Composite Station Posts

- HTV Silicone Rubber, Generation III
- Modular System

**Main advantages**

- Superior Pollution Performance (Hydrophobicity Transfer Mechanism)
- Earthquake Resistant
- Vandalism Proof
- Able to withstand extreme dynamic and impact loads

**Voltage Class**: 1 – 550 kV (>550kV in parallel arrangements)

**Product Standards**: IEC 62231, ANSI C29.19, ANSI C9.9 TR

**Experience**: 40 years

**Light Weight**: Easy Transport, Handling, Installation

**Flexible in Design**: (Modular System)

**Technology proven since more than 40 years**

**References**

- 123 kV ABB (WAPDA, Pakistan)
- 123 kV SAG Germany (German utilities)
- 145 kV ABB U.K.

- 123 kV RWE Germany
- 123 kV ELES Slovenia

**Designs**

<table>
<thead>
<tr>
<th>Shank Ø [mm]</th>
<th>Shank Ø [inch]</th>
<th>Pollution Classes* [SCD, IEC 60815]</th>
<th>Maximum Cantilever Moment** [kN m]</th>
<th>Um*** [kV]</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.8</td>
<td>1.45</td>
<td>12 – 31 mm / kV</td>
<td>10</td>
<td>36</td>
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<tr>
<td>45.0</td>
<td>1.75</td>
<td>12 – 31 mm / kV</td>
<td>15</td>
<td>72.5</td>
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<td>63.5</td>
<td>2.5</td>
<td>12 – 31 mm / kV</td>
<td>20</td>
<td>170</td>
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<td>76.2</td>
<td>3.0</td>
<td>12 – 31 mm / kV</td>
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<td>88.9</td>
<td>3.5</td>
<td>12 – 31 mm / kV</td>
<td>40</td>
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<td>101.6</td>
<td>4.0</td>
<td>12 – 31 mm / kV</td>
<td>50</td>
<td>550</td>
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<td>130</td>
<td>5.12</td>
<td>12 – 31 mm / kV</td>
<td>&gt;50</td>
<td>550</td>
</tr>
<tr>
<td>170</td>
<td>6.69</td>
<td>12 – 31 mm / kV</td>
<td>&gt;50</td>
<td>550</td>
</tr>
</tbody>
</table>

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

** for SCU (specified creepage unit)

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

**End Fittings**

- DIN 120 mm Flange
- IEC Bolt Circle Ø 127 mm Flange
- IEC Bolt Circle Ø 200, 225, 254, 275, 300, 325, 356 mm Flange

- ANSI Bolt Circle Ø 76, 127, 178 mm

- Special Fittings: clamping / tongue, clevis / 2-hole blade