

# RODURFLEX

## 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

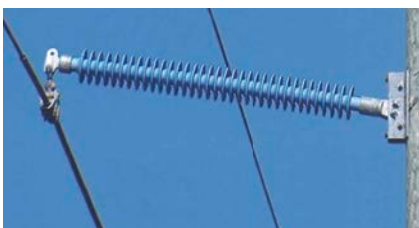
### Designs

Shank $\varnothing$		Pollution Classes*	Maximum Cantilever Moment**	Um***
[mm]	[inch]	[SCD, IEC 60815]	[kN m]	[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
130	5.12	12 – 31 mm / kV	>50	550
170	6.69	12 – 31 mm / kV	>50	550

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

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

\*\* for SCL (Specified Cantilever Load)



### 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

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