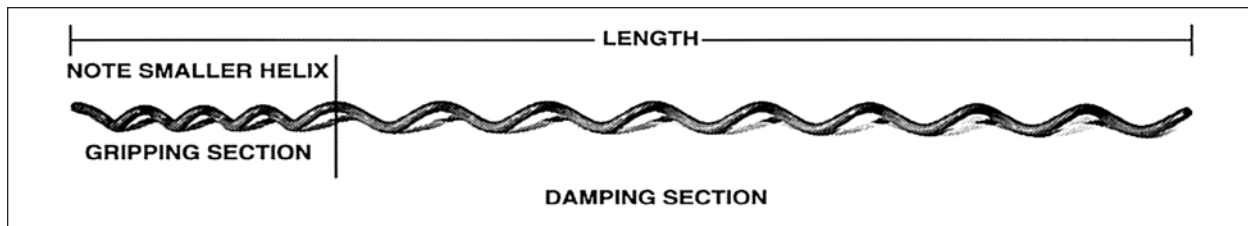


# Spiral Vibration Damper



## NOMENCLATURE

**Length:** Assists in identification of conductor size, corresponding to tabular information appearing on following page.

**Damping Section:** Helically scaled for interplay of damper and conductor, to provide the action/reaction motion that opposes the natural vibration wave.

**Gripping Section:** Has a smaller helix designed to the grip conductor.

## GENERAL RECOMMENDATIONS

Damping devices are designed for the single purpose of reducing vibration. This single function is entirely different from that of protecting against (1) stress concentrations, (2) fretting or abrasion, and (3) arc-over burning. Because of this, damping devices should be considered only as supplemental to WRAPLOCK® Tie, Armor Rod, Side Tie, Spool Tie, or other hardware at tangent supports. Dampers are also used as supplemental protection at dead-ends.

The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to wind flow, and vibration history on similar construction in the same area.

Spiral Vibration Dampers are also effective on certain size overhead shield wires and OPGW. Consult PLP for specifics.

For damper applications on ADSS cable, refer to the FIBERLIGN® Fiber Optic Products section under motion control.

Consult your PREFORMED™ Sales Representative for placement and installation guidelines.

### Material:

The solid polyvinyl chloride helical rod material is noncorrosive and has a surface hardness which does not abrade the conductor.

### Application Inspection:

The Gripping Section should be installed approximately one hand's width from the ends of Armor Rod or other hardware. It is not necessary to make engineering calculations as to placement.

### Standard Usage Recommendations for Standard Length Spiral Vibration Dampers on Bare Conductor, Shield Wire.

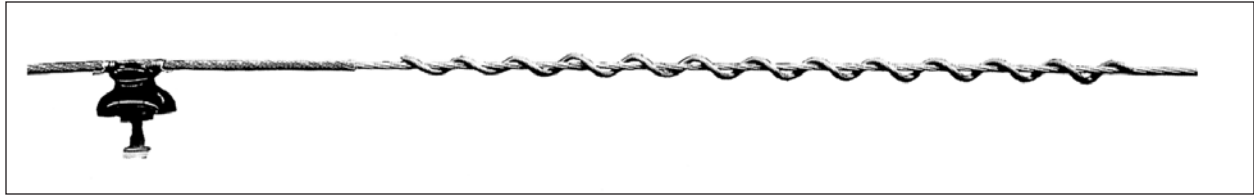
Span Length	0-800'	801'-1600'	1601'-2400'
Number of SVDs per Span	2	4	6

**Note:** Water/Canyon Crossings – due to the increased potential of laminar wind flow, an additional 50% more dampers per span should be added to the standard recommendations above for adequate protection.

In areas that are prone to high levels of vibration where conductor tension is in excess of 18% RBS, consult PLP for specific recommendations.



# Spiral Vibration Damper



**For use on:**  
**Bare Conductors, Shield Wires**

Catalog Number	Diameter Range (Inches)		Units Per Carton	Wt/Lbs Per Carton	Length (Inches)
	Min.	Max.			
5050102	.174	.249	50	29	46
5050103	.250	.326	50	31	49
5050104	.327	.461	50	34	51
5050105	.462	.563	50	36	53
5050106	.564	.760	25	50	65

## Spiral Vibration Damper – High Mass

### For use on: Bare Conductors, Shield Wires

The Hi Mass Spiral Vibration Damper (HMSVD) has a damping section close to double that of the standard SVD. By extending the length of the damping section, one Hi Mass SVD is designed to provide the effectiveness of two standard SVDs.

- Fewer points of installation.
- Fewer components on the line.

Catalog Number	Diameter Range (Inches)		Units Per Carton	Wt/Lbs. Per Carton	Length (Inches)
	Min.	Max.			
5050200	.250	.326	50	55	87
5050201	.327	.461	50	60	91
5050202	.462	.563	50	65	94
5050203	.564	.760	15	55	97