

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 (>800kV in serial unit arrangements)
PRODUCT STANDARDS: IEC 61109, ANSI C29.11, ANSI C29.12
EXPERIENCE: > 40 years



SHED / HOUSING PROFILES:

- smooth sheds / underrib 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
- 145-245 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:

Core Ø [mm]	Core Ø [inch]	Specified Mechanical Load (SML) Class [kN]	Specific Creepage Distance* [mm/kV]	h1, Max ** [mm]
16	0.63	133	12-55	6000
24	0.95	310	12-55	8000
36.8	1.45	550	12-55	8000
45	1.75	750	12-55	8000
63.6	2.5	1500	12-55	8000
76.2	3.0	2000	12-55	8000

* 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 IEC 61466 types
 all ANSI C29.12, 52-3, 52-5, 52-8, 52-11 special customer and tailor-made fittings possible