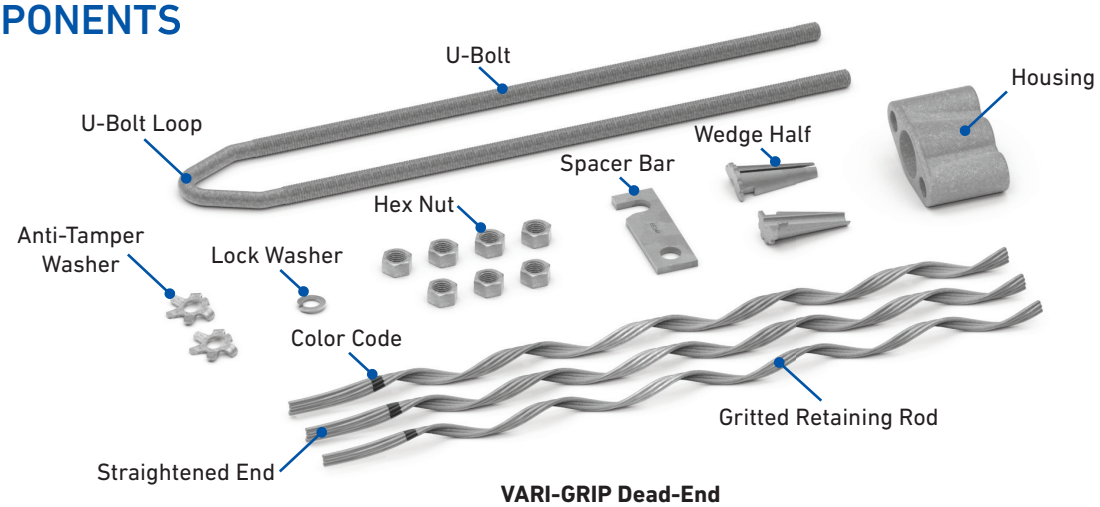


VARI-GRIP Gen2 Dead-End

Acceptable Pin Diameters for VARI-GRIP Gen2 Dead-End

Strand Range	U-Bolt Diameter	Minimum	Maximum
in	in	in	in
0.744 – 0.888	1	1	1-1/4
1.000 – 1.125	1-1/8	1-1/8	1-1/2

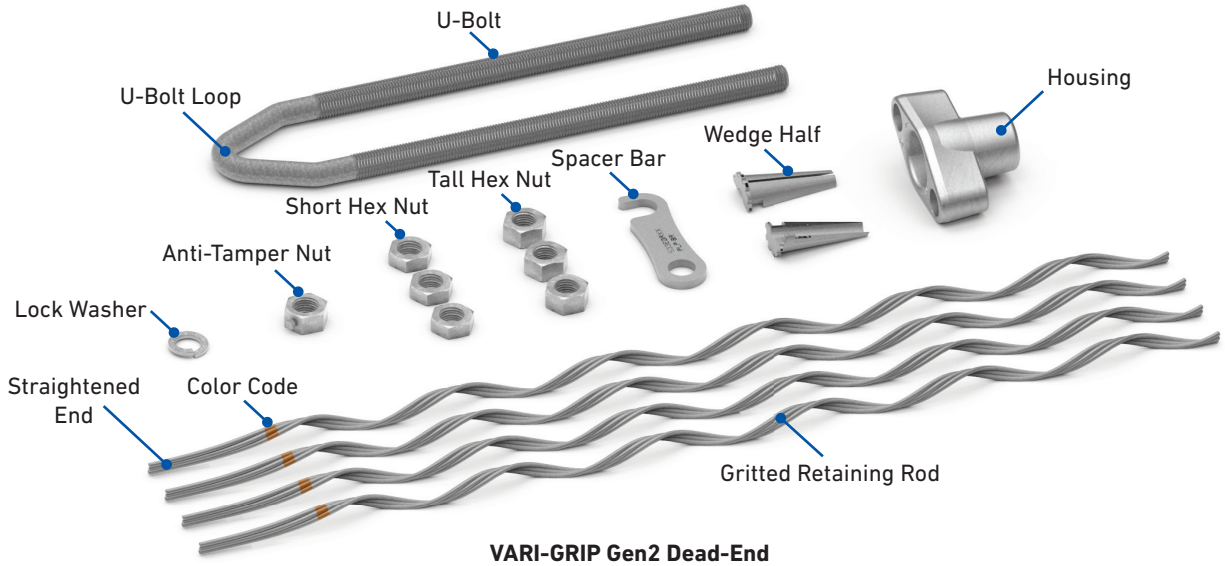
COMPONENTS



VARI-GRIP Dead-End

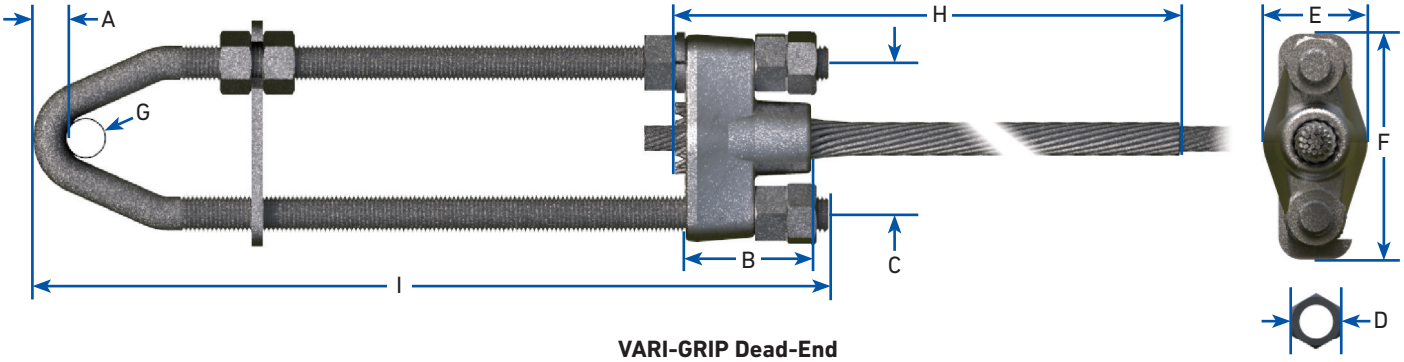
VARI-GRIP™ Dead-End (Standard & Gen2 Designs)

Component	Description
U-Bolt	Allows the dead-end to be adjusted for tensioning
U-Bolt Loop	Allows the dead-end to form properly around the seat of the hardware fitting.
Spacer Bar	Prevents the loop end of the U-Bolt from collapsing during tensioning
Housing	Restrains the U-Bolt and the Wedge Halves
Wedge Halves	Applied diretly to the strand near the cut end and held together with tape. Restrains the strand by allowing compressive forces to be evenly distributed to the strand during tensioning.
Gritted Retaining Rods	Gritted helical rods are subsetted for easy installation and prevents the strand from slipping. Manufactured from material compatible with the strand for which they are applied on.
Straightened End	One end of each gritted retaining rod subset is straightened to help conform the rods around the applied wedge halves. The rods of each subset are seperated at the straightened end to allow each rod to rest in the grooves of the wedge halves.
Color Code	Identifies strand size for colors corresponding to tabular information on catalog pages
Hex Nut (**Standard Design Only**)	Secures the U-Bolt to the Housing and secures the Spacer Bar in place on the U-Bolt
Short Hex Nut (**Gen2 Design Only**)	Secures the Spacer Bar in place on the U-Bolt and secures the Housing
Tall Hex Nut (**Gen2 Design Only**)	Secures the U-Bolt to the Housing
Lock Washer	Prevents the inner Hex Nut that secures the Housing from loosening
Anti-Tamper Washer (**Standard Design Only**)	Prevents outer Hex Nuts from being loosened after tensioning has occurred
Anti-Tamper Nut (**Gen2 Design Only**)	Has a security screw that prevents the nut from being loosened after tensioning has occurred



VARI-GRIP Gen2 Dead-End

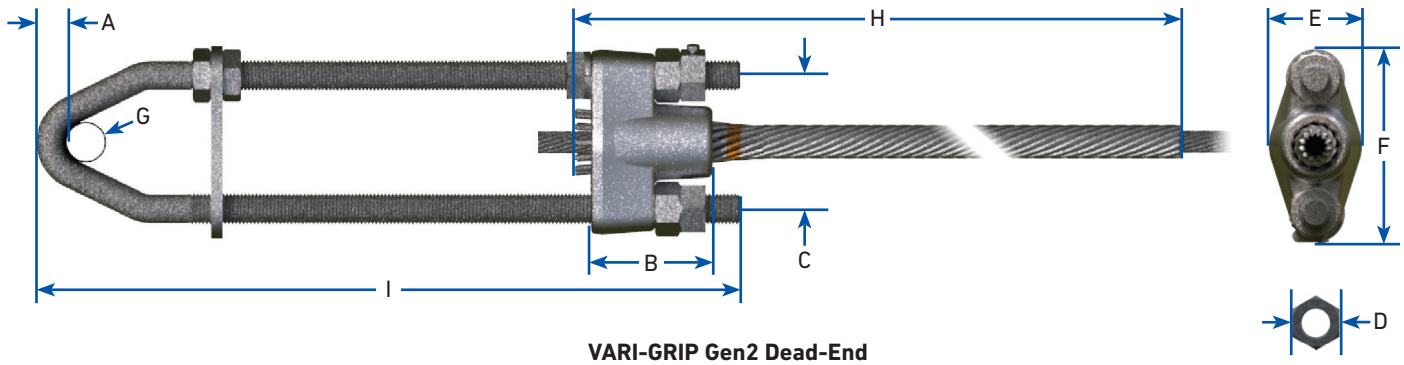
DIMENSIONS



VARI-GRIP Dead-End

VARI-GRIP™ Dead-End (Standard & Gen2 Designs) Dimensions

Strand Range	Dimensions										Design
	A	B	C	D	E	F	G	H	I (0 in)	I (18 in)	
	in										
0.438 – 0.500	5/8	3-1/4	3-1/4	1-1/16	3-17/32	4-3/4	15/16	See rod lengths in ordering information tables	N/A	29-9/16	Standard
0.546 – 0.661	3/4	3-1/2	3-9/16	1-1/8	2-3/16	5-3/16	19/32		11-11/16	28-5/16	
3/4, 13/16, 7/8	1	4-1/2	4-1/2	1-5/8	3-1/8	6-1/4	11-16		18-5/8	23-7/8	Gen2
0.744 – 0.914	1	4-1/2	4-3/4	1-1/2	3-5/16	6-11/16	5/8		12-11/16	33-3/16	Standard
0.915 – 1.034	1-1/8	4-15/16	5-3/8	1-5/8	3-5/8	7-5/8	3/4		14	33-1/2	
15/16, 1, 1-1/16, 1-1/8	1-1/8	4-1/3	5-1/2	1-31/32	3-3/4	7-5/8	7/8		26-3/4	27-15/16	Gen2
1.25 – 1.460	1-1/2	7-1/4	7-1/8	2-5/16	5-1/4	10-1/8	2-1/16		20-3/4	39-15/16	Standard
1.5 – 1.64	1-3/4	7-1/4	8-3/16	2-5/8	5-9/16	11-11/16	2-1/2		22-1/2	42-3/4	
1.78	1-3/4	8-3/4	8-3/16	2-5/8	6-5/8	12-3/8	2-1/2		22-1/2	42-3/4	



VARI-GRIP Gen2 Dead-End

ORDERING INFORMATION

Galvanized Steel Extra High-Strength Strand (Left-Hand Lay)

Catalog Number		Strand				U-Bolt Diameter	Rod per Set	Rod Length	Subset	Color Code	Rated Holding Strength	Design
		Nominal Size	Construction	Nominal Range in								
0" Take-Up	18" Take-Up	in		Minimum	Maximum	in		in			lb	
N/A	VG-18-2100	7/16	7W	0.438	0.438	5/8	11	27	3-4-4	Red	20,800	Standard
N/A	VG-18-2101	1/2	7W or 19W	0.459	0.500	5/8	12	30	3-3-3-3	Blue	26,900	
VG-0-2108	VG-18-2108	9/16	7W or 19W	0.559	0.563	3/4	11	28	3-4-4	Yellow	35,000	
VG-0-2102	VG-18-2102	5/8	7W or 19W	0.621	0.625	3/4	11	31	3-4-4	Black	42,400	
VG-0-2103BR	VG-18-2103BR	3/4	1 x 19	0.744	0.754	1	12	44	3-3-3-3	Orange	68,000	Gen2
VG-0-2104BR	VG-18-2104BR	7/8	1 x 19	0.878	0.888	1	13	58	3-3-3-4	Green	92,000	
VG-0-2105BR	VG-18-2105BR	1	1 x 31	1.000	1.010	1-1/8	14	66	3-3-4-4	Blue	122,000	
VG-0-2106BR	VG-18-2106BR	1-1/8	37W	1.125	1.125	1-1/8	14	95	3-3-4-4	Yellow	156,000	
VG-0-2107	VG-18-2107	1-1/4	37W	1.250	1.250	1-1/2	16	103	4-4-4-4	Red	162,000	Standard

Aluminum Clad Steel Strand (Left-Hand Lay)

Catalog Number		Strand			U-Bolt Diameter	Rod per Set	Rod Length	Subset	Color Code	Rated Holding Strength	Design
		Construction	Nominal Range in								
0" Take-Up	18" Take-Up		Minimum	Maximum	in		in			lb	
N/A	VG-18-3000	7#5	0.546	0.546	3/4	12	26	3-3-3-3	Yellow	27,030	Standard
N/A	VG-18-3100	19#9	0.572	0.572	3/4	11	28	3-4-4	Orange	34,290	
VG-0-3101	VG-18-3101	19#8	0.636	0.661	1	11	32	3-4-4	Black	42,240	
VG-0-3102	VG-18-3102	19#7	0.713	0.741	1	12	35	3-3-3-3	Yellow	51,730	
		37#10								52,950	
VG-0-3103BR	VG-18-3103BR	19#6	0.800	0.810	1	12	46	3-3-3-3	Green	61,700	Gen2
		37#9								66,770	
VG-0-3104BR	VG-18-3104BR	37#8	0.893	0.903	1	12	54	3-3-3-3	Yellow	84,200	
VG-0-3105BR	VG-18-3105BR	19#5	0.904	0.914	1	12	54	3-3-3-3	Yellow	73,350	
VG-0-3106BR	VG-18-3106BR	61#10	0.911	0.921	1-1/8	13	54	3-3-3-4	Yellow	87,290	
VG-0-3107BR	VG-18-3107BR	37#7	1.000	1.010	1-1/8	14	58	3-3-4-4	Green	100,700	
VG-0-3108BR	VG-18-3108BR	61#9	1.024	1.034	1-1/8	14	76	3-3-4-4	Purple	110,100	
VG-0-3109BR	VG-18-3109BR	37#6	1.130	1.130	1-1/8	14	86	3-3-4-4	Yellow	120,200	
VG-0-3110	VG-18-3110	61#8	1.160	1.160	1-1/2	14	98	3-3-4-4	Orange	138,800	Standard
VG-0-3111	VG-18-3111	37#5	1.270	1.270	1-1/2	16	105	4-4-4-4	Red	142,800	
VG-61#7-0	VG-61#7-18	61#7	1.300	1.300	1-1/2	16	106	4-4-4-4	Blue	166,100	
VG-61#6-0	VG-61#6-18	61#6	1.460	1.460	1-1/2	18	116	3-3-4-4-4	Green	198,100	
VG-61#5-0	VG-61#5-18	61#5	1.640	1.640	1-3/4	20	129	4-4-4-4-4	Orange	235,500	
VG-91#6-0	VG-91#6-18	91#6	1.780	1.780	1-3/4	18	165	3-3-4-4-4	Red	295,500	

ORDERING INFORMATION CONTINUED

Galvanized Steel Bridge Strand (Left-Hand Lay)

Catalog Number		Strand				U-Bolt Diameter	Rod per Set	Rod Length	Subset	Color Code	Rated Holding Strength	Design
		Nominal Size	Construction	Nominal Range								
				in								
0" Take-Up	18" Take-Up	in		Minimum	Maximum	in		in			lb	
VG-0-2103BR	VG-18-2103BR	3/4	1 x 19	0.750	0.750	1	12	44	3-3-3-3	Orange	68,000	Gen2
VG-0-4104BR	VG-18-4104BR	13/16	1 x 19	0.813	0.813	1	12	54	3-3-3-3	Red	80,000	
VG-0-2104BR	VG-18-2104BR	7/8	1 x 19	0.875	0.875	1	13	58	3-3-3-4	Green	92,000	
VG-0-4106BR	VG-18-4106BR	15/16	19W, 31W, or 37W	0.938	0.938	1-1/8	14	63	3-3-4-4	Black	108,000	
VG-0-2105BR	VG-18-2105BR	1	19W or 31W	1.000	1.000	1-1/8	14	66	3-3-4-4	Blue	122,000	
VG-0-4108BR	VG-18-4108BR	1-1/16	1 x 31	1.063	1.063	1-1/8	14	91	3-3-4-4	Green	138,000	
VG-0-2106BR	VG-18-2106BR	1-1/8	37W	1.125	1.125	1-1/8	14	95	3-3-4-4	Yellow	156,000	
VG-0-4109	VG-18-4109	1-3/16	1 x 37	1.187	1.187	1-1/2	15	99	3-4-4-4	Orange	172,000	Standard
VG-0-2107	VG-18-2107	1-1/4	1 x 43	1.250	1.250	1-1/2	16	103	4-4-4-4	Red	192,000	
VG-0-4110	VG-18-4110	1-5/16	1 x 43	1.313	1.313	1-1/2	17	107	3-3-3-3-3-2	Black	212,000	
VG-0-4111	VG-18-4111	1-3/8	1 x 43	1.375	1.375	1-1/2	17	110	3-3-3-3-3-2	Orange	232,000	
VG-0-4112	VG-18-4112	1-7/16	1 x 43	1.438	1.438	1-1/2	18	114	3-3-3-3-3-3	Green	252,000	
VG-0-4113	VG-18-4113	1-1/2	1 x43	1.500	1.500	1-3/4	16	119	3-3-3-3-2-2	Pink	276,000	

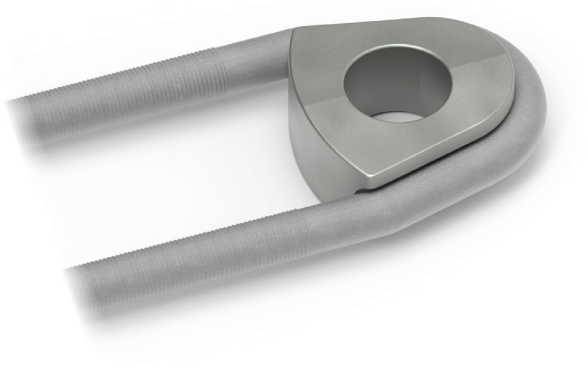
Galvanized Steel Bridge Strand (Right-Hand Lay)

Catalog Number		Strand				U-Bolt Diameter	Rod per Set	Rod Length	Subset	Color Code	Rated Holding Strength	Design
		Nominal Size	Construction	Nominal Range								
				in								
0" Take-Up	18" Take-Up	in		Minimum	Maximum	in		in			lb	
VG-0-5103BR	VG-18-5103BR	3/4	1 x 19	0.750	0.750	1	12	44	3-3-3-3	Orange	68,000	Gen2
VG-0-5104BR	VG-18-5104BR	13/16	1 x 19	0.813	0.813	1	12	54	3-3-3-3	Red	80,000	
VG-0-5105BR	VG-18-5105BR	7/8	1 x 19	0.875	0.875	1	13	58	3-3-3-4	Green	92,000	
VG-0-5106BR	VG-18-5106BR	15/16	19W, 31W, or 37W	0.938	0.938	1-1/8	14	63	3-3-4-4	Black	108,000	
VG-0-5107BR	VG-18-5107BR	1	19W or 31W	1.000	1.000	1-1/8	14	66	3-3-4-4	Blue	122,000	
VG-0-5108BR	VG-18-5108BR	1-1/16	1 x 31	1.063	1.063	1-1/8	14	91	3-3-4-4	Green	138,000	
VG-0-5109BR	VG-18-5109BR	1-1/8	1 x 37	1.125	1.125	1-1/8	14	95	3-3-4-4	Yellow	156,000	
VG-0-5110	VG-18-5110	1-3/16	1 x 37	1.187	1.187	1-1/2	15	99	3-4-4-4	Orange	172,000	Stan-dard
VG-0-5111	VG-18-5111	1-1/4	1 x 43	1.250	1.250	1-1/2	16	103	4-4-4-4	Red	192,000	
VG-0-5112	VG-18-5112	1-5/16	1 x 43	1.313	1.313	1-1/2	17	107	3-3-3-3-3-2	Black	212,000	
VG-0-5113	VG-18-5113	1-3/8	1 x 43	1.375	1.375	1-1/2	17	110	3-3-3-3-3-2	Orange	232,000	
VG-0-5114	VG-18-5114	1-7/16	1 x 43	1.438	1.438	1-1/2	18	114	3-3-3-3-3-3	Green	252,000	
VG-0-5115	VG-18-5115	1-1/2	1 x43	1.500	1.500	1-3/4	16	119	3-3-3-3-2-2	Pink	276,000	

ACCESSORIES

Conformal Castings

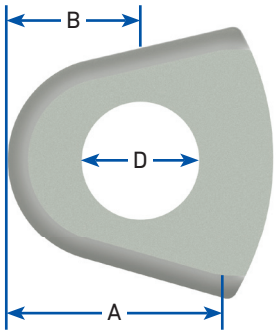
Conformal Casting are designed to help ensure the proper support of the U-bolt portion of VARI-GRIP™ Dead-Ends. They are made from galvanized ductile iron and are compatible with VARI-GRIP Dead-Ends designed for EHS strand, bridge strand, and aluminum-clad steel cables.

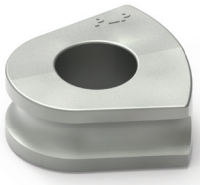


Conformal Castings

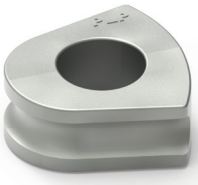
Catalog Number	Strand Size	U-Bolt Diameter	A	B	C	D
	in					
V1SBG	1-1/8" EHS, 1-1/4" EHS, 37#6, 61#8, 37#5, 61#7, 1" BS, 1-1/16" BS, 1-1/8" BS, 1-3/16" BS	1-1/2	5	2.75	2.875	2.875
V1TBG	61#6, 1-1/4" BS, 1-5/16 BS, 1-3/8" BS, 1-7/16" BS	1-1/2	5	3	2.875	3.125
V1VBG	61#5, 1-1/2" BS	1-3/4	5.844	3.75	3.375	3.625
V1WBG	91#6	1-3/4	5.844	4	3.375	3.875

NOTE: To be used with Standard VARI-GRIP Dead-End only. Gen2 VARI-GRIP Dead-Ends do not require this. (Supplied with Dead-Ends using 1-1/2" and 1-3/4" U-Bolts to assure proper support.





Catalog Number: V1SBG



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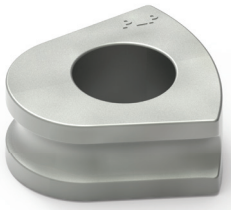
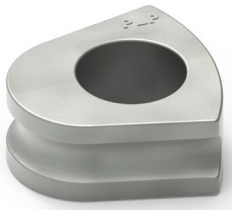


Catalog Number: V1VBG



Catalog Number: V1WBG

ACCESSORIES CONTINUED

VARI-GRIP™ Dead-End Link Plates

VARI-GRIP Dead-End Link Plates provide a reliable alternative to anchor shackles and are suitable for both single and multiple guy strand configurations. These assemblies feature a bolt, nut, and cotter pin design that delivers the same strength and security as traditional anchor shackles. Structural bolts are included to allow for adjustment when used with conformal castings or custom anchor plates. Constructed from hot-dip galvanized steel, the link plates are compatible with VARI-GRIP Dead-Ends designed for galvanized EHS and bridge strand applications.

VARI-GRIP Dead-End Link Plates

Catalog Number	Rated Holding Strength	Strand Size	U-Bolt Diameter	Thru Hole Diameter	Structural Bolt Diameter	Conformal Casting
	lb	in				
VLP-0600	42,400	7/16 EHS, 1/2 EHS, 9/16 EHS, 5/8 EHS	5/8 – 3/4	1	7/8	N/A
VLP-0601	80,000	3/4 EHS, 3/4 BS, 7/8 EHS, 13/16 BSS	1	1-1/2	1-1/4	N/A
VLP-0603	108,000	7/8 BS, 1 EHS, 15/16 BS	1-1/8	1-1/2	1-3/8	N/A
VLP-0605	156,000	1 BS, 1-1/16 BS, 1-1/8 EHS, 1-1/8 BS	1-1/2	1-7/8	1-3/4	Yes
VLP-0606	192,000	1-3/16 BS, 1-1/4 EHS, 1-1/4 BS	1-1/2	2-3/8	2	Yes
VLP-0607	252,000	1-5/16 BS, 1-3/8 BS, 1-7/16 BS	1-3/4	2-3/8	2-1/4	Yes

NOTE: Smaller bolts in the plate assemblies are not to be removed under any circumstances.

Catalog Number: VLP-0600

Catalog Number: VLP-0601

Catalog Number: VLP-0603

Catalog Number: VLP-0605

Catalog Number: VLP-0606

Catalog Number: VLP-0607

INSULIGN® GUY STRAIN INSULATOR
FIBERGLASS

The **INSULIGN Guy Strain Insulator** series is intended for use with down guys or pole-to-pole guys on overhead lines. The insulative fiberglass rod electrically isolates the guy strand and provides electrical clearance for maintenance crews and the public during normal operation.

Compared to porcelain strain-type insulators, PLP's fiberglass guy strain insulators provide a greater insulative distance which minimizes the potential and severity of dry and wet flashover. Fiberglass guy strain insulators provide a more durable solution compared to conventional porcelain insulators. INSULIGN Guy Strain Insulators utilize a proprietary veiled fiberglass rod that allows for superior performance when exposed to UV conditions.

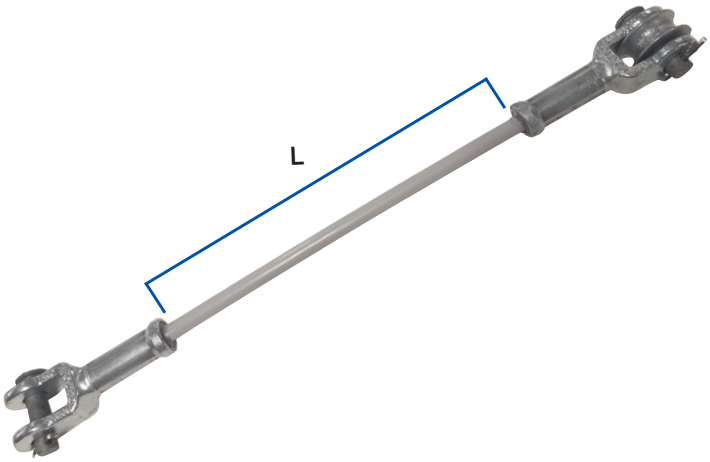
FEATURES AND BENEFITS

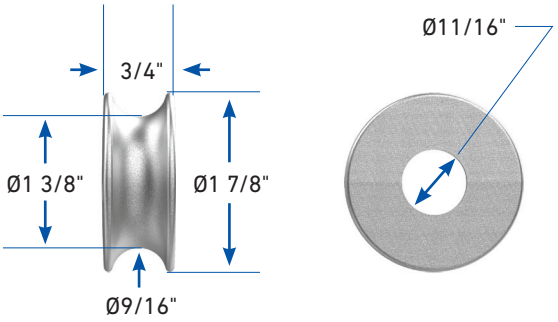
- Veiled fiberglass rod provides superior UV protection
- Crimped end fittings are designed to assure consistent, high-performance holding strength
- Manufactured, tested, and verified to meet PLP's high-quality standards.
- Hardware is hot-dipped galvanized per ASTM A153 or ASTM A123

SPECIFICATIONS

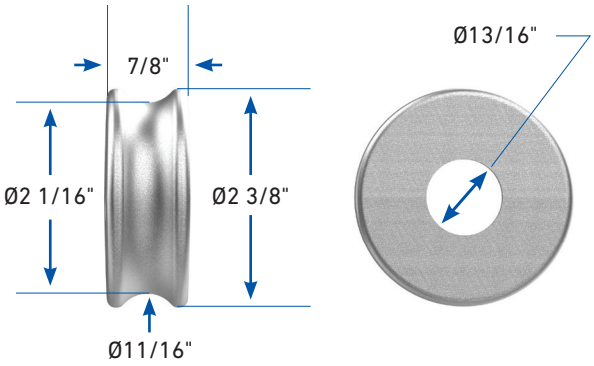
Rated Strength (lbs): 16k, 21k, 30k, and 36k

INSULIGN® Guy Strain Insulators - Fiberglass includes two cable storage brackets and two pairs of hanger brackets. Cable straps and cable protection kits are optional.





16K and 21K Roller



30K and 36K Roller

ORDERING INSTRUCTIONS

GSF XX - XX XX
(Section 1) (Section 2) (Section 3) (Section 4)

Section 1

Standard designation for Guy Strains - Fiberglass

Section 2

Load Rating	
16	16K
21	21K
30	30K
36	36K

Section 3

Insulative Length "L" of Fiberglass	
12	12"
18	18"
24	24"
36	36"
42	42"
54	54"
78	78"
96	96"
120	120"
144	144"

Custom lengths available, contact PLP® for more information.

Section 4

Fitting Combinations	
CC	Clevis/Clevis
CCR	CCR Clevis/Clevis with Roller
RR	Clevis/Clevis with 2 Rollers
CTE	Clevis/Thimble-Eye
CTR	Clevis/Thimble-Eye with Roller
*CE	Clevis Eye

*Only available with 16 K and 21 K INSULIGN Guy Strain Insulators

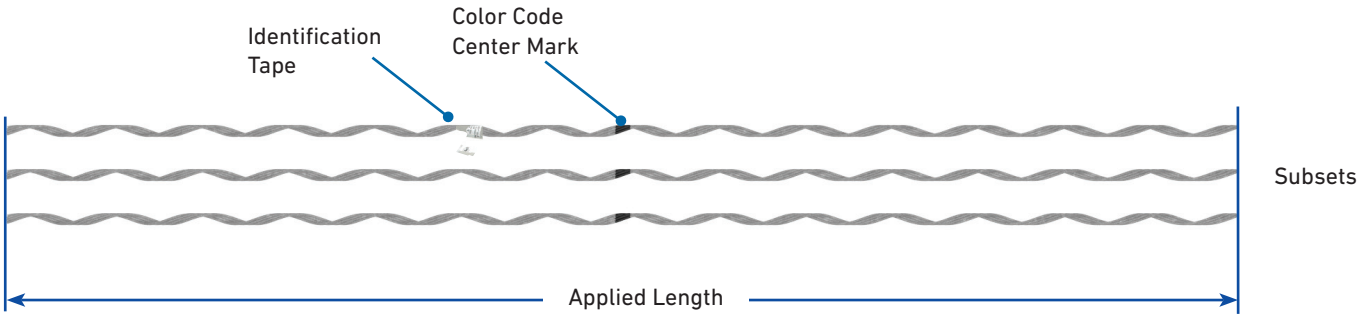
STRAND SPLICE

The **Strand Splice** is designed to connect or repair guy wire and messenger strand. It provides a holding strength equal to the rated breaking strength of the strand to which it is applied. When used for repairs, the splice is positioned directly over the damaged section, effectively restoring the full tensile strength of the wire or strand.

FEATURES AND BENEFITS

- Manufactured from materials that match the strand to prevent corrosion and meet strength requirements
- Applies uniform radial pressure to the messenger strand, minimizing the risk of damage
- Engineered to maintain 100% of the strand's published rated breaking strength
- Color-coded for quick and easy identification in the field
- Installs easily without the need for tools
- Refer to the Ordering Information for compatibility with specific messenger sizes and types

SPECIFICATIONS



Strand Splice

Characteristics	Description
Applied Length	Assists in identification of conductor size, corresponding to tabular information appearing on catalog pages
Subsets	Individual rods assembled and gritted into groups. The number of subsets per splice corresponds to the tabular information appearing on the catalog pages
Identification Tape	Shows catalog number, nominal sizes
Color Code Center Mark	Establishes recommended alignment of strand size, corresponding to tabular information appearing on catalog page

ORDERING INFORMATION

Strand Splice for use on Galvanized Steel

Catalog Number	Strand			Color Code	Number of Subsets	Units per Carton	Weight per Carton
	Size	Construction	Actual Diameter				
	in		in				lb
GLS-2102	3/16	7W 7W	.195 .186	Red	2	100	30
GLS-2103	7/32	7W	.216	Green		100	36
GLS-2104	1/4	3W 7W	.259 .240	Yellow		50	34
GLS-2105	9/32	7W	.279	Blue		50	36
GLS-2106	5/16	3W 7W	.312 .327	Black	3	50	46
GLS-2107	3/8	3W 7W	.356 .360	Orange		25	38
GLS-2108	7/16	7W	.435	Green		25	58
GLS-2109	1/2	7W 19W	.495 .500	Blue		10	36
GLS-2110	9/16	7W 19W	.564 .565	Yellow	4	10	52

NOTES:

1 Left-hand lay standard.

2 Rated holding strengths are 100% of the published rating of the strand.

3 Consult PLP for availability and sizes not shown.

ORDERING INFORMATION CONTINUED

Strand Splice for use on Mischmetal Alloy (AL/ZN) Strand

Catalog Number	Strand			Color Code	Number of Subsets	Units per Carton	Weight per Carton
	Size	Construction	Actual Diameter				
	in		in				lb
BLS-9102	3/16	7W	.186	Red	2	100	30
BLS-9104	1/4	3W 7W	.240	Yellow		50	34
BLS-9106	5/16	3W 7W	.312	Black	3	50	46
BLS-9107	3/8	3W 7W	.360	Orange		25	38
BLS-9108	7/16	7W	.435	Green		25	57
BLS-9109	1/2	7W 19W	.495	Blue		10	34

NOTES:

1 Left-hand lay standard.

2 Rated holding strengths are 100% of the published rating of the strand.

3 Consult PLP for availability and sizes not shown.

4 PLP mischmetal formed wire products are acceptable for use with Bezinal® and Galfan® coated strands.

Bezinal® is a registered trademark of the Bekaert Corporation.

Galfan® is a registered trademark of the Galfan Technology Centre, LLC.

Strand Splice for use on Aluminum Clad Steel

Catalog Number	Strand		Color Code	Number of Subsets	Units per Carton	Weight per Carton
	Construction	Mean Diameter				
		in				lb
AWLS-4102	3#12	.174	Orange	2	50	12
AWLS-4108	4M 3#10	.220 .220	Green	2	50	22
AWLS-4110	3#9 6M 1/4"	.247 .242 .242	Yellow	2	50	24
AWLS-4113	3#8 9/32" 8M	.277 .272 .272	Blue	3	50	30
AWLS-4116	3#7 10M 5/16"-7#10	.311 .306 .306	Black		50	34
AWLS-4119	3#6 12.5M 11/32"-7#9	.349 .343 .343	Yellow		50	46
AWLS-4120	3#12	.363	Blue		25	32
AWLS-4122	4M 3#10	.392 .385 .386	Orange		25	34
AWLS-4124	3#9 6M 1/4"	.417	Black		25	45
AWLS-4125	3#8 9/32" 8M	.433	Green		25	55
AWLS-4126	20M	.444	Yellow		10	30

NOTES:

1 Left-hand lay standard.

2 Rated holding strengths are 100% of the published rating of the strand.

3 Consult PLP for availability and sizes not shown.

ORDERING INFORMATION CONTINUED

Strand Splice for use on Copperweld®

Catalog Number	Strand		Color Code	Number of Subsets	Units per Carton	Weight per Carton
	Size	Mean Diameter				
	in	in				lb
CLS-8100	2.2M	.164	Orange	2	50	12
CLS-8102	3#12	.174	Red	2	50	14
CLS-8106	4M	.209	White	2	50	20
CLS-3101	3#10	.220	Green	2	50	28
CLS-3103	3#9 6M	.247 .237	Yellow	2	50	28
CLS-3104	6M3	.258	White	3	50	32
CLS-3106	8M 3#8	.276 .277	Blue	3	50	36
CLS-3109	10M 7#10 5/16" 3#7	.303 .306 .311	Red	3	50	40
CLS-3112	7#9 11/32" 12.5M 3#6	.343 .345 .349	Green	3	50	58
CLS-3113	14M	.360	Blue	3	25	38
CLS-3115	7#8 8" 16M 3#5	.385 .386 .392	White	3	25	40
CLS-3117	18M	.414	Orange	3	25	56
CLS-3118	20M 7#7 7/16"	.438 .433	Yellow	3	10	28
CLS-3121	7#6 1/2"	.486	Blue	3	10	38
CLS-3123	25M	.525	Green	3	10	52
CLS-3124	7#5 /16"	.546	Yellow	3	10	54

NOTES:

1 Left-hand lay standard.

2 Rated holding strengths are 100% of the published rating of the strand.

3 Consult PLP for availability and sizes not shown.

4 Copperweld® is a registered trademark of the Copperweld Co.

ORDERING INFORMATION CONTINUED

Strand Splice for use on Stainless Steel Strand (Type 302, 403, or 316)

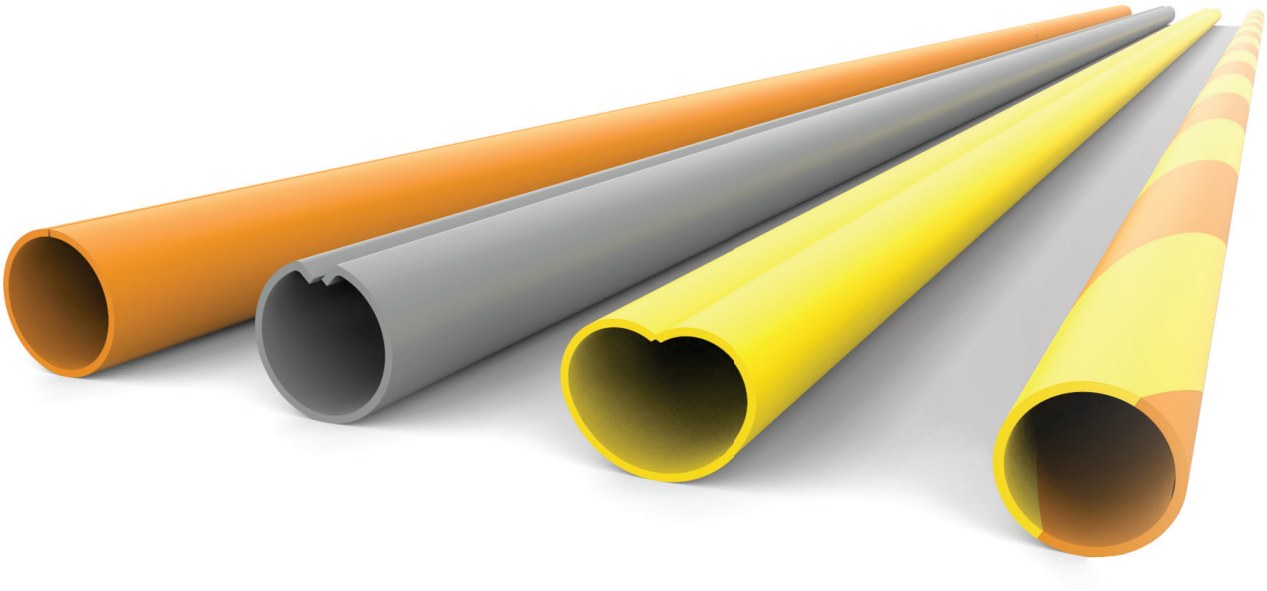
Catalog Number	Strand		Color Code	Number of Subsets	Units per Carton	Weight per Carton
	Size	Mean Diameter				
	in	in				lb
SLS-5101	7/32, 3W, 7W	.164	Orange	2	50	12
SLS-5102	1/4, 3W, 7W	.174	Red	2	50	14
SLS-5103	9/32, 7W	.209	White	2	50	20
SLS-5104	5/16, 7W	.220	Green	2	50	28
SLS-5105	3/8, 3W, 7W	.247 .237	Yellow	2	50	28
SLS-5106	7/16, 7W	.258	White	3	50	32
SLS-5107	1/2, 7W	.276 .277	Blue	3	50	36
SLS-6101	7/32, 3W, 7W	.303 .306 .311	Red	3	50	40
SLS-6102	1/4, 3W, 7W	.343 .345 .349	Green	3	50	58
SLS-6103	9/32, 7W	.360	Blue	3	25	38
CLS-6104	5/16, 7W	.385 .386 .392	White	3	25	40
CLS-6105	3/8, 3W, 7W	.414	Orange	3	25	56

NOTES:

1 Left-hand lay standard.

2 Rated holding strengths are 100% of the published rating of the strand.

3 Consult PLP for availability and sizes not shown.



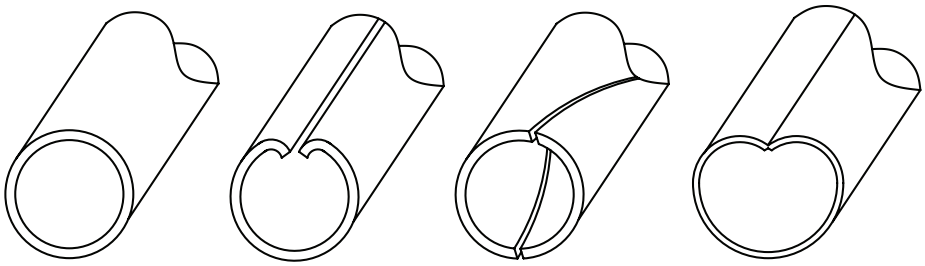
GUY MARKERS

PLP's Guy Markers are designed to increase the visibility and safety of down guys and other exposed wire or cable in areas with pedestrian or vehicular traffic. These industry-leading markers help prevent accidental contact by clearly identifying guy wires in both daylight and low-light conditions. PLP's Guy Markers are available in four distinct styles—**Standard, Economy, Wrap-Around, and Universal**—with six different attachment options and multiple colors to suit a variety of applications.

FEATURES AND BENEFITS

- Made from lightweight yet durable Polyethylene or PVC
- Integrated with premium UV inhibitors to withstand outdoor exposure
- Installs in seconds on down guys ranging from 3/16" to 5/8" (4.7 mm – 15.9 mm)
- Reflective stripe option enhances nighttime visibility
- 8-foot length; available in one- or two-piece designs
- Multiple shipping options, including boxes, bags, or bulk pallets

TUBE PROFILES



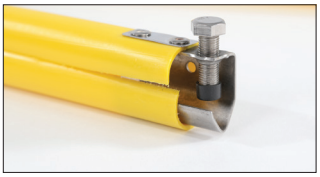
Round | "B" | Two-Piece Spiral | Round-Overlapping

ATTACHMENT TYPES

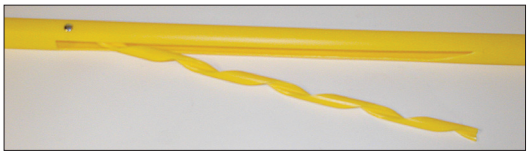
Type	Abbreviation	Description
LOOP LOCK® Pin	LLP	Patented anti-vandalism locking pin used in combination with GUY-GRIP® Dead-Ends. Secure and tamper-resistant; re-installable with a new pin (supplied separately).
Universal Cable Tie	UCT	Positive locking device designed to deter vandalism. Recommended for dead-end hardware that restricts the use of the LOOP LOCK Pin.
Stainless Steel Clamp	SC	Riveted clamp with 9/16" bolt. Quick and easy attachment that allows for application flexibility with top or bottom installation.
Helical Pigtail	PT	High-strength, integral attachment used in conjunction with the Short Lock Strap or Cable Tie. Attached to the guy marker tube and wraps onto the strand with a unique one-way slip down motion for ease of installation. Resists upward motion after installation.
Short Lock Strap	SLS	Used in combination with the Helical Pigtail to help deter vandalism.
Cable Tie	CT	Alternative to the Short Lock Strap when hardware restricts its application.

LOOP LOCK® Pin

Universal Cable Tie

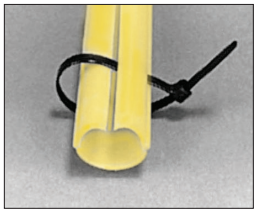


Stainless Steel Clamp



Integral Helical Pigtail

Short Lock Strap



Cable Tie Attachment

STANDARD GUY MARKER

The original plastic guy marker. Invented by PLP in the 1970s, this high-quality, lightweight guard is still the industry standard for enhancing down guy visibility. Recommended for use on strands sized 3/16" to 1/2".

ORDERING INFORMATION

Standard Guy Marker

Catalog Number	Color	Material	Tube Profile	Tube OD		Attachment Type	Units per Carton	Weight per Carton
				in	mm			lb
PG-5718	Yellow	Polyethylene	Round	1.5	38	PT/SLS	25	39
PG-5718P	Yellow	Polyethylene	"B"	1.5	38	PT/CT	25	35
PG-5518	Yellow	PVC	Round	1.5	38	PT/SLS	25	33
PGMS3921	Yellow	Polyethylene	Round	1.5	38	UCT	25	33
PGMS4072	Yellow	Polyethylene	"B"	1.5	38	UCT	25	35
PG-5405	Yellow	Polyethylene	Round	1.5	38	LLP	25	36
PG-5423	Yellow	Polyethylene	"B"	1.5	38	LLP	25	33
PG-5462	Yellow	Polyethylene	"B"	1.5	38	2 LLP	25	36
RPG-5618	Yellow/ Reflective Tape	PVC	Round	1.5	38	PT/SLS	25	33
RPGMS12030	Yellow/ Reflective Tape	Polyethylene	"B"	1.5	38	UCT	25	36
RPGMS10469	Yellow/ Reflective Tape	Polyethylene	"B"	1.5	38	LLP	25	36
PG-5738	Orange	Polyethylene	Round	1.5	38	PT/SLS	25	34
PG-5708	Gray	Polyethylene	Round	1.5	38	PT/SLS	25	34
PG-5708P	Gray	Polyethylene	"B"	1.5	38	PT/CT	25	36
PGMS7578	Yellow	Polyethylene	Round	2	51	PT/SLS	25	49
PG-6500	Yellow	Polyethylene	Round	2	51	None	25	34
PG-6600	Orange	Polyethylene	Round	2	51	None	25	34
PG-6500SC	Yellow	Polyethylene	Round	2	51	SC	25	42
PG-6600SC	Orange	Polyethylene	Round	2	51	SC	25	42
PG-6500PIN	Yellow	Polyethylene	Round	2	51	LLP	25	39
PG-6600PIN	Orange	Polyethylene	Round	2	51	LLP	25	39
PG-6500TIE	Yellow	Polyethylene	Round	2	51	UCT	25	38
PG-6600TIE	Orange	Polyethylene	Round	2	51	UCT	25	38

EN-CA-1036

ECONOMY GUY MARKER

Featuring the same high-quality and premium materials as PLP's Standard Guy Markers, with a simplified and cost-effective one-piece design. Easily installs on strands sized 3/16" to 1/2".

ORDERING INFORMATION

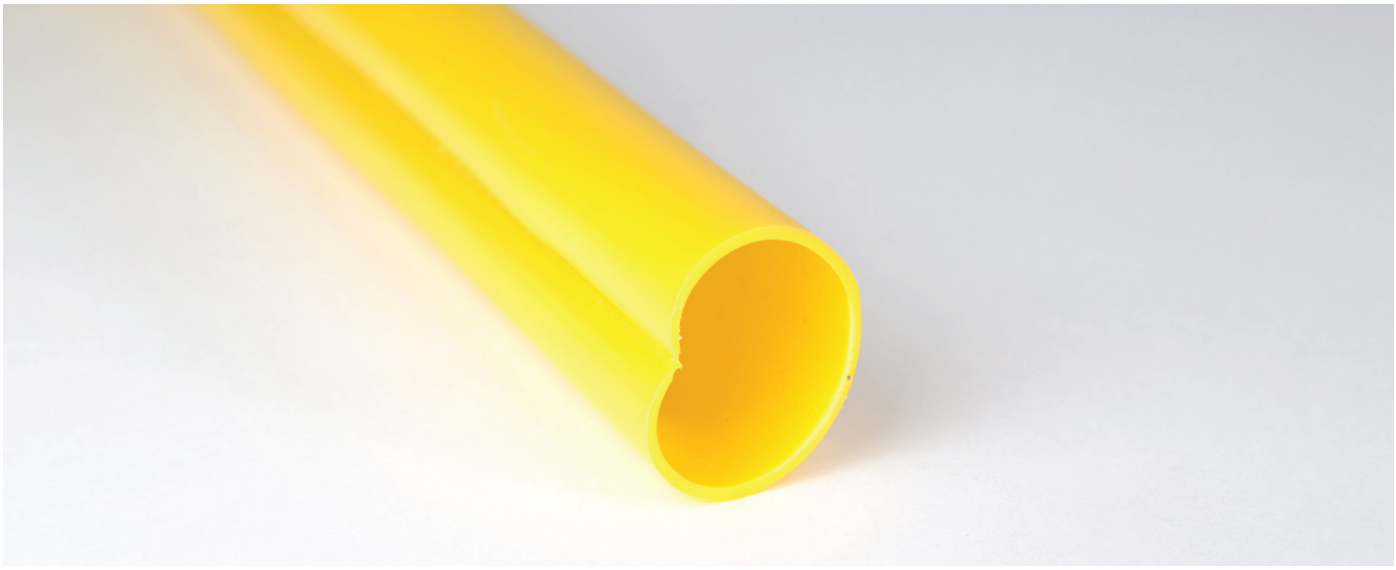
Economy Guy Marker

Catalog Number	Color	Material	Tube Profile	Tube OD		Attachment Type	Carton Information	
				in	mm		Units	Wt./lb.
PG-5414	Yellow	Polyethylene	Round	1.25	32	LLP	25	32
PG-5411	Gray	Polyethylene	Round	1.25	32	LLP	25	32
PGMS4988	Yellow	Polyethylene	Round	1.25	32	None	30	38
PGMS3830	Orange	Polyethylene	Round	1.25	32	None	30	38
PGMS9838	Yellow	Polyethylene	Round	1.25	32	UCT	30	39

NOTE: Package options: Bagged – add suffix code B; Bulk – add suffix code BULK

WRAP-AROUND GUY MARKER

Features an innovative design that wraps around the strand in seconds during installation to provide marker security and visibility. Available in a larger 2.75" diameter profile ideal for covering an exposed anchor. Recommended for use on strands sized 3/16" to 5/8".



ORDERING INFORMATION

Wrap-Around Guy Marker

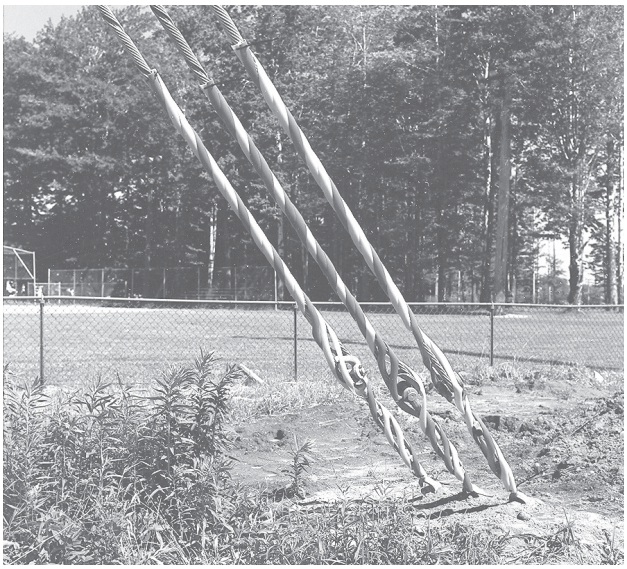
Catalog Number	Color	Material	Tube Profile	Tube OD		Attachment Type	Carton Information	
				in	mm		Units	Wt./lb.
PG-6000	Yellow	Polyethylene	Round-Overlapping	1.5	38	None	25	32
PG-6000PIN	Yellow	Polyethylene	Round-Overlapping	1.5	38	LLP	25	32
PG-6000SC	Yellow	Polyethylene	Round-Overlapping	1.5	38	SC	25	32
PG-6000TIE	Yellow	Polyethylene	Round-Overlapping	1.5	38	UCT	25	32
PG-6100	Orange	Polyethylene	Round-Overlapping	1.5	38	None	25	32
PG-6100PIN	Orange	Polyethylene	Round-Overlapping	1.5	38	LLP	25	32
PG-6100SC	Orange	Polyethylene	Round-Overlapping	1.5	38	SC	25	32
PG-6100TIE	Orange	Polyethylene	Round-Overlapping	1.5	38	UCT	25	32
PG-6700	White	Polyethylene	Round-Overlapping	1.5	38	None	25	32
PG-6700PIN	White	Polyethylene	Round-Overlapping	1.5	38	LLP	25	32
PG-6700SC	White	Polyethylene	Round-Overlapping	1.5	38	SC	25	32
PG-6700TIE	White	Polyethylene	Round-Overlapping	1.5	38	UCT	25	32
PG-8000	Yellow	Polyethylene	Round-Overlapping	2.75	70	None	15	34
PG-8000PIN	Yellow	Polyethylene	Round-Overlapping	2.75	70	LLP	15	34
PG-8000SC	Yellow	Polyethylene	Round-Overlapping	2.75	70	SC	15	34
PG-8000TIE	Yellow	Polyethylene	Round-Overlapping	2.75	70	UCT	15	34
PG-8100	Orange	Polyethylene	Round-Overlapping	2.75	70	None	15	34
PG-8100PIN	Orange	Polyethylene	Round-Overlapping	2.75	70	LLP	15	34
PG-8100SC	Orange	Polyethylene	Round-Overlapping	2.75	70	SC	15	34
PG-8100TIE	Orange	Polyethylene	Round-Overlapping	2.75	70	UCT	15	34
PG-8600	White	Polyethylene	Round-Overlapping	2.75	70	None	15	34
PG-8600PIN	White	Polyethylene	Round-Overlapping	2.75	70	LLP	15	34
PG-8600SC	White	Polyethylene	Round-Overlapping	2.75	70	SC	15	34
PG-8600TIE	White	Polyethylene	Round-Overlapping	2.75	70	UCT	15	34

NOTE: For different lengths, attachments, and/or the addition of reflective tape, contact your PLP representative or PLP.

EN-CA-1036

UNIVERSAL GUY MARKER

Unique two-piece design offers additional coverage options. In addition, an alternating color option helps provide increased visibility for many guying or cable applications. Special installation techniques can provide coverage for over 1" diameter applications.

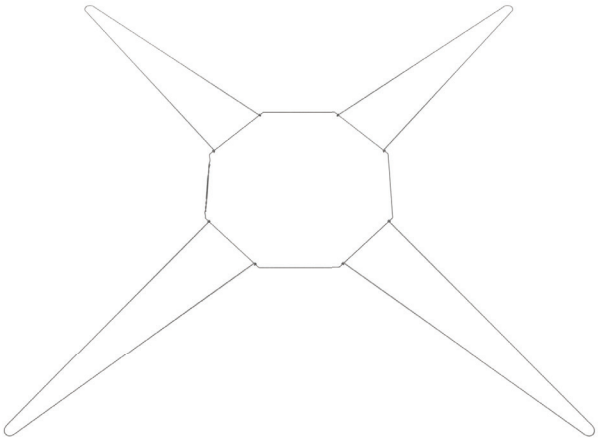


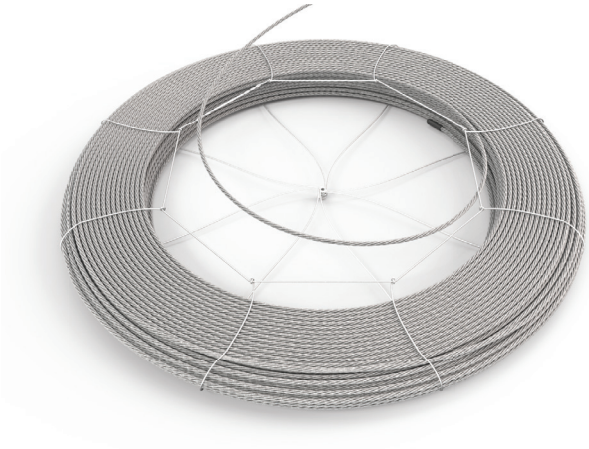
ORDERING INFORMATION

Universal Guy Marker

Catalog Number	Color	Material	Tube Profile	Tube OD		Attachment Type	Units per Carton	Weight per Carton
				in	mm			lb
PG-5750	Orange/Yellow	Polyethylene	Two-Piece Spiral	1.25	32	2-UTC	30	31
PG-5752	Orange	Polyethylene	Two-Piece Spiral	1.25	32	2-UTC	30	31

NOTE: For different lengths, attachments, and/or the addition of reflective tape, contact your PLP representative.





SAFETY GUY-WIRE DISPENSER

The **Safety Guy-Wire Dispenser** is designed to provide an efficient and safe method for paying out strand. Compatible with guy wire, wire rope, cable, conductor, and similar strand materials, it helps control payout and eliminates the risk of hazardous “runaway” coil ends.

FEATURES AND BENEFITS

- Lightweight and easy to transport
- Allows single-person strand payout
- Streamlines inventory management
- Enhances safety and efficiency in coil handling
- Prevents hazardous “runaway” coil ends
- Compact design conserves truck space
- Designed for one-time use

ORDERING INFORMATION

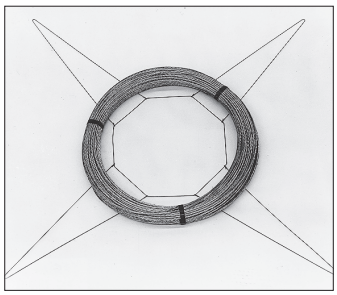
Safety Guy-Wire Dispenser

Catalog Number	Standard Carton Quantity	Typical Size Coils Accommodated	Leg Length in (mm)	Wire Size
SGD-0700 (Standard Size)	50	500 ft 7/16" 250 ft 1/2" Strand 23" by 9" Triplex Coils	24 (610)	14 gauge
SGD-0701 (Jumbo Size)	25	500 ft 1/2" Strand	30 (762)	12 gauge

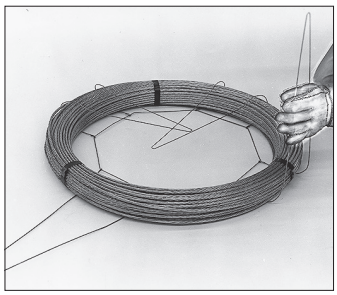
NOTES:

1 Accommodates any size coil, provided about 2" of the end of each leg can be twisted.
2 The size coil each unit can encompass depends upon the coil's girth, which is the combined diameter and width x 2. The Standard Unit will accommodate a girth up to 63". The Jumbo Unit will accommodate a girth up to 75".
3 The Standard Unit is designed to withstand a 15-foot free-fall impact of a 200 lb coil. The Jumbo Unit will withstand a free-fall impact of a 300 lb coil.

USAGE



1. Fold out the legs.



2. Bend the legs over the coil.

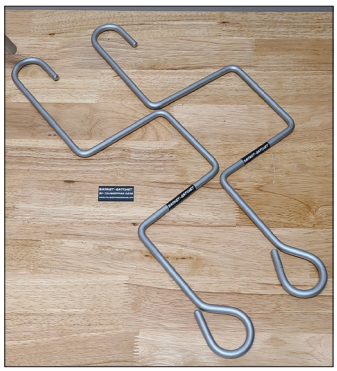
3. Twist at least 2" of the legs together until the wire cage is tight.

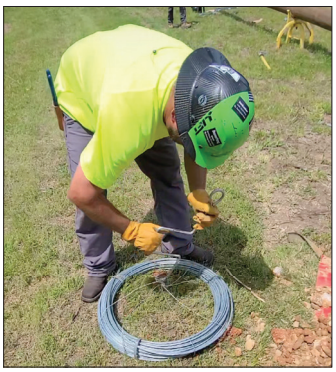
4. Turn the wire cage over and pay-out from the open side. Tuck the end back into the cage.

Basket Ratchet Tool

To twist the legs of the wire cage together, a screwdriver may be used. Another helpful tool is the Basket Ratchet by Journeyman Gear.

Visit **journeymangearhq.com/shop/ols/products/basket-ratchet-by-journeyman-gear** to learn more.





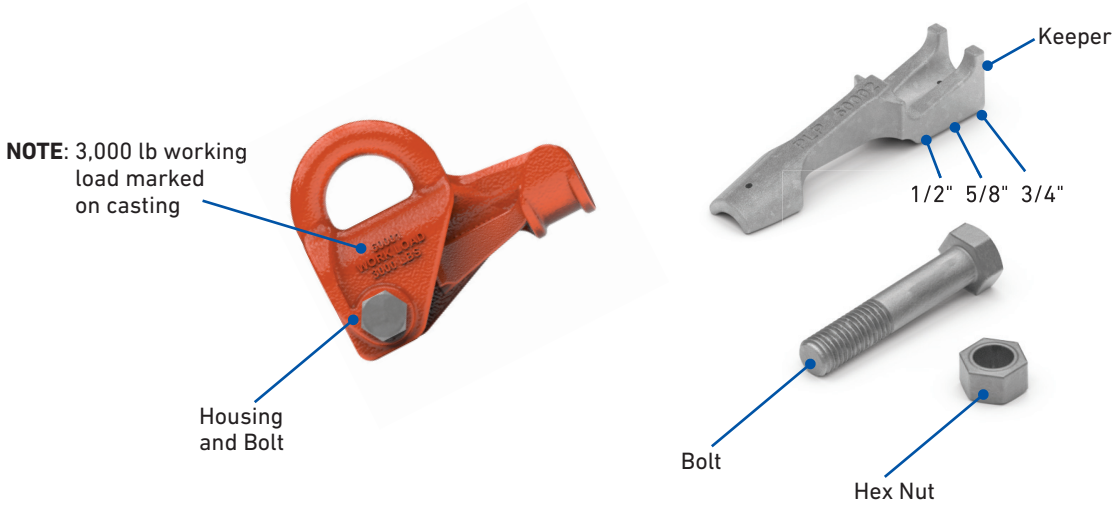
PULLING EYE

The **Pulling Eye** is designed to ensure safe and efficient installation of dead-ends at the anchor rod. Compatible with a variety of dead-end types, it is made from durable, corrosion-resistant nodular iron and built for repeated use. The large, offset eye allows the hook of a chain hoist to be positioned safely to the side, creating a clear, uncrowded workspace for easier and more secure dead-end applications.

FEATURES AND BENEFITS

- Installs around the anchor hardware in seconds
- Adjustable to fit various rod sizes
- Engineered to withstand a working load of up to 3,000 lbs
- High-visibility orange vinyl coating offers weather resistance, handling protection, and easy identification
- Provides a safe and efficient pulling point at the anchor for dead-end installation (move to first position)

COMPONENTS



Component	Material/Description
Keeper	Cast of high-strength aluminum alloy, To be used with 1/2", 5/8", and 3/4" anchor rods (see Components above). For 1" and 1-1/4" anchor rods, the Pulling Eye is used without the keeper. Housing Constructed of corrosion-resistant nodular iron, used with the keeper for small anchor rods and without the keeper for 1" and 1-1/4" anchor rods.
Bolt	Made of specially heat treated extra-high-strength steel, and is identified by the industry mark on its head
Hex Nut	Galvanized steel

CAUTION: The Pulling Eye must be secured with the nut and bolt on every installation.

NOTES:

1 The bolt is made of heat-treated extra-high-strength steel, and is identified by the industry mark on its head. Any replacement should be of the same quality.

2 3,000 lb working load is based on a 5 to 1 safety factor.

ORDERING INFORMATION

Pulling Eye

Catalog Number	Description	Standard Carton
PE-0300	Pulling Eye	4 Units

Replacement Parts

Catalog Number	Description	Standard Carton
PE-A-0002	Pulling Eye Keeper	As Required
PE-B-2019	Pulling Eye Bolt	As Required
PE-C-0607	Pulling Eye Nut	As Required

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