

**15/25kV 600A**  
*Apparatus Bushing*



## APPLICATION

The Chardon 15/25kV 600A Apparatus Bushing meets all requirements of IEEE Standard 386-2016 (separable insulated connector system). It is designed for the termination of primary winding leads at the face plate of SF<sub>6</sub> oil filled (or approved equivalents) single phase and three phase transformers and switchgear rated at

8.3/14.4kV, 15.2/26.3kV. The bushing is externally mounted and clamped in place with stainless steel 4 hole mounting clamps. It fits in a 2.875inch (73.0mm) hole on the apparatus tank wall. All 600 A separable connectors manufactured according to IEEE Std 386-2016 standard will operate with this bushing.

## INSTALLATION

The Chardon bushing is installed on the tank wall of the SF<sub>6</sub> gas filled (or approved equivalents) transformer or switchgear. The rubber gasket is placed in the groove on the rear side of the bushing well (facing

the transformer or switchgear). The steel clamp is then placed over the bushing, and through the threaded studs mounted on the tank wall. The clamp is then bolted in place.

## PRODUCTION TESTS

- AC 60Hz 1 Minute Withstand – 40kV
- Partial Discharge - 21.5kV  $\leq$ 5pC

### Internal CHARDON Quality assurance requirements:

- Physical inspection
- Periodic Fluoroscopic (X-ray) Inspection

## VOLTAGE RATINGS

<b>Standard Voltage Class</b>	25kV
<b>Maximum Rating Phase-to-ground</b>	15.2kV
<b>AC 60Hz 1 Minute Withstand</b>	40kV
<b>BIL and Full Wave Cest</b>	125kV
<b>Partial Discharge</b>	21.5kV $\leq$ 5pC

## CURRENT RATINGS

Description	Test Parameters
<b>Continuous</b>	600 amps rms
<b>Short Time</b>	<ul style="list-style-type: none"><li>25,000 amps rms symmetrical for 0.17 s</li><li>10,000 amps rms symmetrical for 3.0 s</li></ul>

## ORDERING INFORMATION

**15/25kV 600A Appratus Bushing w/o Stud, Nut, Gasket and Clamp**

15/25-AB600

**15/25kV 600A Appratus Bushing w/ Stud, Nut, Gasket and 4 Hole clamp**

15/25-AB600 4SS

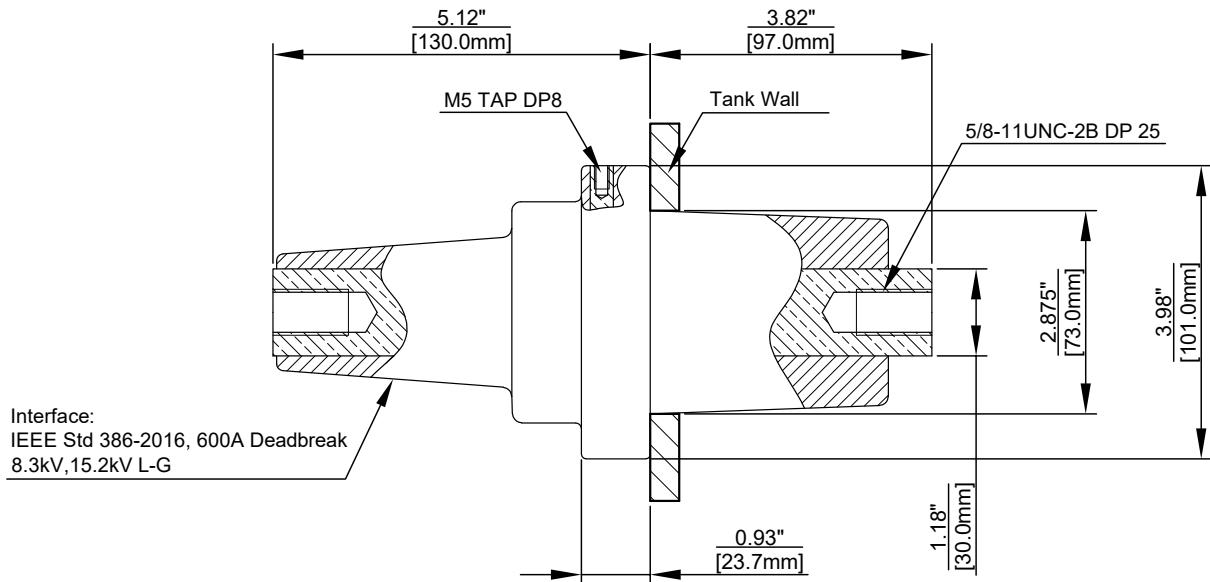


Figure 1. 15/25kV 600A Apparatus Bushing

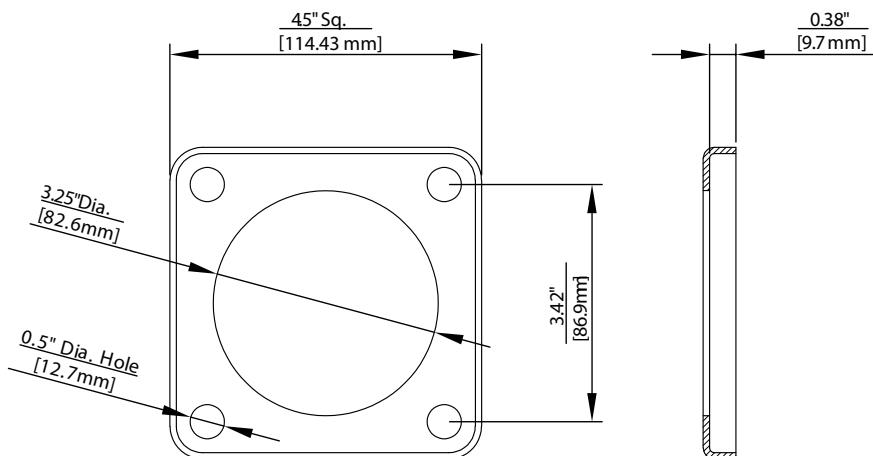


Figure 2. 4 Hole Clamp



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