Spiral Vibration Dampers

Spiral Vibration Dampers

Made from high impact, UV resistant, polyvinyl chloride (PVC), they are non- corrosive and do not abrade the conductor or require engineering calculations for positioning. Vibration dampers are designed to reduce cable vibration at tangent supports and deadend positions. The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to the wind flow and vibration history on similar constructions in the same area.

Part Number	Conductor Diameter Range (mm)		Colour Code
SVD-0102	4.42 - 6.34		Red
SVD-0103	6.35 - 8.29		Blue
SVD-0104	8.30 - 11.74		Black
SVD-0105	11.75 - 14.30		Yellow
SVD-0106	14.31 - 19.30		Green

For Application Procedures, visit the PLP website.
www.preformed.com.au

SPIRAL VIBRATION DAMPER PLACEMENT GUIDE

Span Length (m)	Standard SVD Quantities
0 - 244	2
245 - 488	4
489 - 732	6
733 - 976	8
977 - 1220	10

1. SVDs may be subset together in sets of up to 3 apiece; do not place more than 3 SVDs together in a subset as this can cause them to bind and reduce their overall effectiveness.

2. 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, please note that SVDs are designed to be placed directly on to the conductor or shield wire and not on to rods or attachment hardware. A general recommendation, place SVDs on the bare conductor or shield wire approximately one hand's width away from suspension rods, dead-end rods, ties, etc.

3. Please consult PLP for recommendations when;
* Flat open Terrain, river or gully crossings
* Tensions are greater than 20% UTS
* Aerial warning spheres are installed

Application Procedure & Safety Considerations

PREFORMED LINE PRODUCTS

SPIRAL VIBRATION DAMPER

Completely read and understand this procedure before applying products. Special attention should be given to the Safety Considerations located on the last page. We advise the reader to review those considerations now, and then again during the general review of this procedure.

The PREFORMED™ Spiral Vibration Damper as received in the field.

COLD APPLICATION

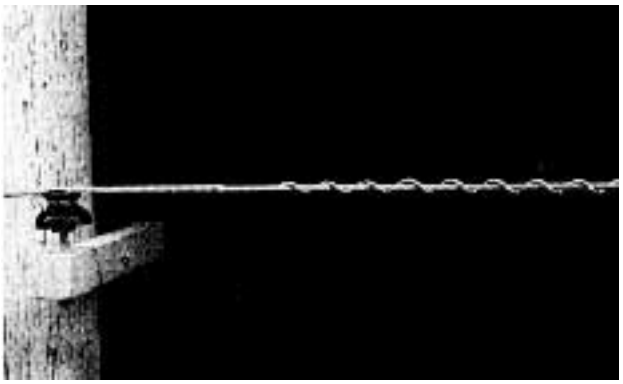
1) Place damper with gripping section toward the support point as shown. Application may be started close to the support and then slid out as desired.

2) Wrap damping section of damper on and out from support point as shown.

3) Damper may be slid out onto conductor as shown before wrapping on gripping section, until end of this section is approximately one hand's width from end of armor rod or other supporting hardware.

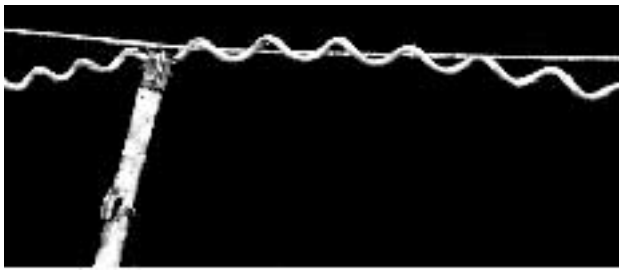
4) Complete application by wrapping on gripping section.

5) End of damper should be one hand's width from end of armor rod or other supporting hardware, as stated in step # 3.

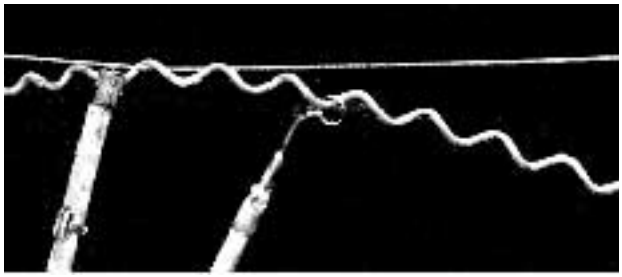


6) Completed application of the PREFORMED Spiral Vibration Damper.

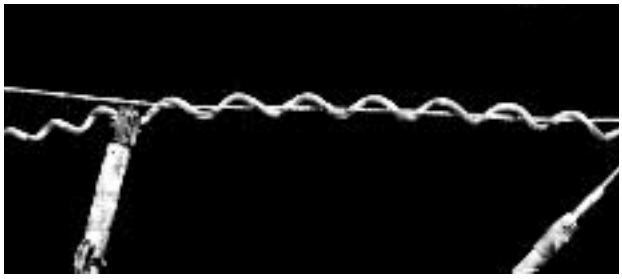
HOT APPLICATION



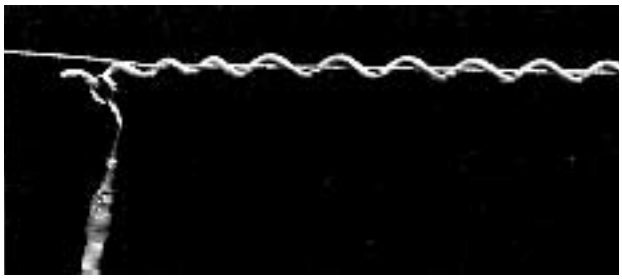
1) Position damper with the jumper holding tool with gripping section nearest support point.



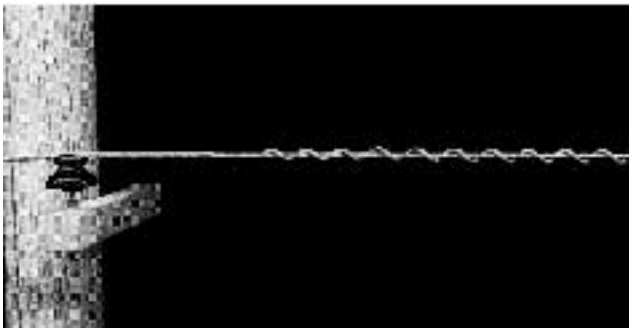
2) Wrap damping section of damper on with the PREFORMED Applicator Ring.



3) Slide damper out on conductor until end of gripping section is approximately one hand's width from the end of the armor rod or other supporting hardware. Securely grasp both the damper and the conductor with the jumper holding tool as shown and wrap on with the PREFORMED™ Applicator Ring.



4) Snap in the end of the damper with the PREFORMED Applicator Ring as shown. End of damper should be approximately one hand's width from end of armor rod or other supporting hardware, as stated in step #3.



5) Completed application of the PREFORMED Spiral Vibration Damper.

SAFETY CONSIDERATIONS

1) For proper performance and personal safety be sure to select the proper size Spiral Vibration Damper before application.

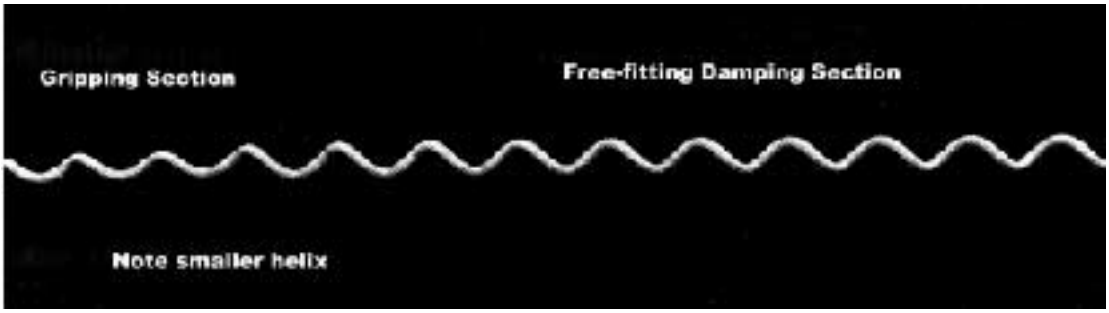
2) Spiral Vibration Dampers are precision devices. To ensure tight assembly, they should be stored in cartons under cover and handled carefully.

3) 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 and restrictions may result in personal injury.

4) When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.

5) This product is intended for use by trained linesmen only. This product should not be used by any one who is not familiar with and trained in the use of it.

Sub-set Method of Applying Two PREFORMED™ Spiral Vibration Dampers



The PREFORMED Spiral Vibration Damper as received in the field.

1) Position the double Spiral Vibration Damper on the conductor with the gripping section toward the support point. Wrap the damping section of the damper around the conductor one full wrap as shown.

2) Slide the damper away from the support point while spiraling or twisting the damper onto the conductor.....

3) .....until the gripping section is reached. As shown, this should be one hand's width away from the support point.

4) Grasp each of the legs and separate them as shown

5) Wrap one of the legs onto the conductor. Next, wrap on the other leg in the same manner.

6) Snap the end into place with light thumb pressure.

7) Complete sub-set application of the PREFORMED Spiral Vibration Damper.

SAFETY CONSIDERATIONS

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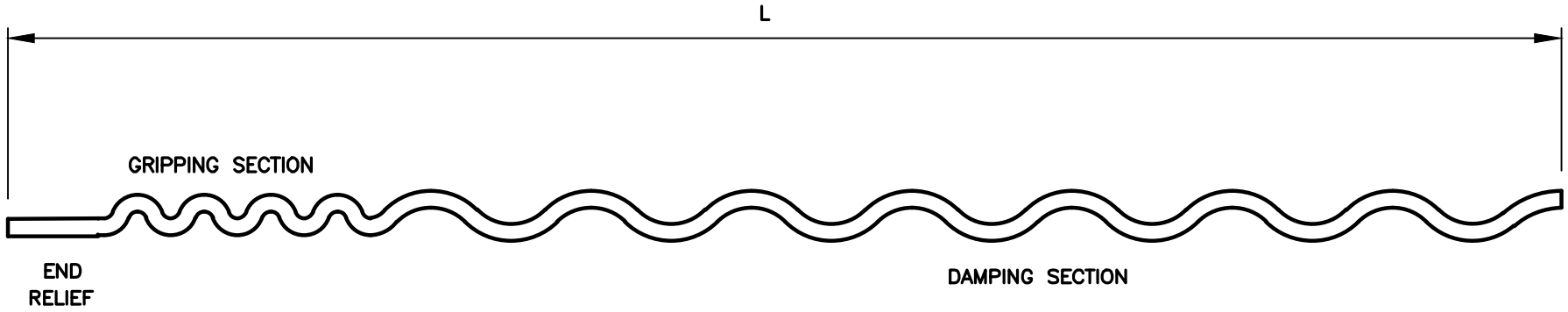
REV D: CHANGE THE TABLE FORMAT | rev. G - CHANGED PRINTING TEXT ON RODS ERF NO A8789

NOTES

1. ALL DIMENSIONS IN MILLIMETRES.

2. MATERIAL TO AS1154

3 IDENTIFICATION MARKINGS: SEE TABLE



IDENTIFICATION MARKINGS:

PART No:-	CONDUCTOR DIA. RANGE	"L" MIN LENGTH	COLOUR CODE	CUSTOMER I.D.
SVD-0102	4.42 - 6.34	1175	RED	
SVD-0103	6.35 - 8.29	1225	BLUE	LM29047
SVD-0104	8.30 - 11.74	1275	BLACK	LM29048
SVD-0105	11.75 - 14.30	1325	YELLOW	LM29049
SVD-0106	14.31 - 19.30	1625	GREEN	LM29050

A	PN	7.03.95	H	DF	30.05.12	THIS DRAWING IS THE EXCLUSIVE PROPERTY OF PREFORMED LINE PRODUCTS (AUSTRALIA). REPRODUCTION THEREOF IS PROHIBITED AND IS TO BE USED ONLY WITH THE EXPRESSED PERMISSION OF THE COMPANY	PART No: SVD-### SPIRAL VIBRATION DAMPER				**PREFORMED LINE PRODUCTS (AUSTRALIA) PTY. LTD.**	
CHK	DM	7.03.95	CHK	TC	29.06.12						
INITIAL ISSUE DSC NO.A0897		A0645				PASSED	DM	DATE 02.07.12	SCALE	NTS	DRAWING NUMBER 002-000-RD