



# Spiral Vibration Damper (SVD) and FIBERLIGN® Dielectric Damper

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

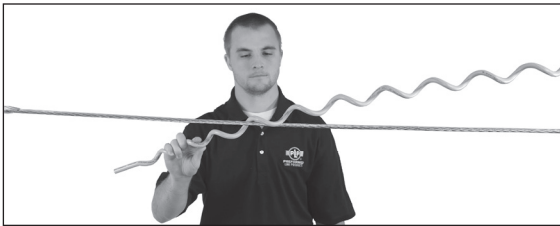


Spiral Vibration Damper or Dielectric Damper as received at job site

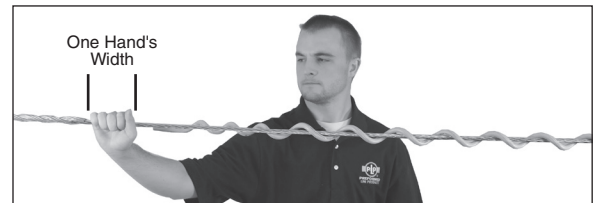
Use this QR Code to download the procedure related to the Subset Method for the Installation of Multiple Spiral Vibration Dampers and FIBERLIGN® Dielectric Dampers (SP3278).

## HAND APPLICATION

**STEP #1** Place the damper with the gripping section toward the support point as shown below. The application may be started close to the support and then slid out as desired.



**STEP #3** The damper may be slid out onto the conductor or ADSS cable as shown below before wrapping on the gripping section. The end should be approximately one hand's width from the end of Armor Rods, structural reinforcing rods of a FIBERLIGN Dielectric Dead-end or other support hardware.



**STEP #2** Wrap the damping section of the damper on and out from the support point as shown below.



**STEP #4** Complete the application by wrapping on the gripping section.



**CAUTION:** For installation of Dielectric Dampers where the ADSS cable is in an EHV field, the Dielectric Dampers must be positioned 4 to 5 feet away from suspensions and dead-ends to eliminate electrical tracking of the damper and/or cable.

**STEP #5** Completed application of the Spiral Vibration Damper or Dielectric Damper shown below.



## SVD General Placement Recommendations

The following table contains the general recommendations for using PLP Spiral Vibration Dampers (SVDs):

Total Number of SVDs Recommended Per Span			
Span Length (ft)	Standard Application	Standard Application with Final Tensions $\geq$ 20% of RBS/UTS OR Crossing* Span Application	Crossing Span Application with Final Tensions $\geq$ 20% of RBS/UTS
0-800	2	4	6
801-1600	4	6	10
1601-2400	6	10	16
2401-3200	8	12	18
3201-4000	10	16	24
4001-4800	12	18	28

\*For "Crossing" line applications that span water, canyons, highways, or other vibration inducing terrain.

### NOTES:

1. Tension values should correspond to the Average Annual Minimum Temperature or AAMT Final Tensions
2. Up to **three** SVDs can be subset together in one location where the cable diameter is 0.461" and below.
3. On cables with diameters above 0.461", only **two** SVDs should be subset for optimal damping performance.
4. SVDs have the advantage of being placement independent and may be placed at either end of the span, or on both ends if so desired. However, SVDs are designed to be placed directly on the conductor or shield wire. Thus as a general recommendation, place the SVDs on the bare conductor or shield wire approximately one hand's width away from the suspension rods, dead-end rods, ties, etc., unless otherwise noted.

### SAFETY CONSIDERATIONS

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual.

**FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.**

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

**Do not modify this product under any circumstances.**

This product is intended for use by trained technicians only. **This product should not be used by anyone who is not familiar with, and not trained to use it.**

When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol.

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

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



# PREFORMED LINE PRODUCTS

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