

# Side-Tie - Groove Formed

**Weight:** 0.00kg

**Dimensions:** 0.00cm x 0.00cm x 0.00cm

## Description

**Side Ties** manufactured of aluminum covered steel secure conductors in the side groove of interchangeable headstyle insulators. They provide an improved method of securing conductor compared to clamp-top insulators or hand ties over Armor Rods.

## Features

- The Groove-Formed design broadens conductor diameter ranges, matching DISTRIBUTION Tie.
- The formed loop section permits better utilization of insulator groove space so that larger conductors can be accommodated on a given insulator.
- Provides superior abrasion protection for the conductor under all types of motion
- Tube component surrounds the bare conductor with a resilient cushion where the conductor would come into contact with the insulator
- Provides superior protection by eliminating abrasion rather than sacrificing outside surfaces to abrasion.

## Documentation

### Application Procedures

[SP-2832 \(Side-Tie Groove Formed\)](#)

## Catalog Pages

[Side-Tie Groove Formed Catalog](#)

## Part Tables

**For use on: ACAR, ACSR, All-Aluminum, AWAC® Compacted ACSR, Aluminum Alloy**

## C-Neck Interchangeable Headstyle Insulators

### ANSI 55-2 Pin, ANSI 55-3 Pin

#### 2-1/4" Neck Diameter

Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units	Wt./Lbs.	Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
<b>9/16" R. GROOVE (See Note 2)</b>								
STC-1250-P	.190	.215	#6, 6/1 – #4, 7W Comp.	100	19	16	Black	Blue
STC-1251-P	.216	.244	#4, 7W All Alum. – #4, 6/1, 7/1 Comp.	100	20	17	Black	Brown
STC-1252-P	.245	.277	#4, 6/1, 7/1 – #4, 7W Alum. Alloy	100	22	19	Black	Orange
STC-1253-P	.278	.315	#3, 7W Alum. Alloy – #2, 7W All Alum.	50	11	21	Black	Purple
STC-1254-P	.316	.357	#2, 6/1, 7/1 – #2, 7W Alum. Alloy – #1, 6/1	50	16	24	Black	Red
STC-1255-P	.358	.405	1/0, 7W All Alum. 1/0, 6/1 1/0, 7W Alum. Alloy	50	17	26	Black	Yellow
STC-1256-P	.406	.459	2/0, 7W All Alum. 2/0, 6/1 2/0, 7W Alum. Alloy	50	20	28	Black	Blue
STC-1257-P	.460	.520	3/0, 7W All Alum. 3/0, 6/1 3/0, 7W Alum. Alloy	50	21	31	Black	Orange
STC-1258-P	.521	.588	4/0, 7W All Alum. 4/0, 6/1 4/0, 7W Alum. Alloy	50	22	32	Black	Red
STC-1259-P	.589	.665	266.8, 37W All Alum. 266.8, 18/1 336.4, 19W All Alum.	50	24	23	Black	Purple
STC-1260-P	.666	.755	336.4, 18/1 397.5, 19W All Alum. 400, 19W, 37W, All Alum.			25	Black	Brown
STC-1261-P	.756	.858	477, 19W, 37W, All Alum. 477, 18/1, 24/7, 26/7			26	Black	Red
<b>5/8" R. GROOVE (See Note 2)</b>								
STC-1262-P	.859	.968	556.5, 26/7 636, 18/1 700, 37W, 61W, All Alum.			28	Black	Blue
<b>11/16" R. GROOVE (See Note 2)</b>								
STC-1263-P	.969	1.096	795, 37W, 61W, All Alum. 715.5, 24/7 795, 54/7			29	Black	Green
<b>3/4" R. GROOVE (See Note 2)</b>								
STC-1264-P	1.097	1.240	954, 36/1, 54/7 1033.5, 37W, 61W, All Alum.			33	Black	Yellow

Right-hand lay standard

#### EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding ranges, the insulator's side groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.

**For use on: ACAR, ACSR, All-Aluminum, AWAC® Compacted ACSR, Aluminum Alloy**

## F-Neck Interchangeable Headstyle Insulators

**ANSI 53-4 Spool, ANSI 53-5 Spool, ANSI 55-4 Pin, ANSI 55-5 Pin, ANSI 57-1 Post, ANSI 57-2 Post, ANSI 57-3 Post**

#### 2-7/8" Neck Diameter

Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units	Wt./Lbs.	Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
<b>9/16" R. GROOVE (See Note 2)</b>								
STF-1150-P	.190	.215	#6, 6/1 #4, 7W Comp.	100	16	16	Yellow	Blue
STF-1151-P	.216	.244	#4, 7W All Alum. #4, 6/1, 7/1 Comp.	100	17	17	Yellow	Brown
STF-1152-P	.245	.277	#4, 6/1, 7/1 #4, 7W Alum. Alloy	100	19	19	Yellow	Orange
STF-1153-P	.278	.315	#3, 7W Alum. Alloy #2, 7W All Alum.	50	12	21	Yellow	Purple
STF-1154-P	.316	.357	#2, 6/1, 7/1 #2, 7W Alum. Alloy #1, 6/1	50	17	24	Yellow	Red
STF-1155-P	.358	.405	1/0, 7W All Alum. 1/0, 6/1 1/0, 7W Alum. Alloy	50	17	26	Yellow	Yellow
STF-1156-P	.406	.459	2/0, 7W All Alum. 2/0, 6/1 2/0, 7W Alum. Alloy	50	21	28	Yellow	Blue
STF-1157-P	.460	.520	3/0, 7W All Alum. 3/0, 6/1 3/0, 7W Alum. Alloy	50	22	30	Yellow	Orange
STF-1158-P	.521	.588	4/0, 7W All Alum. 4/0, 6/1 4/0, 7W Alum. Alloy	50	24	32	Yellow	Red
STF-1159-P	.589	.665	266.8, 37W All Alum. 266.8, 18/1 336.4, 19W All Alum.	50	24	23	Yellow	Purple
STF-1160-P	.666	.755	336.4, 18/1 397.5, 19W All Alum. 400, 19W, 37W, All Alum.	50	33	25	Yellow	Brown
STF-1161-P	.756	.858	477, 19W, 37W, All Alum. 477, 18/1, 24/7, 26/7	50	30	26	Yellow	Red
<b>5/8" R. GROOVE (See Note 2)</b>								
STF-1162-P	.859	.968	556.5, 26/7 636, 18/1 700, 37W, 61W, All Alum.	50	36	28	Yellow	Blue
<b>11/16" R. GROOVE (See Note 2)</b>								
STF-1163-P	.969	1.096	795, 37W, 61W, All Alum. 715.5, 24/7 795, 54/7	50	36	29	Yellow	Green
<b>3/4" R. GROOVE (See Note 2)</b>								
STF-1164-P	1.097	1.240	954, 36/1, 54/7 1033.5, 37W, 61W, All Alum.	50	39	33	Yellow	Yellow

Right-hand lay standard

**EXPLANATORY NOTES:**

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding ranges, the insulator's side groove radius should be at least as large as shown above.
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**For use on: ACAR, ACSR, All-Aluminum, AWAC® Compacted ACSR, Aluminum Alloy**

**J-Neck Interchangeable Headstyle Insulators**

**ANSI 55-6 Single Skirt Pin, ANSI 55-7 Single Skirt Pin, ANSI 56-1 Double Skirt Pin**

**3-1/2" Neck Diameter**

Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units	Wt./Lbs.	Approx. Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
<b>9/16" R. GROOVE (See Note 2)</b>								
STJ-1500-P	.190	.215	#6, 6/1	100	19	16	Green	Blue
STJ-1501-P	.216	.244	#4, 7W, All Alum.	100	21	17	Green	Brown
STJ-1502-P	.245	.277	#4, 6/1 - 7/1 #3, 7W, All Alum.	100	23	19	Green	Orange
STJ-1503-P	.278	.315	#3, 7W, Alum. Alloy #2, 7W, All Alum.	100	28	21	Green	Purple
STJ-1504-P	.316	.357	#2, 6/1 - 7/1 #2, 7W, Alum. Alloy #1, 6/1	100	32	24	Green	Red
STJ-1505-P	.358	.405	1/0, 7W-19W All Alum. 1/0, 6/1 1/0, 7W, Alum. Alloy	100	33	26	Green	Yellow
STJ-1506-P	.406	.459	2/0, 7W-19W, All Alum. 2/0, 6/1	50	24	31	Green	Blue
STJ-1507-P	.460	.520	3/0, 7W-19W, All Alum. 3/0, 6/1 3/0, 7W, Alum. Alloy	50	24	32	Green	Orange
STJ-1508-P	.521	.588	4/0, 6/1 4/0, 7W, All Alum. 4/0, 7W, Alum Alloy 250, 19W-37W All Alum.	50	25	34	Green	Red
STJ-1509-P	.589	.665	266.8, 19W-37W All Alum. 300, 19W37W, All Alum. 266.8, 26/7	50	27	23	Green	Purple
<b>5/8" R. GROOVE (See Note 2)</b>								
STJ-1510-P	.666	.755	336.4, 37W, All Alum. 397.5, 19W-37W, All Alum.	50	33	25	Green	Brown
STJ-1511-P	.756	.858	397.5, 24/7, 26/7 477, 19W, 37W, All Alum. 477, 18/1, 24/7, 26/7	50	35	26	Green	Red
STJ-1512-P	.859	.968	556.5, 61W All Alum. 556.5, 26/7 636, 18/1	25	19	28	Green	Blue
STJ-1513-P	.969	1.096	636, 24/7, 26/7, 30/19 715.5, 36/1, 24/7, 26/7	25	19	29	Green	Green
STJ-1514-P	1.097	1.240	954, 54/7 1033.5, 45/7 1113, 61W All Alum. 954, 37W Alum. Alloy	25	22	33	Green	Yellow

**EXPLANATORY NOTES:**

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding ranges, the insulator's side groove radius should be at least as large as shown above.
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## Videos

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