

## 35kV 200kV BIL Cold Shrink Hammerhead

### Product Data Sheet

The Richards 35kV Cold Shrink Hammerhead is an innovative Deadbreak Elbow design that eliminates the need for several components and simplifies the installation process. This range-taking design obsoletes the need for a Cable Adapter and features an Integral Jacket Seal.

The CSH Series is molded in the USA from EPDM compounds produced in-house by our polymer production division. The Deadbreak "T-body" is fully-shielded, submersible and available with or without a capacitive test point.

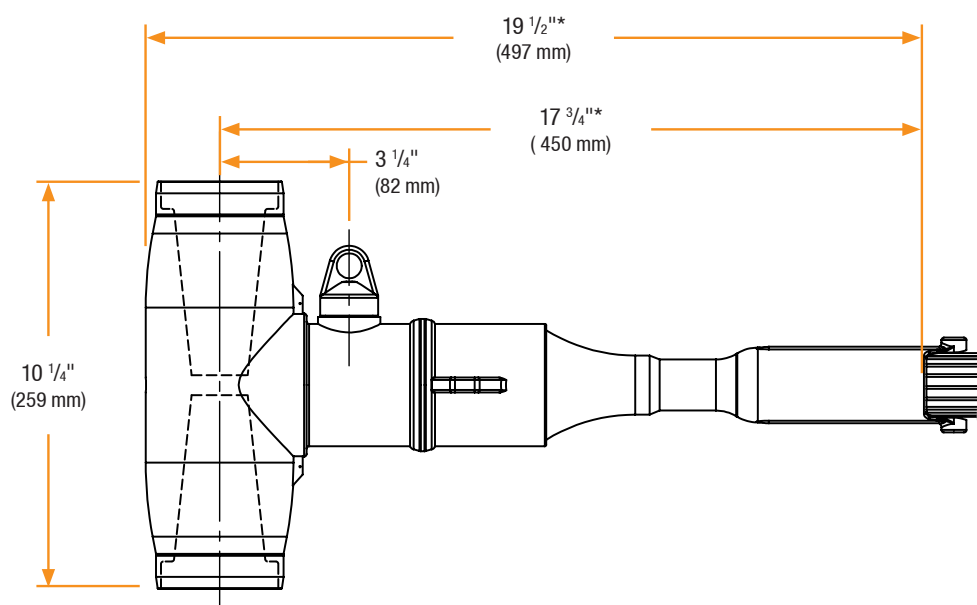
A variety of accessories are available for insulating, testing, grounding and paralleling circuits. The current-rating of the Deadbreak Elbow housing is determined by the metallic components utilized to make the connection. If all-copper components are used, the Deadbreak Elbow assembly has a 900A rating. Otherwise, the assembly is rated for 600A.



#### Features

- All-in-One Solution
- Range Taking
- 100% EPDM Composition
- Injection Molded & Peroxide-Cured
- Designed, Molded, and Tested in the USA
- Fully-Shielded/Deadfront
- Optional Capacitive Test Point

#### Basic Dimensions - Installed on Cable



\* Approximate length - varies by cable size.

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### Installation

35kV Cold Shrink Hammerhead installation is covered by:  
**II-35CSH**

### Related Products

#### P635HIP-STUD

35kV Aluminum Threaded Stud

#### P935HIP-STUD

35kV Copper Threaded Stud

#### P6AL-X

Aluminum Compression Lug

#### P9CU-X

Copper Compression Lug

#### P6ALR-X

Aluminum Range Taking Lug

#### P7ALCU-X

Copper-Top Compression Lug

#### P635HIP-200

35kV 200kV BIL Aluminum Insulating Plug

#### P935HIP-200

35kV 200kV BIL Copper Insulating Plug

### Applications



Outdoor



Vaults



Enclosures



Direct Bury



Submersible

### Production Testing

IEEE requires a Partial Discharge test and choice between AC withstand and Impulse.

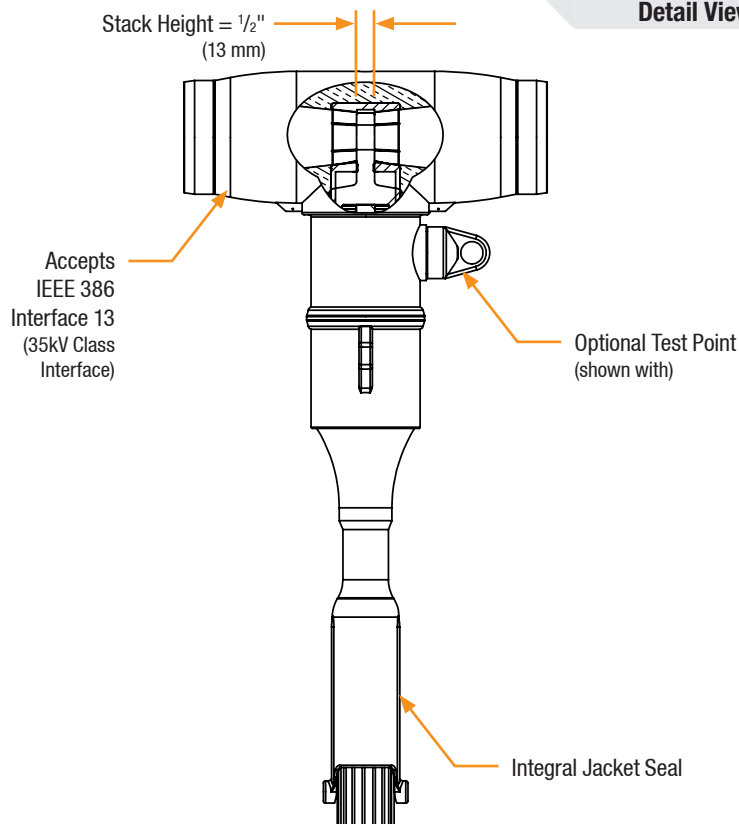
Richards runs 3/3 tests on **all** Medium Voltage products governed by IEEE 386.®

#### 100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

® Exceeds IEEE 386 requirement

### Detail View



### Product Ratings

#### Voltage Ratings

Maximum Voltage Rating – (phase to ground)	21.1kV
Corona Voltage Level – (partial discharge extinction voltage)	30kV <sup>®</sup>
AC Withstand – (1 minute)	70kV <sup>®</sup>
Impulse-Withstand Voltage – (BIL)	200kV BIL <sup>®</sup>

#### Continuous Current Ratings

Aluminum	600A
Copper	900A

#### Short-Time Current Ratings

Aluminum	25kA, 10c. and 10kA, 3s.
Copper	40kA, 10c. and 10kA, 3s.

The 35kV Class CSH is qualified to the following industry standards:

- IEEE Std 386: For Separable Insulated Connector Systems
- ANSI C119.4: For Electric Connectors
- IEEE Std 592: For Exposed Semiconducting Shields