

PORCELAIN HOLLOW INSULATORS



Wet Process Porcelain
 Extrusion Technology
 Wet Turning Process
 C130 and C130 HS (Ultra High Strength) Alumina Porcelain
 High Creepage Options
 Brown RAL 8017 / Grey ANSI 70
 Conical Shape (Tapered for DTB and Bushings)
 Cylindrical Shape (LTB, DTB)
 Barrel Shape (LTB)
 Special Customer Design Shape (Bushings, Housings)
 EHV multi-piece (epoxy glued) technology

VOLTAGE CLASS: 1 – 1100 kV (up to >9 m with glued multi-piece design)
PRODUCT STANDARDS: IEC 62155, IEC 60672, IEC TS 62371 (draft)
EXPERIENCE: > 70 years



MAIN ADVANTAGES:

- Most Reliable Hollow Insulator Product
- Extreme Weather and Environmental Resistant
- High/Ultra High Mechanical Strength
- Extreme Low Deflections under Mechanical Loading (in comparison to Composite Hollow Insulators)
- Life-Expectancy > 40 years
- Full Customer Specific Design Options
- 1-piece designs up to 245 kV
- 2-piece design for 420 kV
- 3-piece design for 525 kV
- 4-piece design for 800 kV
- Silicone Coatings available for Applications under Extreme Pollution

REFERENCES:

- Siemens (LTB, Germany)
- Siemens (DTB, USA)
- Areva (LTB, DTB, Germany, France, China, Mexico, USA)
- ABB (Sweden, Switzerland)
- Mitsubishi Electric Company (DTB, USA)
- S&C (LTB, USA)
- Kuhlmann (CT/VT, USA)
- Cooper (USA)
- Ohio Brass/Hubbel (Surge Arrestors, USA)

See also our complete Reference List for Porcelain Hollow Insulators

DESIGNS:

Inner Ø		Min. Wall Thickness	Pollution Class*	h1, Max **
[mm]	[inch]	[mm]	[mm/kV]	[mm]
from 100	from 4"	> 15	12 - 55	up to 1500
up to 750	up to 30"	> 60	12 - 55	up to 2600

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

END FITTINGS:

- Flanges
- Special Fittings with Inserts and Field Control Devices
- IEC TS 62371 (draft) types
- Special customer and tailormade fittings