



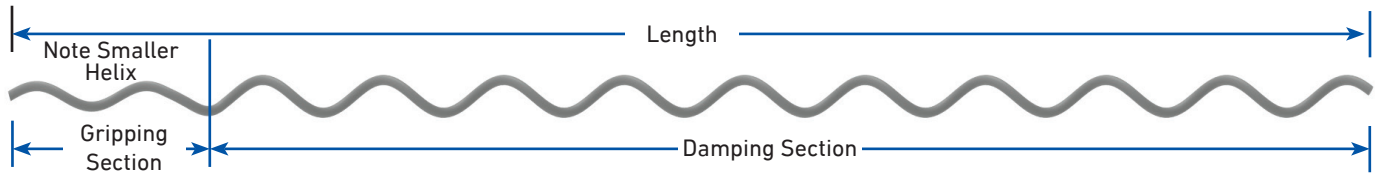
SPIRAL VIBRATION DAMPER

Spiral Vibration Damper reduces Aeolian Vibration (the high frequency, low amplitude vibration caused by horizontal wind passing across the line. It is designed to be used on OPGW, conductors, and strand with an outside diameter less than 0.75". 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. 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.

FEATURES AND BENEFITS

- Made of solid polyvinyl chloride, helical rod material is noncorrosive and has a surface hardness which does not abrade the strand
- For application-inspection, the gripping section should be installed approximately one hand's width from the ends of hardware. Engineering calculations are not required for placement locations.
- Compatible with any down guy strand

COMPONENTS



Component	Description
Length	Assists in identifying conductor size, corresponding to tabular information appearing on following page.
Damping Section	Helically scaled for interplay of damper and strand/conductor, to provide the action/reaction motion that opposes the natural vibration wave
Gripping Section	Has a smaller helix designed to the grip strand/conductor.

ORDERING INFORMATION

Spiral Vibration Damper (Standard)

Catalog Number	Diameter Range (in)		Units	Wt/Lb	Length (in)
	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 (Hi Mass)

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 provides the effectiveness of two standard SVDs. This allows for fewer points of installation and less components on the line.

Catalog Number	Diameter Range (in)		Units	Wt/Lb	Length (in)
	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

Number of SVDs per Span

Span Length	0 - 800'	801' - 1600'	1601' - 2400'
Standard	2	4	6
Hi Mass	1	2	3