

# 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<br>Number             | Diameter<br>Range (Inches) |       | Nominal Conductor Size                                       | Units      | Wt./Lbs. | Applied<br>Length<br>(Inches) | Insulator<br>Identification<br>Mark | Color<br>Code |
|-------------------------------|----------------------------|-------|--------------------------------------------------------------|------------|----------|-------------------------------|-------------------------------------|---------------|
|                               | Min.                       | Max.  |                                                              | Per Carton |          |                               |                                     |               |
| 9/16" R. GROOVE (See Note 2)  |                            |       |                                                              |            |          |                               |                                     |               |
| 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.<br>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.<br>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           |
| 5/8" R. GROOVE (See Note 2)   |                            |       |                                                              |            |          |                               |                                     |               |
| STC-1262-P                    | .859                       | .968  | 556.5, 26/7<br>636, 18/1 700, 37W, 61W, All Alum.            |            |          | 28                            | Black                               | Blue          |
| 11/16" R. GROOVE (See Note 2) |                            |       |                                                              |            |          |                               |                                     |               |
| STC-1263-P                    | .969                       | 1.096 | 795, 37W, 61W, All Alum. 715.5, 24/7 795, 54/7               |            |          | 29                            | Black                               | Green         |
| 3/4" R. GROOVE (See Note 2)   |                            |       |                                                              |            |          |                               |                                     |               |
| 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 |          |                         |                               |            |
| 9/16" R. GROOVE (See Note 2)  |                         |       |                                                              |            |          |                         |                               |            |
| 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.<br>1/0, 6/1 1/0, 7W Alum. Alloy            | 50         | 17       | 26                      | Yellow                        | Yellow     |
| STF-1156-P                    | .406                    | .459  | 2/0, 7W All Alum.<br>2/0, 6/1 2/0, 7W Alum. Alloy            | 50         | 21       | 28                      | Yellow                        | Blue       |
| STF-1157-P                    | .460                    | .520  | 3/0, 7W All Alum.<br>3/0, 6/1 3/0, 7W Alum. Alloy            | 50         | 22       | 30                      | Yellow                        | Orange     |
| STF-1158-P                    | .521                    | .588  | 4/0, 7W All Alum.<br>4/0, 6/1 4/0, 7W Alum. Alloy            | 50         | 24       | 32                      | Yellow                        | Red        |
| STF-1159-P                    | .589                    | .665  | 266.8, 37W All Alum.<br>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.<br>400, 19W, 37W, All Alum. | 50         | 33       | 25                      | Yellow                        | Brown      |
| STF-1161-P                    | .756                    | .858  | 477, 19W, 37W, All Alum.<br>477, 18/1, 24/7, 26/7            | 50         | 30       | 26                      | Yellow                        | Red        |
| 5/8" R. GROOVE (See Note 2)   |                         |       |                                                              |            |          |                         |                               |            |
| STF-1162-P                    | .859                    | .968  | 556.5, 26/7<br>636, 18/1 700, 37W, 61W, All Alum.            | 50         | 36       | 28                      | Yellow                        | Blue       |
| 11/16" R. GROOVE (See Note 2) |                         |       |                                                              |            |          |                         |                               |            |
| STF-1163-P                    | .969                    | 1.096 | 795, 37W, 61W, All Alum.<br>715.5, 24/7 795, 54/7            | 50         | 36       | 29                      | Yellow                        | Green      |
| 3/4" R. GROOVE (See Note 2)   |                         |       |                                                              |            |          |                         |                               |            |
| STF-1164-P                    | 1.097                   | 1.240 | 954, 36/1, 54/7<br>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 |          |                                 |                               |            |
| 9/16" R. GROOVE (See Note 2) |                         |       |                                                                              |            |          |                                 |                               |            |
| 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<br>#2, 7W, All Alum.                                     | 100        | 28       | 21                              | Green                         | Purple     |
| STJ-1504-P                   | .316                    | .357  | #2, 6/1 - 7/1<br>#2, 7W, Alum. Alloy #1, 6/1                                 | 100        | 32       | 24                              | Green                         | Red        |
| STJ-1505-P                   | .358                    | .405  | 1/0, 7W-19W All Alum.<br>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.<br>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.<br>4/0, 7W, Alum Alloy 250,<br>19W-37W All Alum. | 50         | 25       | 34                              | Green                         | Red        |
| STJ-1509-P                   | .589                    | .665  | 266.8, 19W-37W All Alum. 300,<br>19W37W, All Alum. 266.8, 26/7               | 50         | 27       | 23                              | Green                         | Purple     |
| 5/8" R. GROOVE (See Note 2)  |                         |       |                                                                              |            |          |                                 |                               |            |
| STJ-1510-P                   | .666                    | .755  | 336.4, 37W, All Alum. 397.5,<br>19W-37W, All Alum.                           | 50         | 33       | 25                              | Green                         | Brown      |
| STJ-1511-P                   | .756                    | .858  | 397.5, 24/7, 26/7<br>477, 19W, 37W, All Alum.<br>477, 18/1, 24/7, 26/7       | 50         | 35       | 26                              | Green                         | Red        |
| STJ-1512-P                   | .859                    | .968  | 556.5, 61W All Alum.<br>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,<br>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

## Product Gallery