

## **200A, 25 kV Class Loadbreak Bushing Insert**



APPLICATION

The Chardon Bushing Insert threads onto a standard 200A bushing well. The combination of the bushing well and bushing insert perform the same function as a one piece integral loadbreak bushing, while providing the flexibility to change the bushing insert in the field, without taking the transformer or other apparatus out of service. The bushing insert and loadbreak elbows are the primary components in all ANSI/IEEE loadbreak connections.

The Chardon Bushing Insert incorporates an all copper current path. This provides reliable and consistent performance under all conditions.

The Chardon Bushing Insert meets all the requirements of IEEE Standard 386, and is fully interchangeable with competitor's products and mating products that also meet IEEE Standard 386. When installed with mating components, the bushing insert provides a fully shielded and fully submersible connection for loadbreak applications.

No special tools are required for installation. The bushing insert can be installed by hand or with the assistance of a torque tool. An internal hex broach allows for the installation by the torque tool.

PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- Partial Discharge – 19 kV ≤5pC
- 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

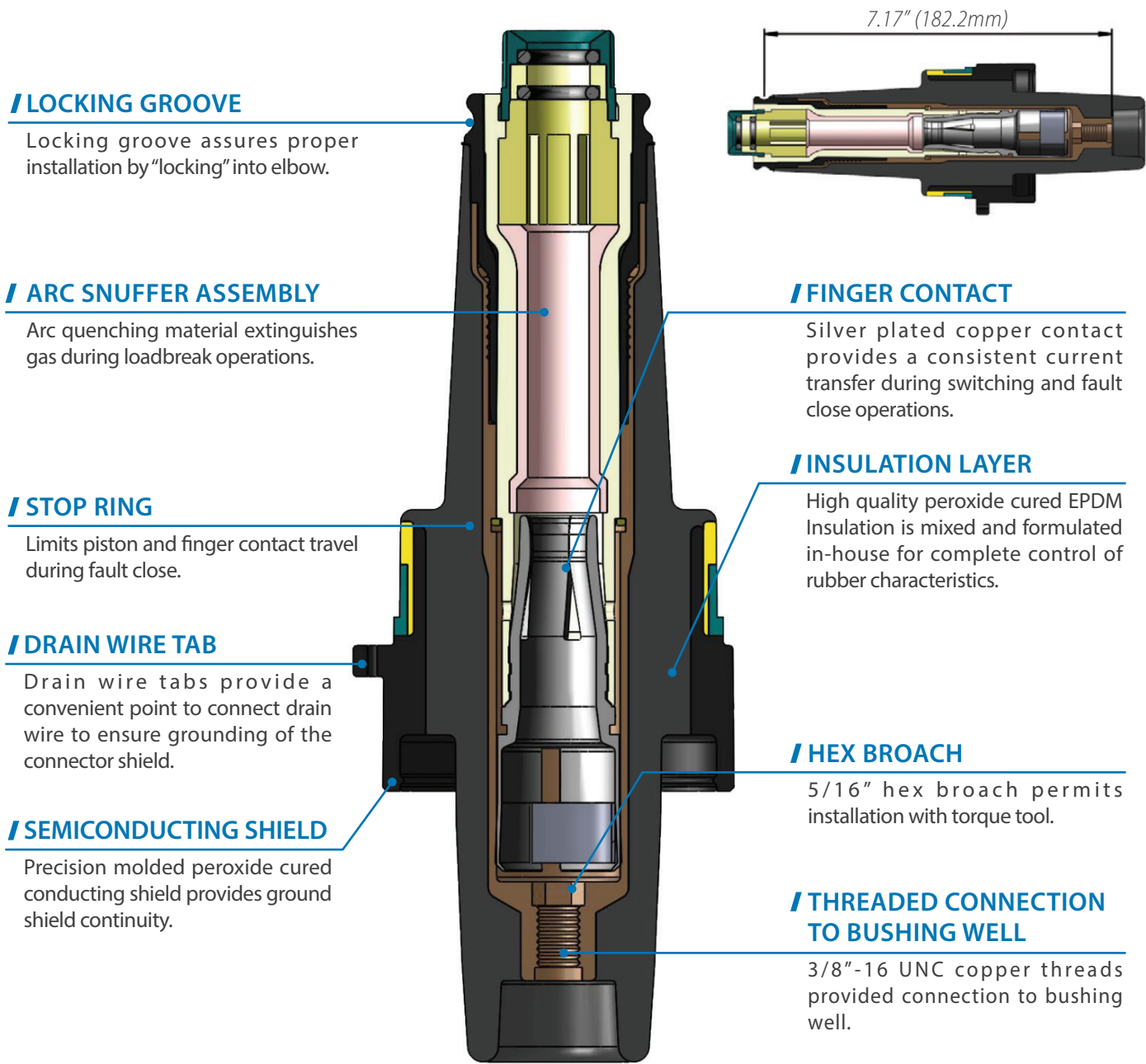
Voltage Class	25 kV
Max. Rating Phase to Phase	26.3 kV
Max. Rating Phase to Ground	15.2 kV
AC 1 Minute Withstand	40 kV
DC 15 Minute Withstand	78 kV
BIL and Full Wave Crest	125 kV
Partial Discharge	19 kV≤5pC

•25-LBI200-121825-REV01

CURRENT RATINGS

Description	Test Parameters
Continuous	200A rms
Switching	10 operations at 200A rms at 26.3 kV
Fault Close	10,000A rms symmetrical at 26.3 kV for 0.17 s after 10 consecutive successful switching operations
Short Time	• 10,000A rms symmetrical for 0.17s • 3,500 amps rms symmetrical for 3.0s

DETAILED COMPOSITION OF THE CHARDON LOADBREAK BUSHING INSERT



ORDERING INFORMATION

25 kV, 200A Loadbreak Bushing Insert	25-LBI200
--------------------------------------	-----------





**ANHUI CHARDON ELECTRIC LTD.**

No.808 Taiji Road Economic Develop Zone of Guangde  
County Anhui China

Tel: 0563-2216688

Fax: 0563-2251806

**CHARDON TAIWAN CORPORATION**

No.37 Min-Chie Road, Tung Lo Industrial Park, Miao Li,  
Taiwan 366

Tel: +886-37-984385

Fax: +886-37-984770

**SHANGHAI CHARDON ELECTRIC LTD.**

Room 1202, office building No.399, Yun Gu Road ,  
Jiading district, Shanghai, China 201801

Tel: +86-21-39105900

Fax: +86-21-391059166

[www.chardongroup.com](http://www.chardongroup.com) [info@chardongroup.com](mailto:info@chardongroup.com)