

## COMPOSITE LINE-POSTS

HTV Silicone Rubber, Generation III

Modular System

High Strength Solid Epoxy FRP Rod

**VOLTAGE CLASS:** 1 – 550 kV (>550kV in parallel unit arrangements)

**PRODUCT STANDARDS:** IEC 61952, ANSI C29.17, ANSI C29.18

**EXPERIENCE:** 40 years



### MAIN ADVANTAGES:

- Enables Compact OHTL Design
- Braced Applications offer Extra High Strength
- Superior Pollution Performance (Hydrophobicity Transfer Mechanism)
- Earthquake Resistant
- Vandalism Proof
- Fail-Safe Arrangements (Bendable Bases)
- Able to withstand Extreme Dynamic and Impact Loads
- Light Weight: Easy Transport, Handling, Installation
- Flexible in Design (Modular System)
- Technology proven since more than 40 years

### REFERENCES:

- 69-230 kV USA, various utilities
- 420 kV ESKOM Compact Line “Palmiet-Stikkland” (braced twin post design, crossarm)
- 123 kV SEC, Saudi Arabia
- 145-245 kV Iberdrola, Spain
- 123 kV CEGEDEL, Luxembourg
- 123 kV PSE, Poland
- 24-36 kV ENDESA, Iberdrola, FESCA, Spain
- 15 kV German Railways and distribution lines of German utilities

### DESIGNS:

Core Ø [mm]	Core Ø [inch]	Pollution Classes [SCD, IEC 60815]	Maximum Cantilever Moment** [kN m]	Um*** [kV]
36.8	1.45	12-31 mm/kV	10	36
45.0	1.75	12-31 mm/kV	15	72.5
63.5	2.5	12-31 mm/kV	20	170
76.2	3.0	12-31 mm/kV	30	245
88.9	3.5	12-31 mm/kV	40	362
101.6	4.0	12-31 mm/kV	50	550

\* higher specific creepage distance available, e.g. 40 mm/kV

\*\* for SCL (Specified Cantilever Load)

\*\*\* typical max. system voltage for single unit arrangement

### END FITTINGS:

- Anchor base for fixed and bendable bas plates
- Trunnion (Horizontal Clamptop)
- 2-Hole Blade
- Flanges (IEC and ANSI)
- Special Fittings (Clevis, Tongue etc.)
- Tailormade (Customer) end fittings