



BIG-GRIP DEAD-END FOR PHILLYSTRAN® STRUCTURAL GUYS

INSTALLATION INSTRUCTIONS



IMPORTANT SAFETY INFORMATION

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

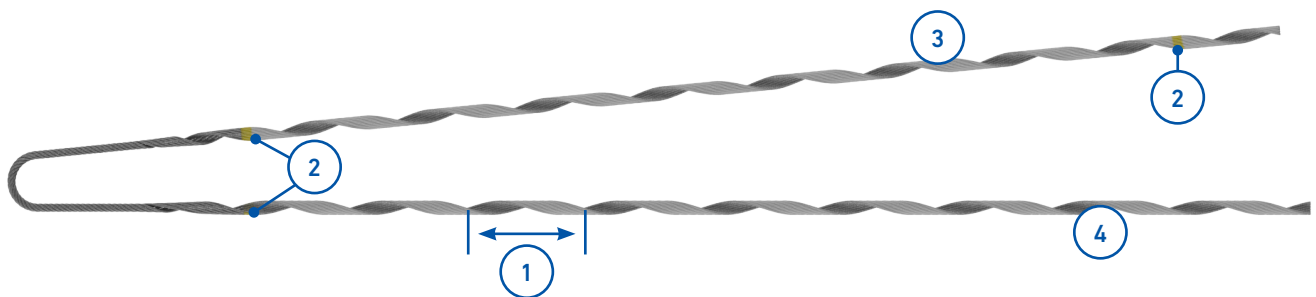
This product is intended for use by trained technicians only. This product should not be used by anyone who is not familiar with and not trained to use it. When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment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

WARNING

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

CHARACTERISTICS

Lay direction is right-hand lay



1. Pitch Length
(equals one complete wrap)
2. Color Code and Crossover Marks
3. Short Leg
4. Long Leg
5. Identification Tab (Not shown)

INSTALLATION GUIDELINES

CAUTION

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

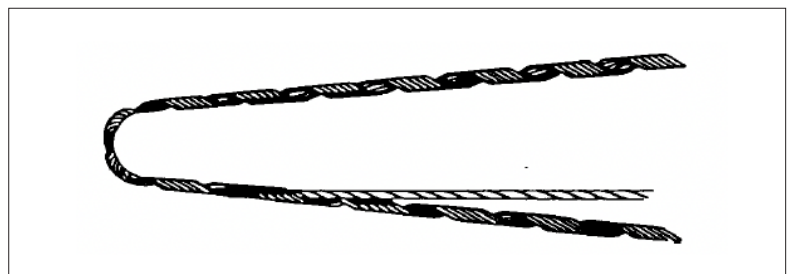
CAUTION

Big-Grip Dead-Ends must not be used as tools; for example, come-alongs or pulling-in grips.

- Big-Grip Dead-Ends are precision devices. To ensure a tight assembly, they should be handled carefully. To prevent distortion and damage, they should be installed as illustrated.
- Big-Grip Dead-Ends should be stored in cartons under cover, preferably shelf storage, until used.
- Care should be taken to avoid gouging or damaging the corrosion preventative material when using aluminum-clad steel or copper covered steel strand.
- Big-Grip Dead-Ends should be used **ONLY** on the size and type of strand for which they were designed.
- Big-Grip Dead-Ends must have the same lay direction as the strand to which they are applied.
- Big-Grip Dead-Ends should not be used on hardware which allows the strand to rotate or spin about its axis, such as a swivel.
- Big-Grip Dead-Ends should not be applied with tools. They should be applied by hand. However, a screwdriver may be used as an aid in splitting the legs as shown in Step 4.
- When splitting the legs, do not make more than two subsets (split sections) from each leg.
- Big-Grip Dead-Ends may be removed and reapplied two times, if necessary, for the purpose of re-tensioning guys.
- If removal is necessary after a Big-Grip Dead-End has been installed for a period greater than three months, it should be replaced with a new one.
- Big-Grip Dead-Ends are designed to be applied over smoothly contoured hardware. The dimensions of this hardware for various size of Big-Grip Dead-Ends are listed in the Appendix.
- Heavy-Duty-Type Cable Thimbles, if used, can collapse when guy tensions are high. If thimbles are used in the loop of the Big-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 (See Appendix).
- If in doubt about fittings or applications, contact your factory representative for an engineering recommendation.

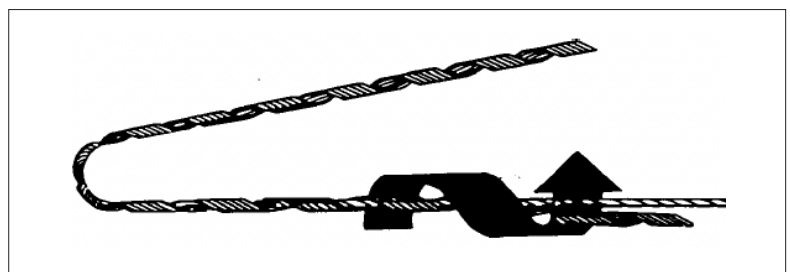
1

Position the PHILLYSTRAN® at the Big-Grip Dead-End's crossover mark. Apply the first leg on the PHILLYSTRAN and begin wrapping until the first two pitches lengths are applied.

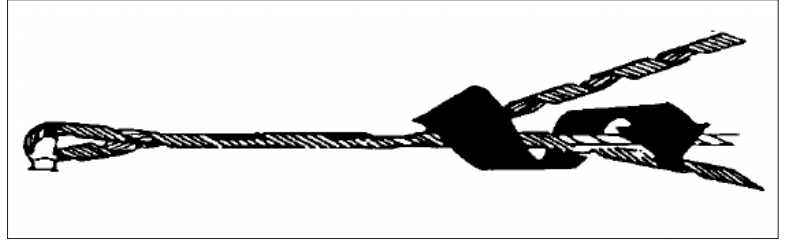


2

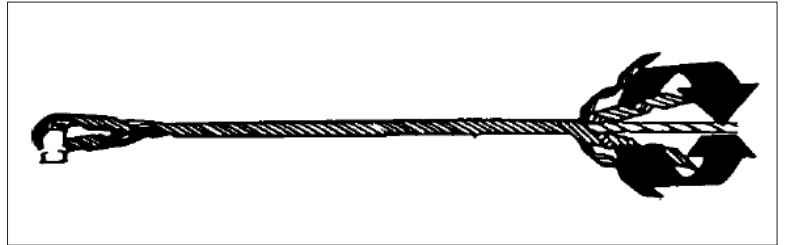
Position the second leg at the crossover mark and apply it on the PHILLYSTRAN, wrapping it to the point where leg one is located.



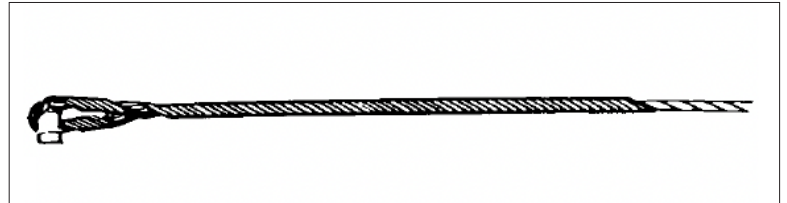
- 3 Continue to wrap both legs of the Big-Grip Dead-End **simultaneously**.



- 4 To facilitate ease of application, split the last two pitch lengths of both legs into two subsets each, and apply to completion.



- 5 Completed application. (Be sure that all rod ends are snapped into place).



APPENDIX

Hardware Accessories Dimensions

Strand Diameter	Nominal Strand	Seat Dimensions		Minimum Groove Diameter	Minimum Hardware Hole Diameter
		in			
in	in	Minimum	Maximum	in	in
0.174 - 0.203	3/16	1	1-3/4	1/4	3/8
0.204 - 0.230	7/32	1-1/8	1-3/4	5/16	3/8
0.231 - 0.259	1/4	1-1/8	1-3/4	5/16	7/16
0.260 - 0.291	9/32	1-1/8	1-3/4	3/8	1/2
0.292 - 0.336	5/16	1-1/4	1-3/4	3/8	9/16
0.337 - 0.394	3/8	1-3/8	2-3/8	7/16	5/8
0.395 - 0.474	7/16	1-3/8	2-3/8	1/2	11/16
0.475 - 0.515	1/2	1-3/8	2-3/8	9/16	3/4
0.516 - 0.570	9/16	1-1/2	2-5/8	5/8	15/16
0.571 - 0.635	5/8	2	2-5/8	3/4	1
0.636 - 0.772	3/4	2-1/2	3-1/8	7/8	1-3/16
0.773 - 0.868	-	2-1/2	3-5/8	1	1-3/8
0.869 - 1.024	1	3	4-1/8	1	1-3/8
1.025 - 1.27	-	3-1/2	5-1/8	1-3/8	1-3/4
1.30	-	4	5-1/8	1-3/8	1-15/16



GLOBAL HEADQUARTERS
 660 BETA DRIVE
 CLEVELAND, OH 44143

+1 440 461 5200
 INFO@PLP.COM
 PLP.COM