

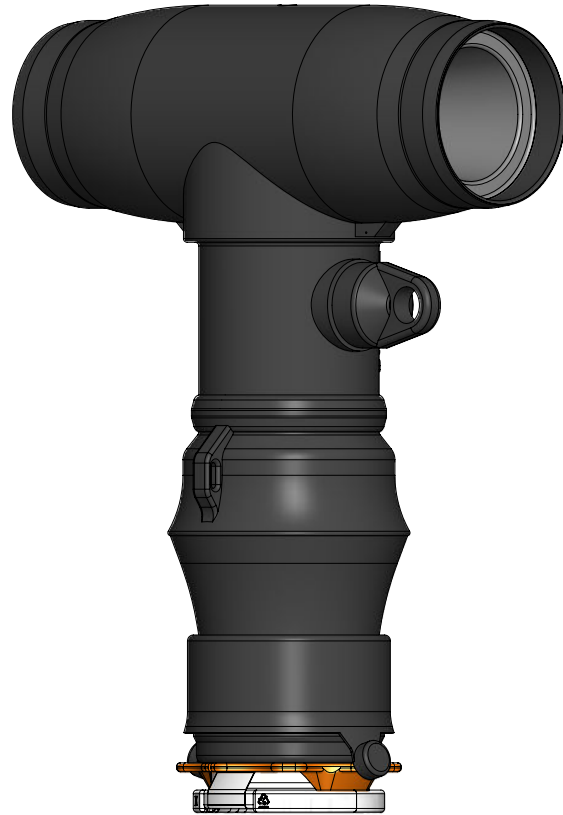
# 35kV Cold Shrink Hammerhead

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.

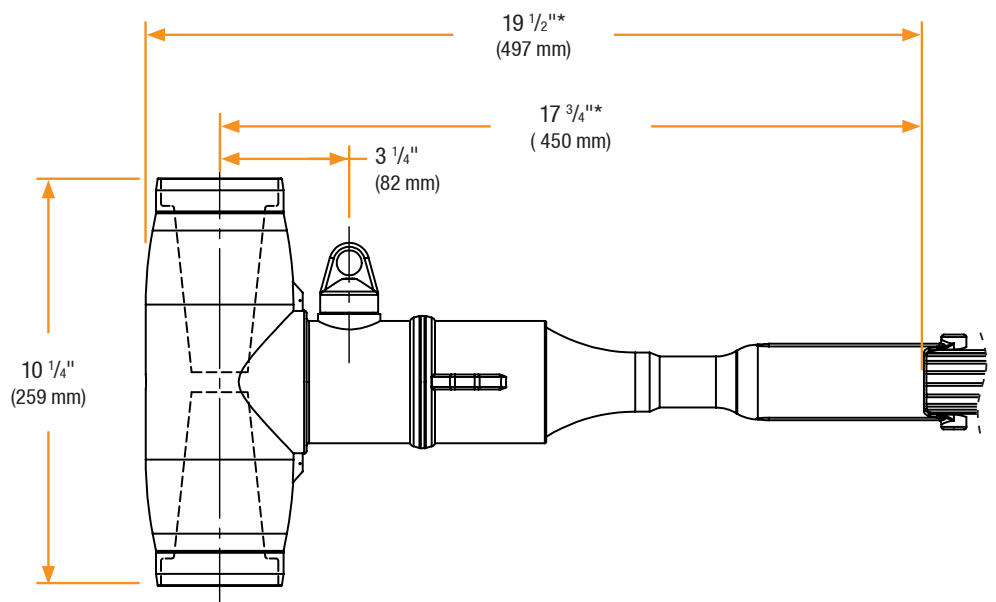
A variety of accessories are available for insulating, testing, grounding and paralleling circuits. The current-rating of the Deadbreak Elbow housing is determined by the metallic components utilized to make the connection. If all-copper components are used, the Deadbreak Elbow assembly has a 900A rating.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

# 35kV Cold Shrink Hammerhead

### 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**

35kV Aluminum Insulating Plug

**P935HIP**

35kV 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. <sup>®</sup>

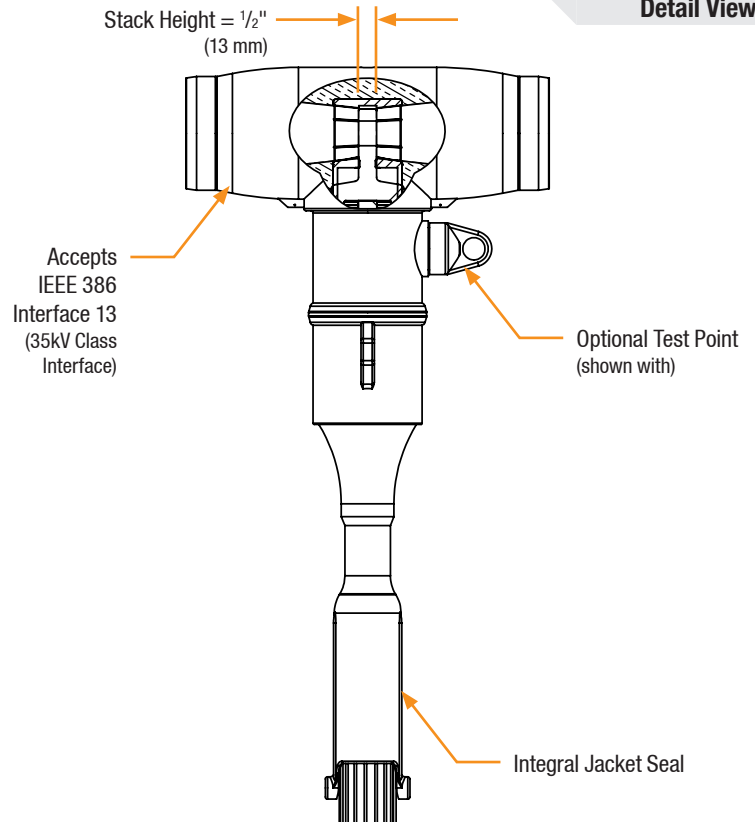
**100% Routine Electrical Test:**

- Partial Discharge
- AC Withstand
- Impulse Withstand

Richards CSH Series are designed to allow for production testing at 200kV BIL. For more information see our 200kV BIL Product Data Sheets or contact the factory.

<sup>®</sup> 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)	50kV
Impulse-Withstand Voltage – (BIL)	162kV 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