

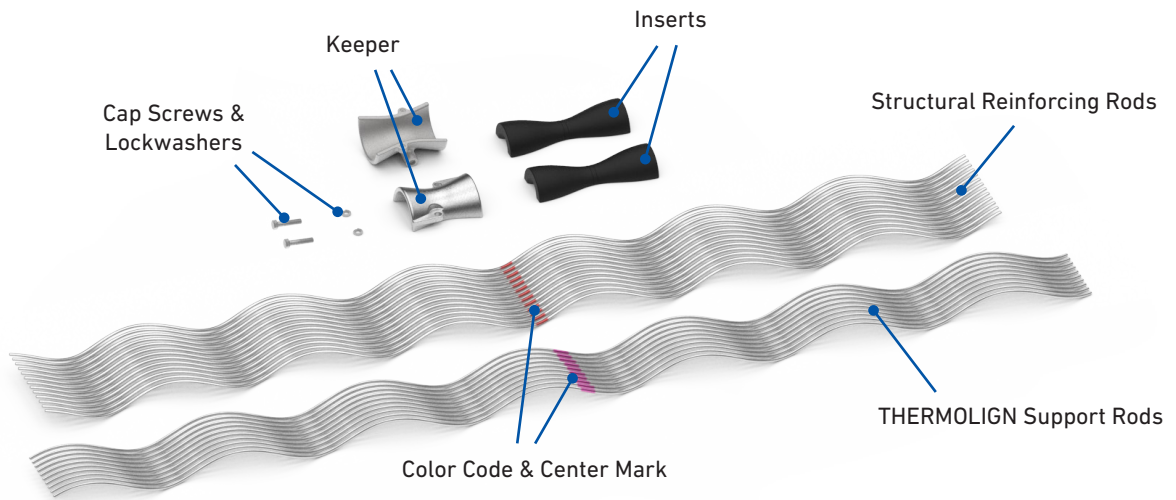
## THERMOLIGN® SUPPORT

The **THERMOLIGN Support** is specifically designed for applications on aluminum-based high-temperature conductors that will be operated at continuous temperatures above 200°C. It utilizes ARMOR-GRIP® Support rods, an additional set of structural reinforcing rods, and elastomer cushion inserts that significantly reduce static and dynamic bending stresses on the conductor at the attachment point.

### FEATURES AND BENEFITS

- Multi-layer design for maximum mechanical performance and maximum heat dissipation
- Minimal heat transferred to mating hardware and insulators
- Cushioned insert surrounds the conductor to provide superior protection against wind- and ice-induced dynamic forces
- Shipped fully assembled with no loose parts to avoid lost hardware
- Available with PARROT-BILL® Rod ends for EHV applications (345 kV and above)
- Compatible with standard clamp top trunnion caps that confirm to ANSI standards

## COMPONENTS



### THERMOLIGN Support®

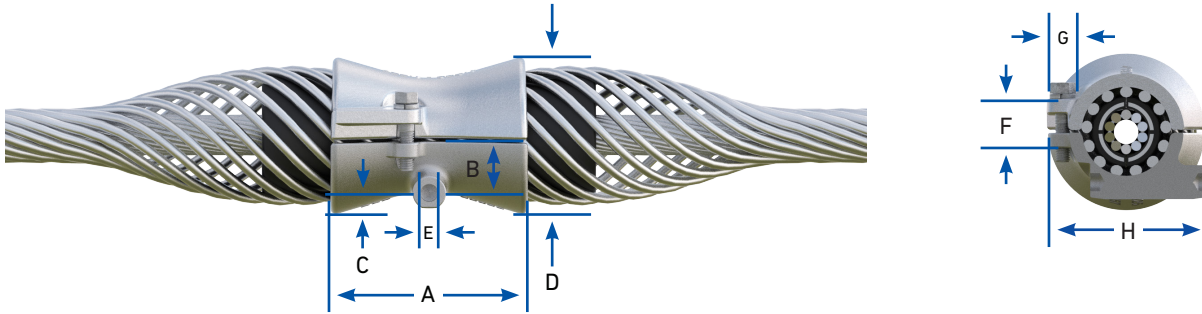
Characteristic	Specification
Unbalanced/Slip Load	Approximately 20% of conductor rated breaking strength
Maximum Vertical Load	5,000 lb (22 kN) in any direction
Maximum Line Angle	30° for single supports

## ORDERING INFORMATION

### THERMOLIGN® Support

Catalog Number	Diameter Range		Length (overall)	Color Code	
			Single		
	in	mm	in (m)	Inner	Outer
TLS-0194	0.637 - 0.637	16.2 - 17.1	98 (2.5)	Black	Black
TLS-0195	0.674 - 0.708	17.1 - 18.0	98 (2.5)	Orange	Orange
TLS-0196	0.709 - 0.726	18.0 - 18.4	100 (2.5)	Green	Purple
TLS-0197	0.727 - 0.759	18.5 - 19.3	100 (2.5)	Pink	Red
TLS-0198	0.760 - 0.786	19.3 - 20.0	100 (2.5)	White	Blue
TLS-0199	0.787 - 0.814	20.0 - 20.7	100 (2.5)	Purple	Green
TLS-0200	0.815 - 0.855	20.7 - 21.7	100 (2.5)	Red	Yellow
TLS-0201	0.856 - 0.894	21.7 - 22.7	100 (2.5)	Blue	Black
TLS-0202	0.895 - 0.916	22.7 - 23.3	100 (2.5)	Black	White
TLS-0203	0.917 - 0.942	23.3 - 23.9	100 (2.5)	Orange	Brown
TLS-0204	0.943 - 0.977	23.9 - 24.8	100 (2.5)	Green	Orange
TLS-0205	0.978 - 1.016	24.8 - 25.8	100 (2.5)	Pink	Purple
TLS-0206	1.017 - 1.057	25.8 - 26.8	100 (2.5)	Purple	Red
TLS-0207	1.058 - 1.079	26.8 - 27.4	112 (2.8)	White	Blue
TLS-0208	1.080 - 1.112	27.4 - 28.2	112 (2.8)	White	Green
TLS-0209	1.113 - 1.150	28.2 - 29.2	112 (2.8)	Yellow	Yellow
TLS-0210	1.151 - 1.188	29.2 - 30.2	112 (2.8)	Yellow	Black
TLS-0211	1.189 - 1.208	30.2 - 30.7	112 (2.8)	Yellow	White
TLS-0212	1.209 - 1.262	30.7 - 32.1	125 (3.2)	Brown	Red

## DIMENSIONS

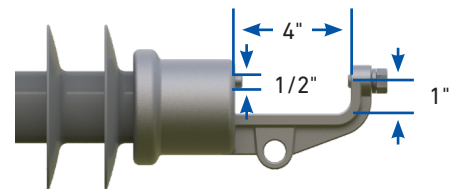


### THERMOLIGN® Support

Conductor Range		Dimensions								Maximum Vertical Load
		in (mm)								lb (kN)
in	mm	A	B	C	D	E	F	G	H	
0.637 - 0.708	14.6 - 18.0	5-1/2 (139.7)	1-5/16 (33.3)	13/16 (20.6)	4-3/16 (106.4)	19/32 (15.1)	2-1/4 (57.2)	3/4 (19.1)	3-7/8 (98.4)	5,000 (22)
0.709 - 0.855	18.0 - 21.7	6 (152.4)	1-1/2 (38.1)	13/16 (20.6)	4-5/8 (117.5)	19/32 (15.1)	2-1/4 (57.2)	3/4 (19.1)	3-7/8 (98.4)	5,000 (22)
0.856 - 1.057	21.7 - 26.9	6-1/2 (165.1)	1-5/8 (41.3)	29/32 (23.1)	5-7/64 (129.8)	19/32 (15.1)	2-1/4 (57.2)	3/4 (19.1)	3-7/8 (98.4)	5,000 (22)
1.058 - 1.208	26.9 - 32.1	7 (177.8)	1-15/16 (49.2)	49/64 (19.4)	5-13/32 (137.3)	19/32 (15.1)	2-1/4 (57.2)	3/4 (19.1)	3-7/8 (98.4)	5,000 (22)

### Clamp Top Trunnion

To ensure proper fit and service life, it is recommended that only line post insulators with clamp top trunnion caps that conform to ANSI standards be used. See the illustration on the right for nominal cap dimensions that illustrate ANSI standards that have been established outlining the permissible dimensions and tolerances for trunnion caps. Consult the insulator manufacturer when in doubt about insulator standards.



The above dimensions are approximates for design information. Consult ANSI specification C29.7-2015 for exact dimensions.