

# CHARDON 600A 15kV/25kV Insulated Protective Cap



## APPLICATION

The Chardon 600 Amp 15/25 kV Insulated Cap meets all requirements of IEEE standard 386 – 2009. It provides insulated, fully shielded submersible protection for 15 and 25 kV class deadbreak interfaces and is fully interchangeable with competitor's products that also meet IEEE standard 386.

The Chardon Insulated Cap design incorporates peroxide cured, EPDM insulation rubber, and a semi-conducting insert and outer shield. The outer conductive shield maintains ground potential on the cap's surface when a grounding wire is connected to a common ground.

## PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- Minimum Corona Voltage Level – 19 kV
- AC 1 Minute Withstand – 40 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

- Physical Inspection
- Periodic Dissection
- Periodic X-ray Analysis

## VOLTAGE RATINGS

<b>Voltage Class</b>	25 kV
<b>Max. Rating Phase to Ground</b>	15.2 kV
<b>AC 60Hz 1 Minute Withstand</b>	40 kV
<b>DC 15 Minute Withstand</b>	78 kV
<b>BIL and Full Wave Crest</b>	125 kV
<b>Minimum Corona Voltage Level</b>	19 kV

• Revision Date: 12.23.2023

## DETAILED COMPOSITION OF THE CHARDON 25KV INSULATED CAP

### SEMICONDUCTING SHIELD

Precision molded peroxide cured semiconducting shield provides ground shield continuity and meets the requirements of IEEE Standard 592.

### PULLING EYE

Stainless steel pulling eye for hotstick operations.

### DRAIN WIRE TAB

Drain wire tabs enable easy drain wire connection for shield grounding. Drain wire is included with the product.

### THREADED ALUMINUM INSERT 5/8"-11 UNC 2A

Allows cap to be installed on bushing with a standard 600 A stud.

### INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated in-house for complete control of rubber characteristics.

### DRAIN WIRE TAB

Drain wire tabs enable easy drain wire connection for shield grounding. Drain wire is included with the product.

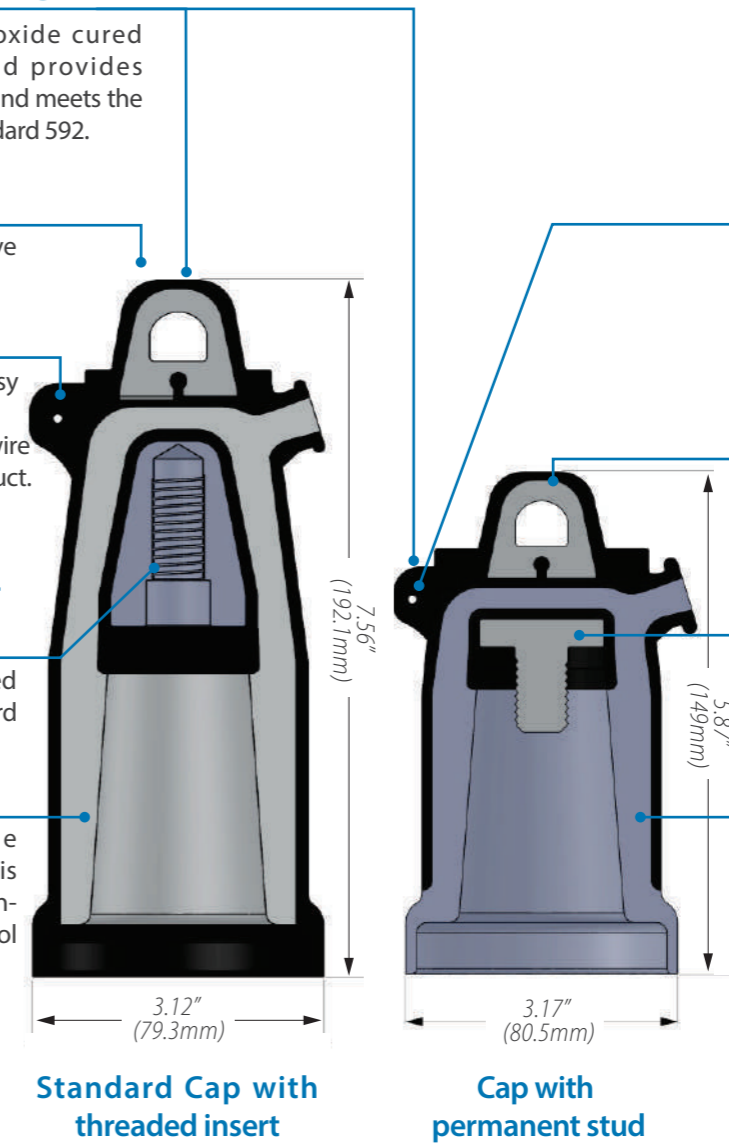
### PULLING EYE

Stainless steel pulling eye for hotstick operations.

### 5/8"-11 UNC 2A ALUMINUM THREAD

### INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated in-house for complete control of rubber characteristics.



## ORDERING INFORMATION

Each kit includes the following:

- Insulated Cap
- Silicone Lubricant
- Installation Instruction Sheet

Standard Cap with threaded insert	25-DIC600
Cap with permanent Stud	25-DIC600S





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