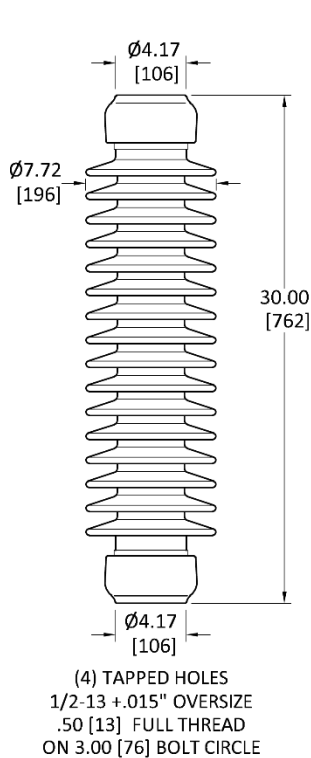
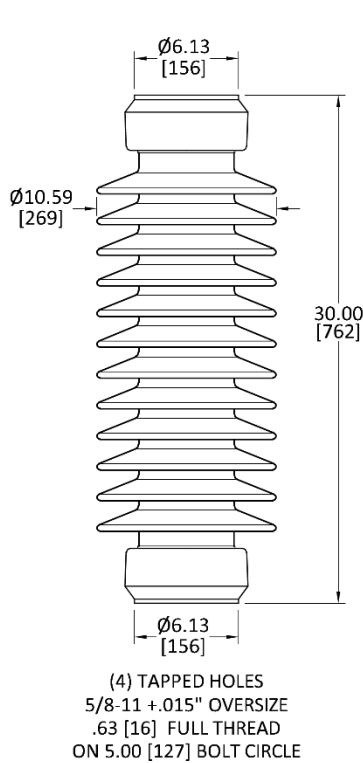


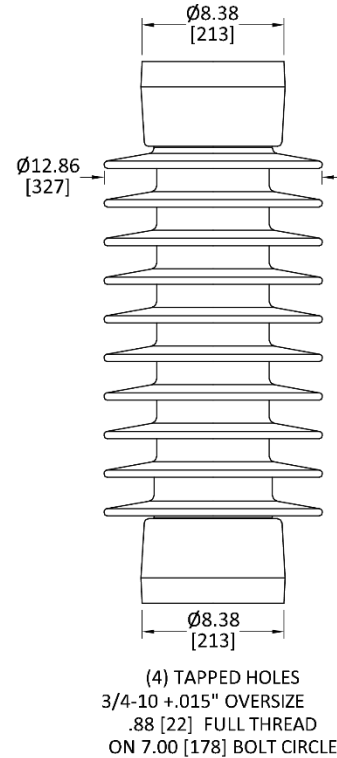
**G-1: Station Posts:  
350 kV BIL**



**315216-70**  
**Standard Strength**



**315278-70**  
**High Strength**

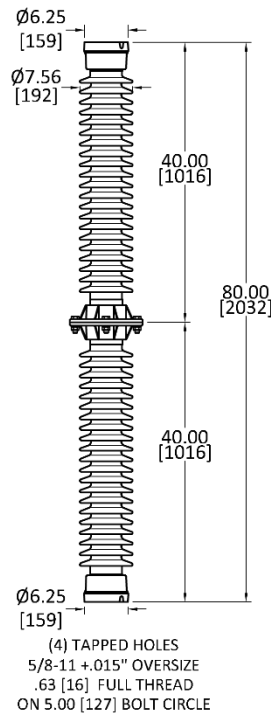


**318461-70**  
**Extra High Strength**

**Characteristics**

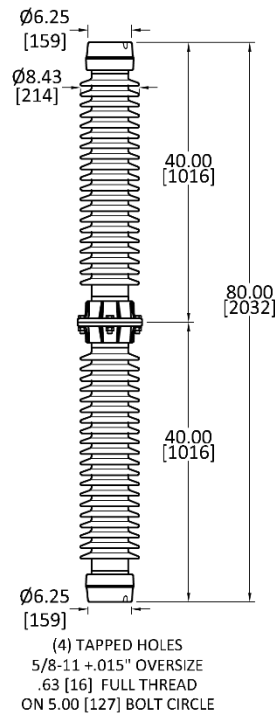
| Number (Light Gray-ANSI 70)                    | 315216-70     | 315278-70     | 318461-70      |
|------------------------------------------------|---------------|---------------|----------------|
| Number (Brown)                                 | 315216        | 315278        | 318461         |
| Number ( RG <sup>®</sup> )                     | 535216A       | 535278A       | 500201A        |
| ANSI Technical Reference Number                | T.R. 216      | ---           | ---            |
| <b>Dimensions</b>                              |               |               |                |
| Leakage Distance, Reference Standard, in. [mm] | 72 [1829]     | 72 [1829]     | 72 [1829]      |
| Leakage Distance, High Leak, in. [mm]          | 95 [2413]     | 101 [2565]    | 102 [2591]     |
| Leakage Distance, Extra High Leak, inches [mm] | 107.5 [2731]  | 114 [2896]    | ---            |
| <b>Mechanical Values</b>                       |               |               |                |
| Cantilever Strength, lbs. [kN]                 | 1500 [6.7]    | 3000 [17.7]   | 6000 [26.7]    |
| Tensile Strength, lbs. [kN]                    | 16000 [71.2]  | 25000 [111.2] | 40000 [177.9]  |
| Torsion Strength, in-lbs. [kNm]                | 15000 [1.69]  | 40000 [4.52]  | 90000 [7.96]   |
| Compression Strength, lbs. [kN]                | 25000 [111.2] | 60000 [266.9] | 120000 [533.6] |
| <b>Electrical Values</b>                       |               |               |                |
| Impulse Flashover, Positive, kV                | 390           | 390           | 390            |
| Low Frequency Withstand, 10 Sec. Wet, kV       | 145           | 145           | 145            |
| Impulse Withstand, kV                          | 350           | 350           | 350            |
| <b>Radio Influence Voltage Data</b>            |               |               |                |
| Test Voltage, Rms to Ground, kV                | 44            | 44            | 44             |
| Maximum RIV, Microvolts at 1000 kHz            | 200           | 200           | 200            |
| Net Weight, Each, lbs. [kg]                    | 66.1 [30.0]   | 129.0 [58.5]  | 184.5 [83.7]   |

## G-1: Station Posts: 900 kV BIL



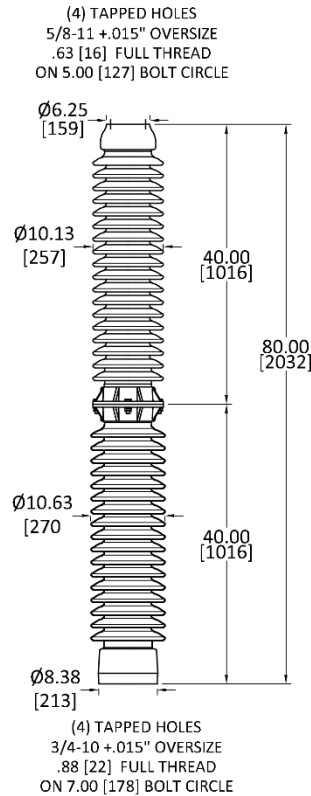
**315304-70+L**

**Standard Strength**



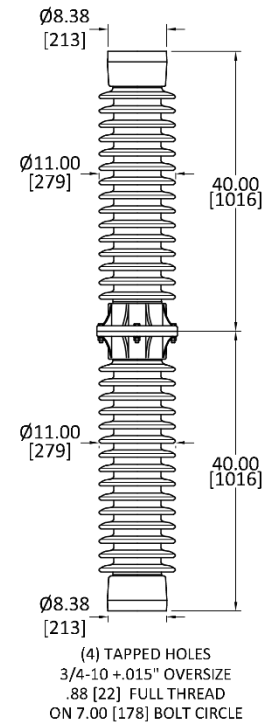
**315308-70+L**

**High Strength**



**314925-70+L**

**Extra High Strength**



**314161-70**

**Extra High Strength**

### Characteristics

| Number (Light Gray-ANSI 70)                    | 315304-70+L   | 315308-70+L   | 314925-70+L   | 314161-70      |
|------------------------------------------------|---------------|---------------|---------------|----------------|
| Number (Brown)                                 | 315304+L      | 315308+L      | 314925+L      | 314161         |
| Number (RG®)                                   | 535304A+L     | 535308A+L     | 500301A+L     | 500181A        |
| ANSI Technical Reference Number                | T.R. 304      | T.R. 308      | ---           | ---            |
| <b>Dimensions</b>                              |               |               |               |                |
| Leakage Distance, Reference Standard, in. [mm] | 165 [4191]    | 165 [4191]    | 185 [4699]    | 164 [4166]     |
| Leakage Distance, High Leak, in. [mm]          | 262 [6655]    | 244 [6198]    | 260 [6604]    | 248 [6299]     |
| Leakage Distance, Extra High Leak, inches [mm] | 286 [7264]    | 260 [6604]    | 283 [7188]    | 275 [6985]     |
| <b>Mechanical Values</b>                       |               |               |               |                |
| Cantilever Strength, lbs. [kN]                 | 950 [4.2]     | 1450 [6.4]    | 2750 [12.2]   | 2750 [12.2]    |
| Tensile Strength, lbs. [kN]                    | 20000 [89.0]  | 25000 [111.2] | 20000 [89.0]  | 40000 [177.9]  |
| Torsion Strength, in-lbs. [kNm]                | 40000 [4.52]  | 90000 [10.16] | 60000 [6.77]  | 120000 [13.56] |
| Compression Strength, lbs. [kN]                | 60000 [266.8] | 75000 [333.6] | 60000 [266.9] | 120000 [533.6] |
| <b>Electrical Values</b>                       |               |               |               |                |
| Impulse Flashover, Positive, kV                | 1010          | 1010          | 1010          | 1010           |
| Low Frequency Withstand, 10 Sec. Wet, kV       | 385           | 385           | 385           | 385            |
| Impulse Withstand, kV                          | 900           | 900           | 900           | 900            |
| <b>Radio Influence Voltage Data</b>            |               |               |               |                |
| Test Voltage, Rms to Ground, kV                | 146           | 146           | 146           | 146            |
| Maximum RIV, Microvolts at 1000 kHz            | 500           | 500           | 500           | 500            |
| Net Weight, Each, lbs. [kg]                    | 220.5 [100.0] | 264.6 [120.0] | 370.5 [168.1] | 469.0 [212.7]  |