# CHARDON 600A 35kV
# Insulated Protective Cap

## APPLICATION

The Chardon 600 Amp 35 kV Insulated Cap meets all the requirements of IEEE standard 386-2009. It provides insulated, fully shielded submersible protection for 35 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 – 50 kV
/ AC 1 Minute Withstand – 26 kV

**Tests conducted in accordance with Chardon manufacturing process requirements:**
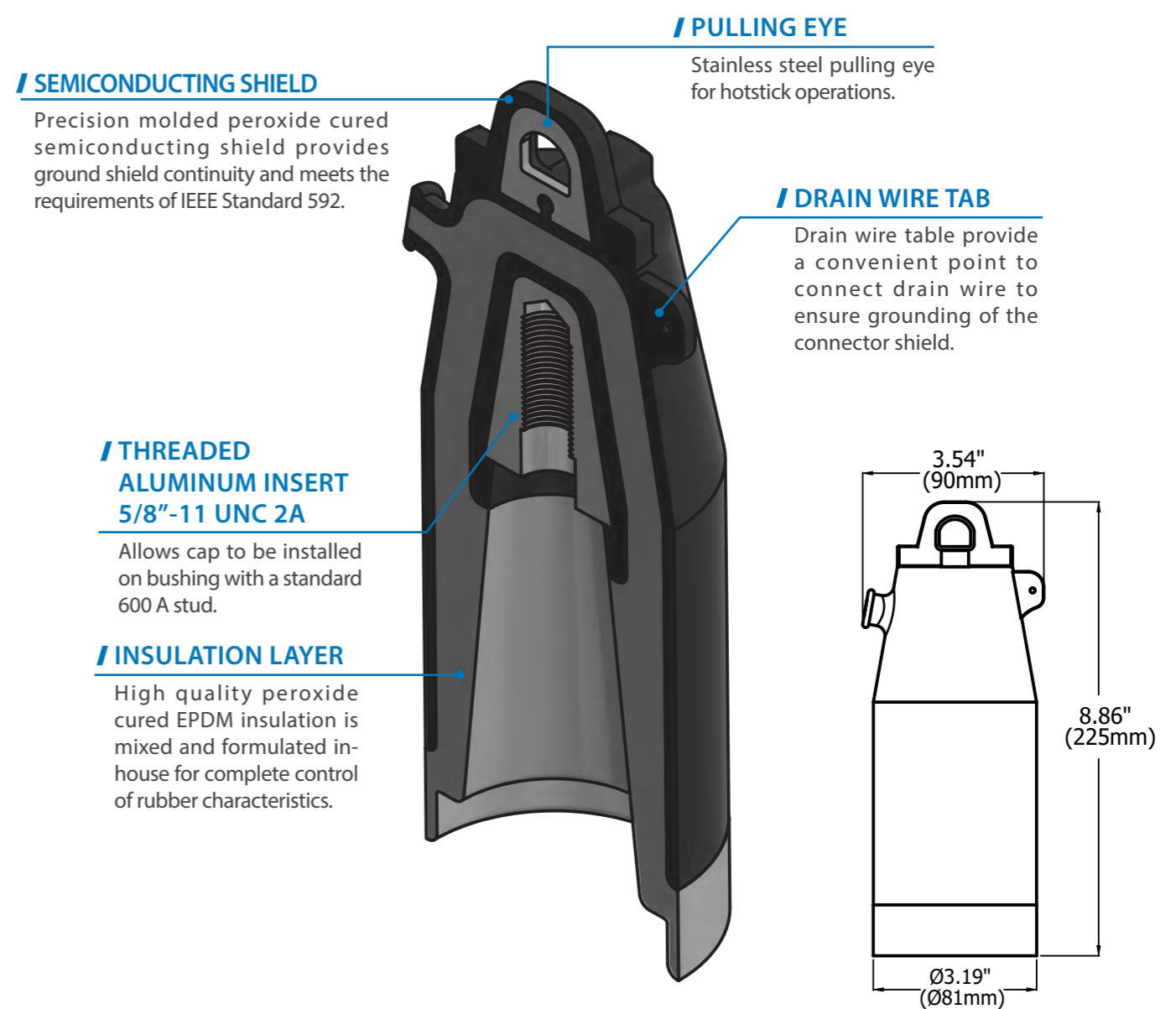/ Physical Inspection
/ Periodic Dissection
/ Periodic X-ray Analysis

## VOLTAGE RATINGS

| Voltage Class | 35 kV |
|---|---|
| Max. Rating Phase to Ground | 21.1 kV |
| AC 60Hz 1 Minute Withstand | 50 kV |
| DC 15 Minute Withstand | 103 kV |
| BIL and Full Wave Crest | 150 kV |
| Minimum Corona Voltage Level | 26 kV |

## DETAILED COMPOSITION OF THE CHARDON 35KV 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 table provide a convenient point to connect drain wire to ensure grounding of the connector shield.

**/ 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.

3.54" (90mm)

8.86" (225mm)

Ø3.19" (Ø81mm)

## ORDERING INFORMATION

**Each kit includes the following:**
/ Insulated Cap
/ Silicone Lubricant
/ Installation Instruction Sheet

| Standard Cap with threaded insert | 35-DIC600 |
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