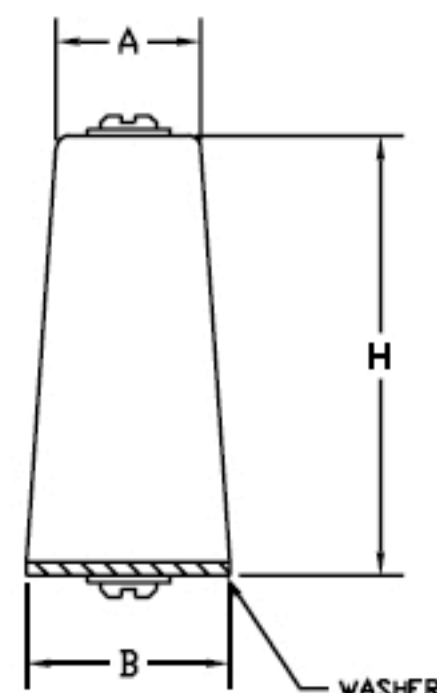


High Voltage Insulators

High Voltage Insulators

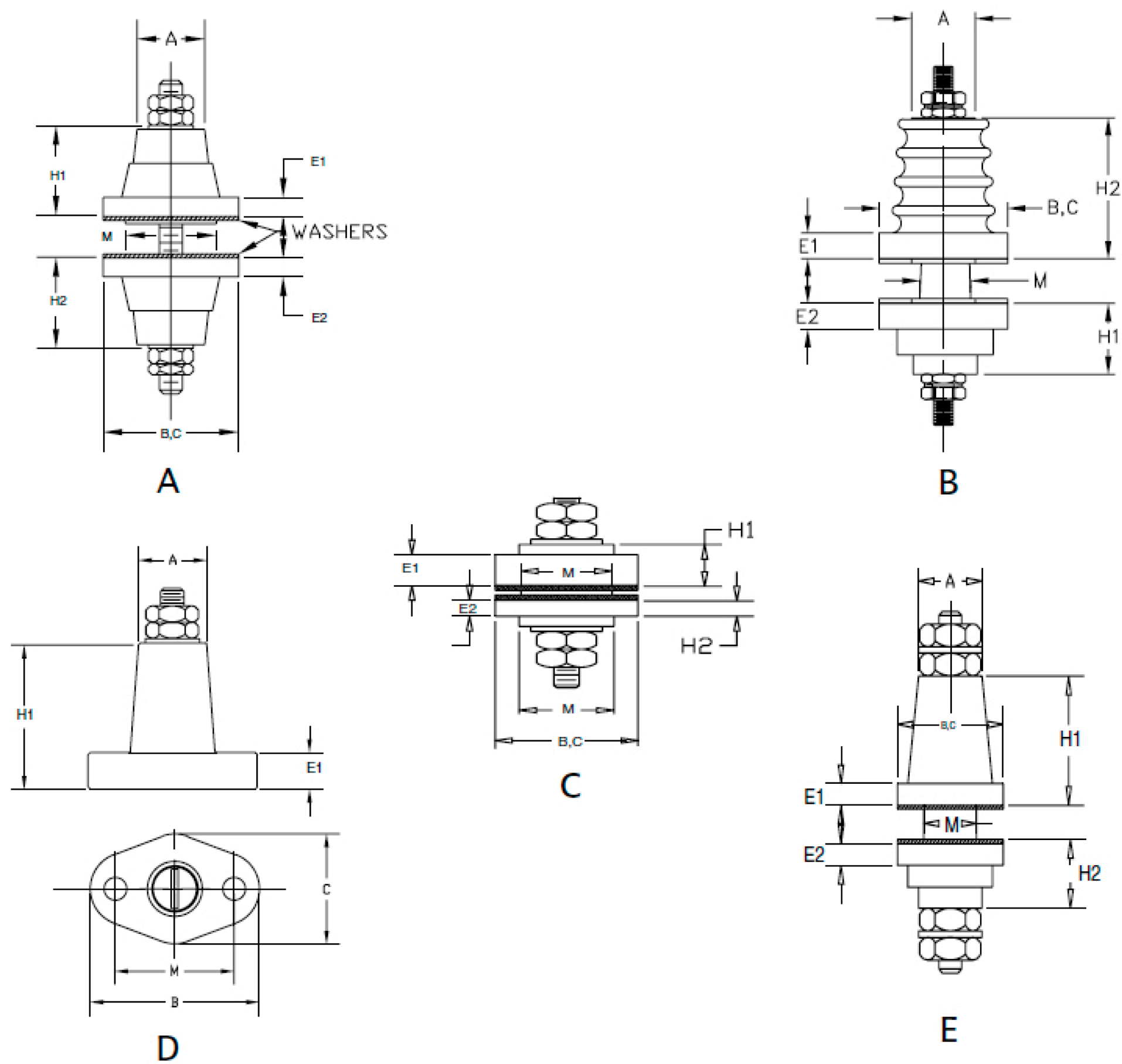
- Abbatron High Voltage Insulators are ideal for high-voltage, high-temperature standoff and/or feed-thru applications. They are not intended for high-vacuum or hermetically sealed use, nor with heavy shear loads.
- Temperature ratings recommend Steatite safe operation to 1800°F (980°C). Cushion washers may further limit operating temperature.
- Voltage ratings (recommended in table) are specified under clean, dry conditions only. Moisture and/or dirt will de-rate up to 50%.
- Nominal operating current, limited by hardware size, shown for AC, 60Hz, 10°C rise.
- These insulators are made from Grade L-5 Steatite per MIL-I-10E. Hardware is nickel plated brass except for solder lugs, which are tin plated. Cushion washers are "Champak", compressed paper or cork.



PART NO.	VOLT RATING	MIN. DIA. A	MIN. DIA. B	HEIGHT H	SCREW SIZE
9500	3 KV	7/16	5/8	21/32	6-32
9501	4 KV	1/2	3/4	1-1/32	8-32
9502	5 KV	1/2	1	1-9/16	8-32
9503	10 KV	5/8	1-1/8	2-1/16	10-32

Steatite Material Specifications:

- Water absorption 0.05% maximum
- 2600°C softening temperature
- Coefficient of Expansion 7.5 (In/In. per °C x 10⁻⁶)
- Dielectric strength 250 Volts per mil.
- .003 power factor at 1MHz
- Clear glaze finish over creamy white colored Steatite material.



All insulators are supplied with hardware shown.

PART NO.	FIG.	VOLT RATING	HEIGHT		HEIGHT		MIN. DIA.	FLANGE WIDTH		MOUNTING	SCREW THD SIZE	STUD LENGTH
			H1	H2	E1	E2		B	C			
9524	D	1KV	5/8		3/32		13/64	1	7/32	11/16	6-32	13/64
9555AD	C		1/4	5/32	3/16	3/32	1/2	3/4	3/4	1/2		1-1/4
9550AA	A		1/2	1/2	1/8	1/8	3/8					2
9522	D	3KV	1		7/64	7/64	15/32	1-5/32	19/64	13/16	8/32	1/4
9542AA	E		7/8	3/8	1/8	1/8	1/2	3/4	3/4	3/8		2-3/8
9551AB	A		27/32				5/8	1-1/4	3/16	7/8		2-7/8
9540AB	E	5KV	1-1/4		1/2		19/32	15/16		7/16	10/32	W2-7/8
9545	B		1-3/8		11/16		5/8	1-1/4	1/4	1/2		3-1/2
9552AA	A		1-1/8				7/8	1-3/4		1-1/4		4-3/8