

200A, 35 kV Class Loadbreak Rotatable Feed Thru Insert



APPLICATION

The Chardon Loadbreak Feed Thru Insert threads onto a standard 200A bushing well and provides dual loadbreak bushing interfaces. It can convert radial-feed transformers to feed thru transformers and add in-line arrester protection if needed. The torque limit ratchet feature prevents the bushing well stud from breaking during installation. The ratchet feature allows users to rotate the feed thru insert for 360° to orient the feed thru insert in the desired position. The Chardon Loadbreak Feed Thru 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 Feed Thru Insert provides a fully shielded and fully submersible connection for loadbreak applications.

PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- / Partial Discharge – 26 kV≤5pC
- / AC 1 Minute Withstand – 50 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

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

VOLTAGE RATINGS

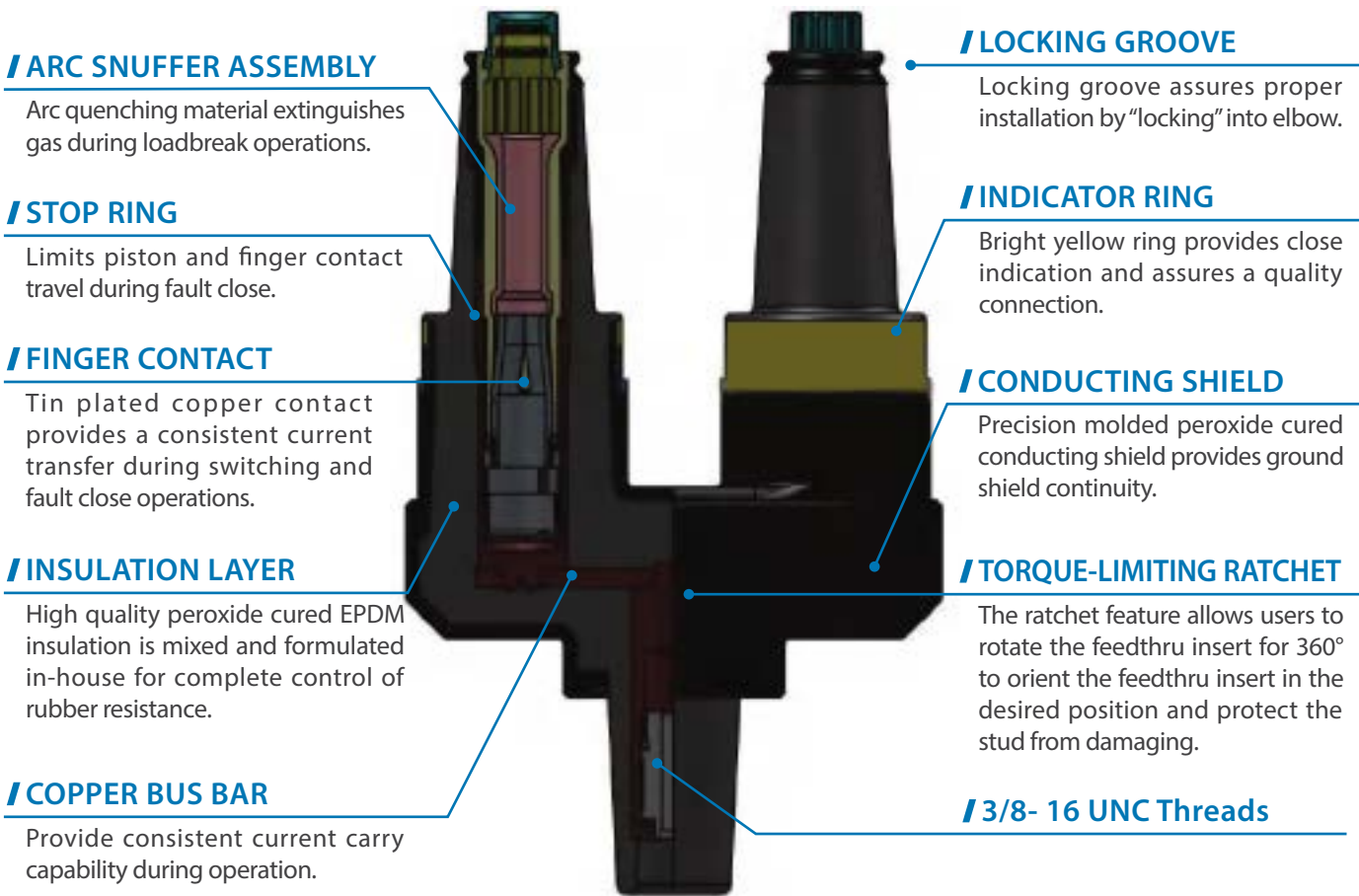
Voltage Class	35 kV
Max. Rating Phase to Phase	36.6 kV
Max. Rating Phase to Ground	21.1 kV
AC 1 Minute Withstand	50 kV
DC 15 Minute Withstand	103 kV
BIL and Full Wave Crest	150 kV
Partial Discharge	26 kV≤5pC

• 35-LFTI200-121825-REV02

CURRENT RATINGS

Description	Test Parameters
Continuous	200 amps rms
Switching	10 operations at 200 amps rms at 36.6 kV
Fault Close	10,000 amps rms symmetrical at 36.6 kV for 0.17 s after 10 consecutive successful switching operations
Short Time	• 10,000 amps rms symmetrical for 0.17 s • 3,500 amps rms symmetrical for 3.0 s

DETAILED COMPOSITION OF THE CHARDON LOADBREAK FEED THRU INSERT



ORDERING INFORMATION

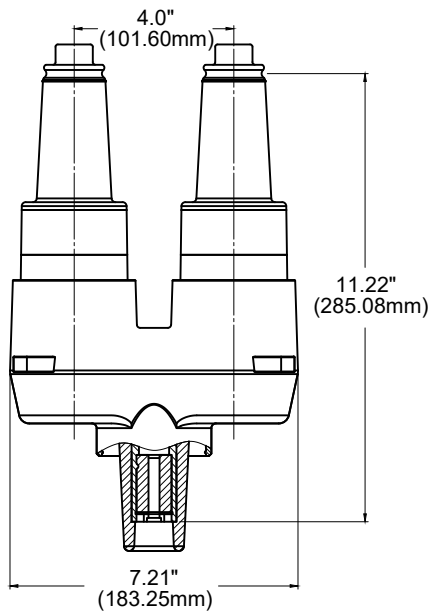
35kV,200A Loadbreak Feed Thru Insert	35-LFTI
--------------------------------------	---------

Each kit contains:

- / Rotatable Feed Thru Insert
- / Shipping Cap (not for energized operation)
- / Stainless Steel Bail Assembly
- / Silicone Lubricant
- / Installation Instruction Sheet

Replacement Part

Bail Assembly	35-BAIL-LFTI
---------------	--------------





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 info@chardongroup.com