Composite Suspension

- HTV Silicone Rubber, Generation III
- Modular System
- ECR Glass Brittle Fracture Resistant FRP Core
- Fail-safe metastable sealing system
- Extreme Creepage Options
- Voltage Class: 1 – 800 kV
  (>800 kV in serial unit arrangements)
- Product Standards: IEC 61109, ANSI C29.11, ANSI C29.12
- Experience: > 40 years

Shed / Housing Profiles

- Smooth sheds / underrrib sheds
- All profiles in accordance with IEC TS 60815-3

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) available
- 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
- 45 – 245 kV Iberdrola, Spain
- 123 kV CEGEDEL, Luxembourg
- 123 kV PSE, Poland
- 24 – 36 kV all Utilities in Spain
- 15 kV German Railways and Distribution Lines of German Utilities

Designs

<table>
<thead>
<tr>
<th>Core Ø</th>
<th>Specified Mechanical Load (SML) Class</th>
<th>Specific Creepage Distance*</th>
<th>h1, Max**</th>
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<tbody>
<tr>
<td>[mm]</td>
<td>[in]</td>
<td>[kN]</td>
<td>[mm / kV]</td>
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<tr>
<td>16</td>
<td>0.63</td>
<td>133</td>
<td>12 – 55</td>
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<tr>
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<tr>
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<td>1.75</td>
<td>750</td>
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<td>1500</td>
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<td>76.2</td>
<td>3.0</td>
<td>2000</td>
<td>12 – 55</td>
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</tbody>
</table>

* In accordance with IEC 60815, higher specific creepage distance possible in individual cases
** max connection length

End Fittings

- All IEC 60120 and IEC 60471 types
- All ANSI C29.12, S2-3, S2-5, S2-8, S2-11
- All IEC 61466 types
- Special customer and tailored fittings possible