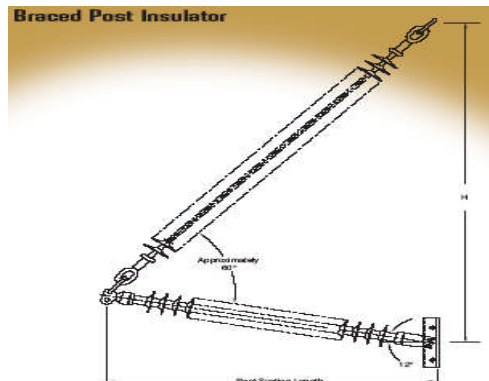


Composite Insulating Crossarms



Brand:

RODURFLEX® ICA

Technology:

- HTV Silicone Rubber, Generation III
- Modular System:
- High Strength Solid Epoxy FRP Rod

Voltage Class:

1 – 550 kV (>550kV in parallel post arrangements)

Product Standards:

IEC 61952, IEC 61109, ANSI C29.17, ANSI C29.18

Experience:

40 years

Designs:

| Core Ø [mm] [inch] | Pollution Classes* [SCD, IEC 60815] | Post Base Attachments** | Um*** [kV] |
|-----------------------|--|--|---------------|
| 45.0 1.75 | 12-31 mm/kV | Braced Post (Bendable&Fix), Horizontal V | 72.5 |
| 63.5 2.5 | 12-31 mm/kV | Braced Post (Bendable&Fix), Horizontal V | 245 |
| 76.2 3.0 | 12-31 mm/kV | Braced Post (Bendable&Fix), Horizontal V | 300 |
| 88.9 3.5 | 12-31 mm/kV | Braced Post (Bendable&Fix), Horizontal V | 420 |
| 101.6 4.0 | 12-31 mm/kV | Braced Post (Bendable&Fix), Horizontal V | 550 |

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

** the maximum admissible mechanical load depends on the arrangement of the base of the post

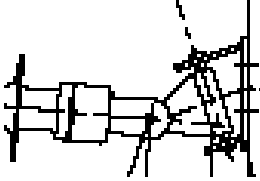
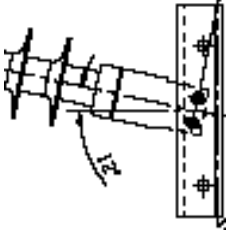
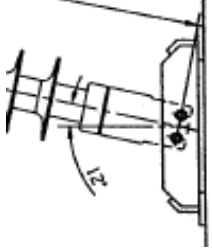
*** typical max. system voltage for single unit (single post) arrangement

Shed/Housing Profiles:

- smooth sheds
- underrib sheds

— all profiles in accordance with IEC TS 60815-3

Post Base Attachments

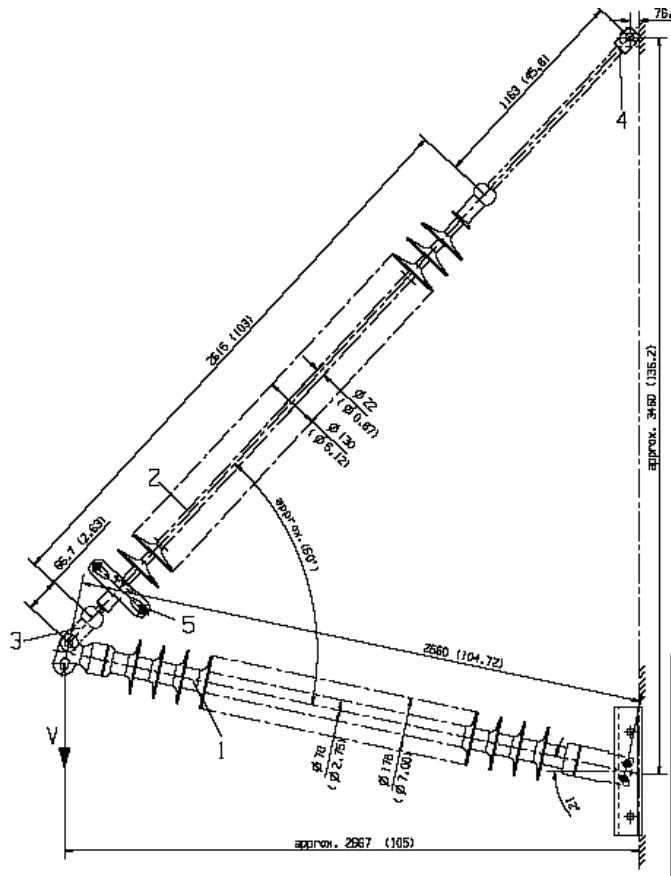
| Horizontal V | Braced Post Bendable Base | Braced Post Fixed Bases |
|---|---|---|
|  |  |  |

Example for 245kV Horizontal V

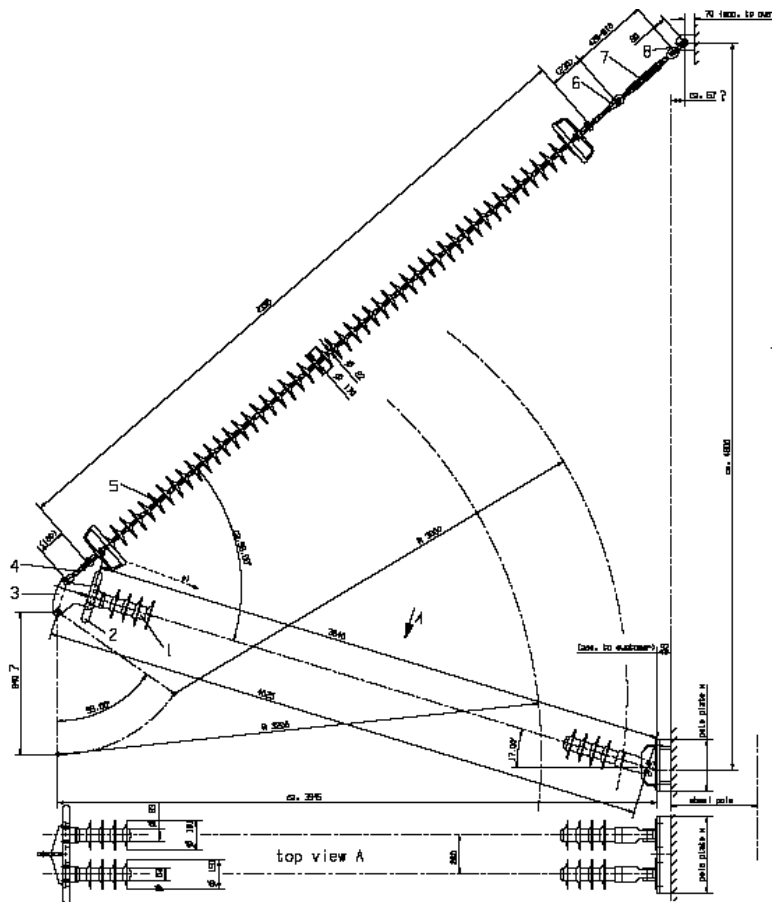


Main Advantages:

- Enables Compact OHTL Design
- Reduced Right of Way
- 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



230 kV Braced CLP with Bendable Base



420 kV Extra-High Strength Twin Post Composite Insulating Crossarm (Fixed Base)