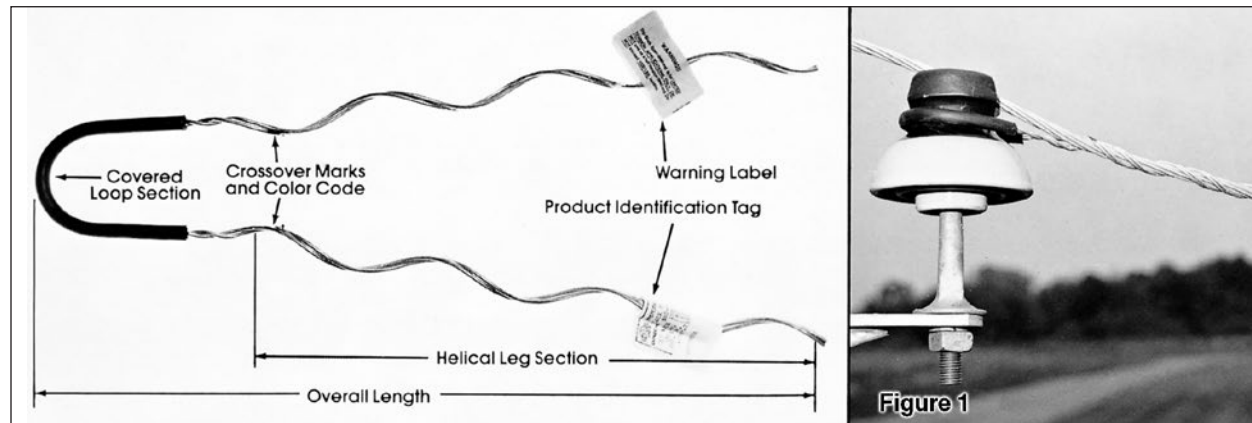


Slack Span Dead-end

NOMENCLATURE



Dead-end Material Helical Leg Section: Aluminum covered steel. An aluminum alloy version is available for corrosive environment. Contact PLP.

Crossover Marks: Indicates starting point for application on conductor.

Color Code & Length: Assists in identification of conductor diameter range, corresponding to tabular information listed on catalog pages.

Covered Loop Section: Elastomeric compound specifically formulated for resistance to ozone attack, weathering and abrasion.

Product Identification Tag/Warning Label: Identifies catalog number, appropriate conductor types and sizes and product usage limitations.

GENERAL RECOMMENDATIONS

Slack Span Dead-end is intended for use on aluminum based conductors with diameter ranges from .229" to 1.216". It is specifically designed to terminate primary, secondary and neutral conductors.

Each Slack Span Dead-end covers a range of conductor diameters as outlined on catalog pages.

Conductor Tension Limitations: The Slack Span Dead-end is specifically designed for LIMITED TENSION APPLICATIONS. IT SHOULD NOT BE USED AS A FULL TENSION DEAD-END.

The Slack Span Dead-end is intended for use where guying (or other) restrictions prevent full tension spans. While individual utility construction and safety practices should dictate actual installations, each Slack Span Dead-end has a warning label attached suggesting a maximum allowable loaded tension of 1000 lbs. This value does not indicate a holding strength rating for Slack Span Dead-ends; rather, it suggests a practical limit for tensions in this type of construction.

The Slack Span Dead-end replaces conventional Dead-ending equipment used in slack span construction.

Dead-end insulators, clamps, and associated hardware when used in this way normally do not offer tight, solid electrical connections between each other. This "looseness" can allow intermittent contact and ultimately produce troublesome RFI (RIV) and TVI. Construction practices utilizing the Slack Span Dead-end can minimize this problem.

The Slack Span Dead-end is specifically designed to be installed on pin, line post or spool insulators when used in limited tension construction. Refer to Figure 1 for a typical installation. Refer to Illustrations 1 and 2 and Acceptable Fitting Section for acceptable types and sizes of insulators and fittings.

Covered Loop Section: The loop of the Dead-end is covered with an elastomer to provide protection against abrasion and damage to the glaze of the insulator. It also helps minimize RFI, TVI, etc.

The Slack Span Dead-end is designed to grip the conductor uniformly to prevent distortion. It also offers a unique design that eliminates bolts, nuts, washers and other component parts that may become lost or damaged during installation or in service.

Where requirements call for increased tension applications, use either the Distribution-Grip Dead-end or the Overhead Dead-end. On jacketed conductors, use either Coated Dead-ends or Distribution-Grip Dead-ends.

Where requirements call for Dead-ending conductors associated with bare neutral messengers or self-supporting cable used in making service drops, use Service Grip Dead-ends.

Distribution-Grip (Slack Span/Overhead) Dead Ends are not recommended for use with high temperature/low sag conductors such as ACSS, ACSS/AW, ACSS/TW, ACCR or other types of conductors with loose, and/or annealed outer layer strands. Typically THERMOLIGN® Dead Ends are suggested for these applications; consult PLP for further information.



Slack Span Dead-end

INSTALLATION GUIDELINES

Conductor Compatibility: Slack Span Dead-ends should be used only on the size and type of conductor for which they are designed. They must have the same lay as the conductor to which they are being applied. When ordering Slack Span Dead-ends, make sure to specify the conductor size and type they are to be used on. When using types and/or sizes of conductors **not** mentioned in these catalog pages, consult Preformed Line Products Company.

During installation, and at all times, care should be taken to avoid gouging or damaging the protective coating of the Slack Span Dead-end or the conductor itself.

Slack Span Dead-ends should not be used as tools; i.e., come-alongs, pulling-in grips, etc.

Tools are not required to install Slack Span Dead-ends, except for hot stick applications.

Tapping: Tapping over the legs of the Slack Span Dead-end is NOT recommended. Taps can be made beyond the ends of the Dead-end on the conductor or on the conductor tail that extends through the loop.

Slack Span Dead-ends should not be used on overhead shield wires.

FOR ADDITIONAL INFORMATION REGARDING INSTALLATION, REFER TO THE Slack Span Dead-end APPLICATION PROCEDURE.

When in doubt about dimensions, fittings, installations, or unusual applications, consult your PREFORMED™ Sales Representative or Preformed Line Products Company.

ACCEPTABLE FITTINGS

Slack Span Dead-ends are specifically designed to be applied around the necks of certain pin, line post and spool insulators.

Slack Span Dead-ends can be applied to either:

- ANSI “C” and “F” neck insulators and ANSI class 53-1 to 53-5 spool insulators, or
- ANSI “J” neck insulators.

Refer to Illustration 1. for nominal insulator neck sizes and appropriate size Slack Span Dead-end.

Application of Slack Span Dead-ends to non-insulator fittings is acceptable as long as the fitting:

- has smoothly contoured dimensions,
- has a seat diameter (Illustration 2, Figure 1) consistent with the insulator neck diameters shown in Illustration 1.,
- has a minimum groove width (Illustration 2, Figure 2) of 9/16”.

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be reapplied twice for retensioning within 90 days of initial installation. **CAUTION: DO NOT MODIFY OR REUSE THIS PRODUCT AFTER 90 DAYS UNDER ANY CIRCUMSTANCES.**
- This product is intended for use by trained craftspeople only. This product **SHOULD NOT BE USED** by anyone who is not familiar with and trained in the use of it.
- When working in the area of energized lines with this product, **EXTRA CARE** should be taken to prevent accidental electrical contact.
- For **PROPER PERFORMANCE AND PERSONAL SAFETY** be sure to select the proper size PREFORMED™ product before application.
- PREFORMED™ products are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.

Slack Span Dead-end

Illustration 1. Applicable Pin, Line post and Spool Insulators

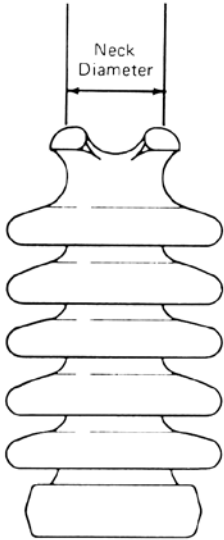
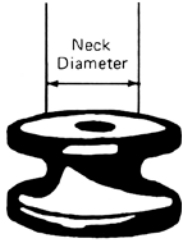
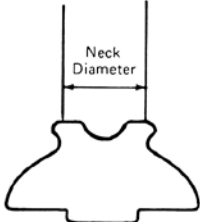
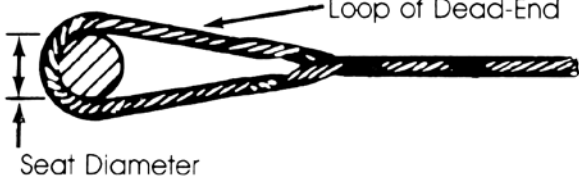
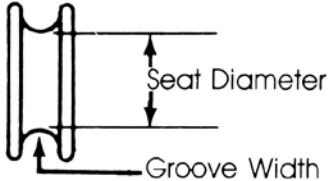
CATALOG NUMBERS: SSDE-9122 through 9134 Pin Post & Spool Insulators	
<p>ANSI "C"-Neck: Nominal neck diameter 2-1/4" ANSI "F"-Neck: Nominal neck diameter 2-7/8"</p> 	<p>ANSI Class 53-1 to 53-5 Spool Nominal Neck Diameter 1-3/4" to 2-7/8"</p> 
CATALOG NUMBERS: SSDE-9142 through 9153 Pin Insulators	
	<p>ANSI "J"-Neck: Nominal neck diameter 3-1/2"</p> 

Illustration 2. Acceptable Dimensions for Non-Insulator Fittings

<p>Fig. 2 Seat Diameter</p> 	<p>Fig. 3 Groove Width</p> 
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Slack Span Dead-end

For use on:

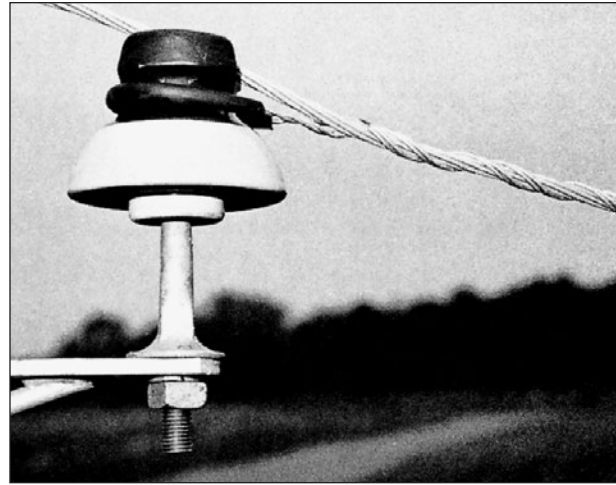
- ACAR, All-Aluminum**
- ACSR, Aluminum Alloy**
- AWAC[®], Compacted ACSR**

C-Neck and F-Neck Interchangeable Headstyle Insulators:

- 2-1/4" Neck Diameter**
- 2-7/8" Neck Diameter**

ANSI Class Spool Insulators:

- ANSI 53-1, 53-2, 53-3**
- 1-3/4" Neck Diameter**
- ANSI 53-4, 53-5**
- 2-7/8" Neck Diameter**



Catalog Number	Conductor		Per Carton Units	Length (Inches)	Color Code
	Range (Inches)	Nominal Size			
SSDE-9122	.229-.257	#4 AWG	25	16	Orange
SSDE-9124	.290-.325	#2 AWG	25	18	Red
SSDE-9125	.326-.364	#1 AWG	25	19	Green
SSDE-9126	.365-.409	1/0 AWG	25	20	Yellow
SSDE-9127	.410-.460	2/0 AWG	25	18	Blue
SSDE-9128	.461-.516	3/0 AWG	25	18	Orange
SSDE-9129	.517-.577	4/0 AWG	25	19	Red
SSDE-9130	.578-.665	266.8 kcmil	25	21	Black
SSDE-9131	.666-.783	336.4 kcmil	25	21	Green
SSDE-9132	.784-.883	477 kcmil	25	22	Orange
SSDE-9133	.884-1.025	636 kcmil	25	25	Brown
SSDE-9134	1.026-1.216	795 kcmil	25	26	Orange

Right-hand lay standard

EXPLANATORY NOTES:

- (1) AWAC is a registered trademark of the Copperweld Co.
- (2) Where Dead-ending requirements call for other than **limited** tension requirements, refer to Distribution-Grip Dead-ends, Dead-end-Coated, or Overhead Dead-end.
- (3) Where Dead-ending requirements call for Service Grip Dead-ends, refer to that section.
- (4) Insulators with C and F neck dimensions can be identified by consulting the manufacturer.
- (5) "Conductor Range" indicates the range of conductors that utilize the same Dead-end.
- (6) Refer to Illustrations 1 and 2 and Acceptable fittings portion of this section for dimensions of appropriate insulators and fittings.
- (7) When in doubt about dimensions, insulators, fittings, installations, or unusual applications, consult your PREFORMED™ sales representative or Preformed Line Products Co.

Slack Span Dead-end

For use on:

ACAR, All-Aluminum
ACSR, Aluminum Alloy
AWAC[®], Compacted ACSR

J-Neck Interchangeable

Headstyle Insulators:

3-1/2" Neck Diameter

ANSI 55-6 Single Skirt Pin

ANSI 55-7 Single Skirt Pin

ANSI 55-8 Double Skirt Pin

Catalog Number	Conductor		Per Carton Units	Length (Inches)	Color Code
	Range (Inches)	Nominal Size			
SSDE-9142	.229-.357	#4 AWG	25	18	Orange
SSDE-9144	.290-.325	#2 AWG	25	19	Red
SSDE-9145	.326-.364	#1 AWG	25	20	Green
SSDE-9146	.365-.409	1/0 AWG	25	21	Yellow
SSDE-9147	.410-.460	2/0 AWG	25	19	Blue
SSDE-9148	.461-.516	3/0 AWG	25	20	Orange
SSDE-9149	.517-.577	4/0 AWG	25	21	Red
SSDE-9150	.578-.665	266.8 kcmil	25	22	Black
SSDE-9151	.666-.783	336.4 kcmil	25	23	Green
SSDE-9152	.784-.883	477 kcmil	25	24	Orange
SSDE-9153	.884-1.025	636 kcmil	25	27	Brown
SSDE-9154	1.026-1.216	795 kcmil	25	28	Orange

Right-hand lay standard

EXPLANATORY NOTES:

- (1) AWAC is a registered trademark of the Copperweld Co.
- (2) Where Dead-ending requirements call for other than **limited** tension requirements, refer to Distribution-Grip Dead-ends, Dead-end-Coated, or Overhead Dead-end.
- (3) Where Dead-ending requirements call for Service Grip Dead-ends, refer to that section.
- (4) Insulators with C and F neck dimensions can be identified by consulting the manufacturer.
- (5) "Conductor Range" indicates the range of conductors that utilize the same Dead-end.
- (6) Refer to Illustrations 1 and 2 and Acceptable fittings portion of this section for dimensions of appropriate insulators and fittings.
- (7) When in doubt about dimensions, insulators, fittings, installations, or unusual applications, consult your PREFORMED™ sales representative or Preformed Line Products Co.