

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

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

• Revision Date: 07.25.2024

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.

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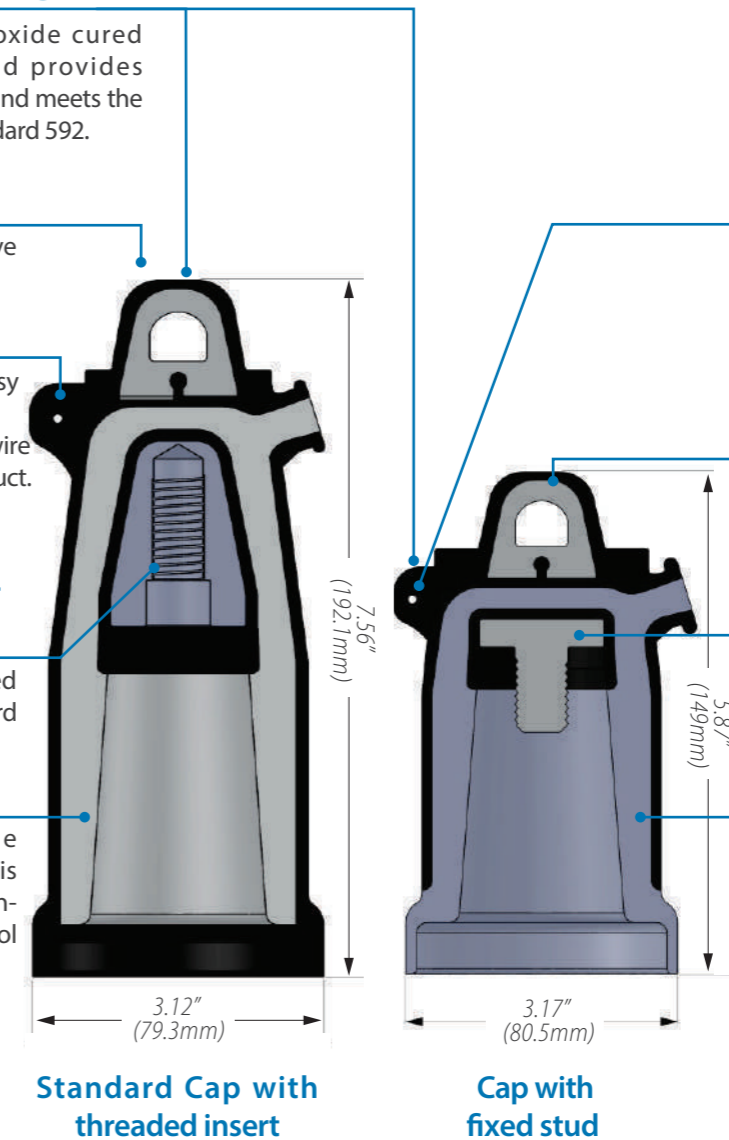
PULLING EYE

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
- Optional aluminum stud for 25-DIC600-SRV only

Standard Cap without stud	25-DIC600
Standard Cap with removable stud	25-DIC600-SRV
Cap with fixed stud	25-DIC600S



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