

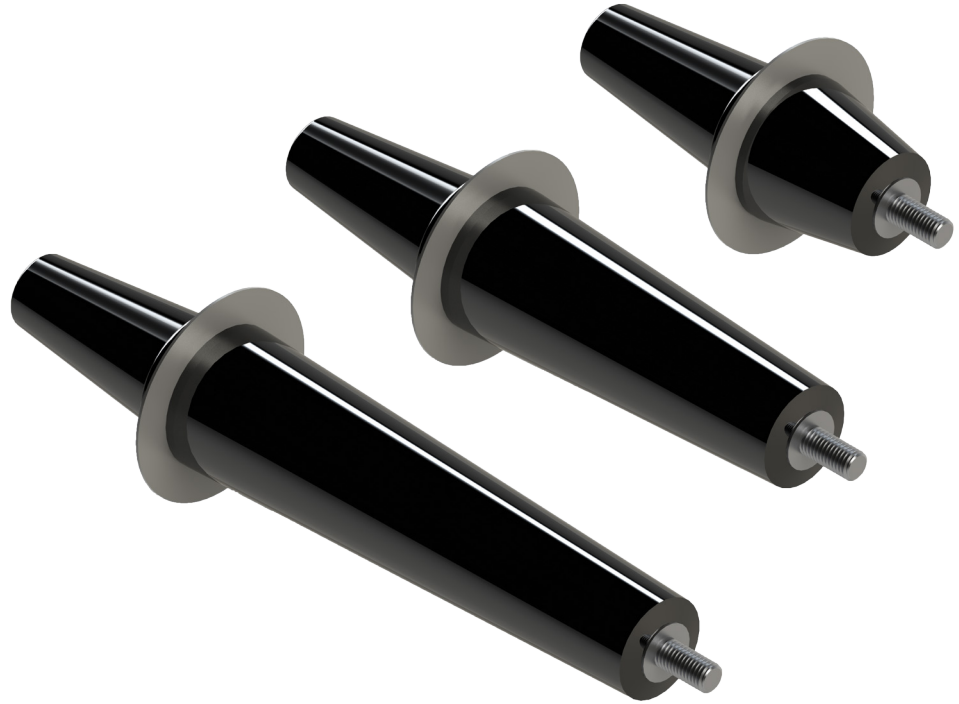
35kV Apparatus Bushings

Product Data Sheet

Richards 35 kV 600A (P635AB) and 900A (P935AB) Deadbreak Apparatus Bushings are Medium Voltage accessories utilized in equipment such as Transformers to provide a mating interface for 35kV Deadbreak components.

The Bushings are Epoxy-Molded and feature Stainless Steel flanges for welding to the equipment case. They are available in multiple shank lengths as shown in the below table.

Apparatus bushings can be ordered with a factory-installed threaded stud. Add “-S” to the part number for a factory-installed threaded stud.



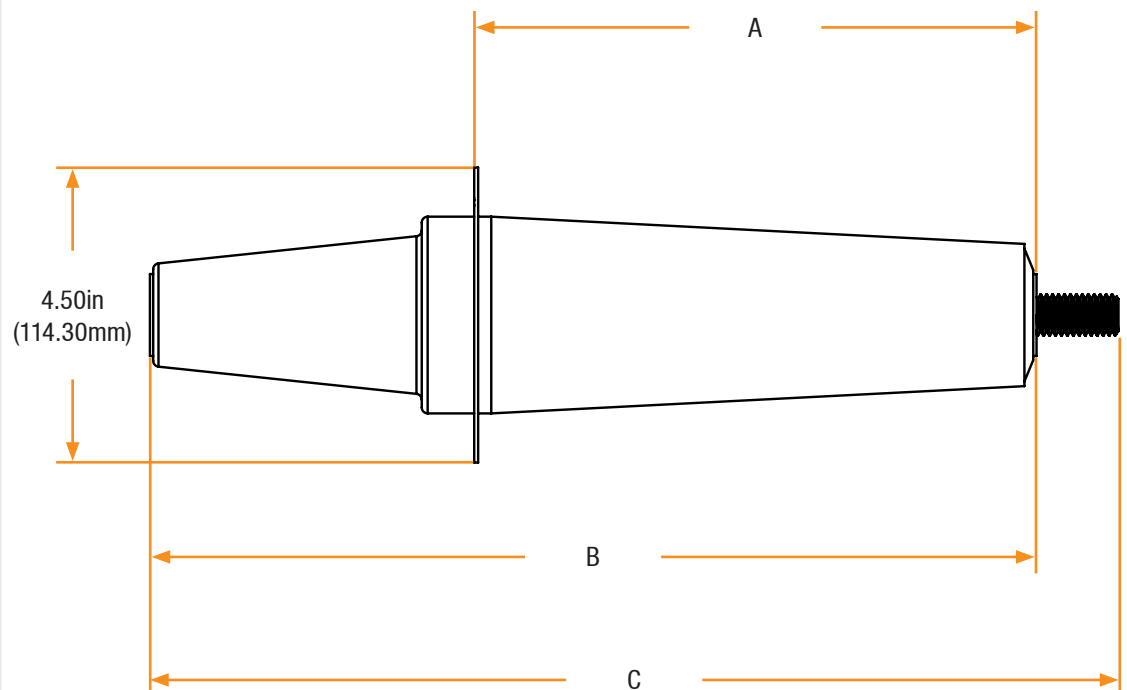
Features

- Made in the USA
- Injection-Molded Epoxy
- Integral Shank Threaded Stud
- Available w/ 200kV BIL Rating

Bushings Sizing

Part Number	Shank Length "A"	Contact Length "B"	Overall Length "C"
P635AB-3 P935AB-3	2-7/8"	7-7/8"	9-1/8"
P635AB-9 P935AB-9	8-1/2"	13-1/2"	14-3/4"
P635AB-12 P935AB-12	12"	17"	18-1/4"

Basic Dimensions



35kV Apparatus Bushings

Installation

35kV Apparatus Bushing installation is covered by:
RP-II-P635AB

Related Products

P635HIP-STUD

35kV Aluminum Threaded Stud

P935HIP-STUD

35kV Copper Threaded Stud

63LCN/63LCT

35kV Deadbreak Elbow

93LCN/93LCT

35kV Deadbreak Elbow

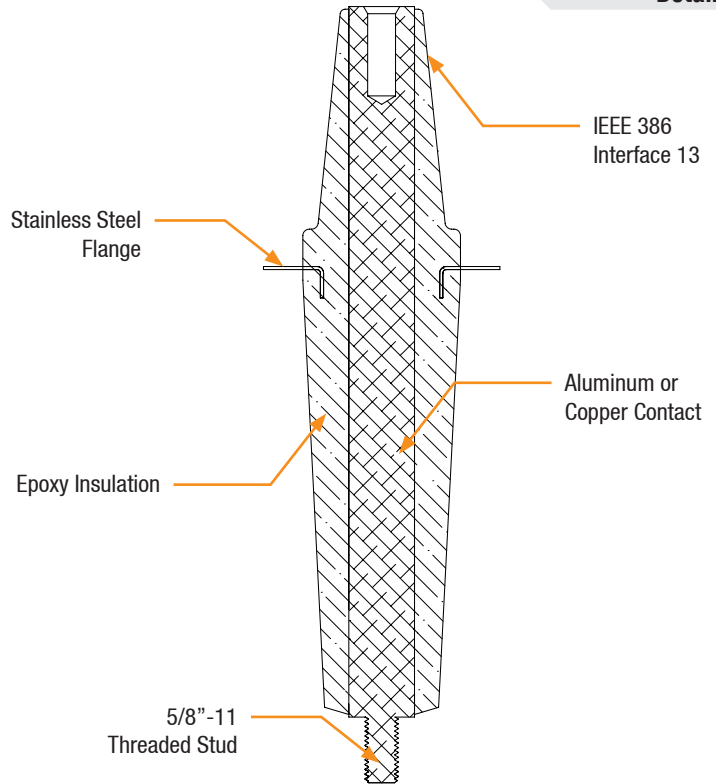
P635HIP

35kV Aluminum Insulating Plug

P935HIP

35kV Copper Insulating Plug

Detail View



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

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

Product Ratings

Voltage Ratings	
Maximum Voltage Rating – (phase to ground)	21.1kV
Corona Voltage Level – (partial discharge extinction voltage)	26kV
AC Withstand – (1 minute)	50kV
Impulse-Withstand Voltage – (BIL)	162kV BIL [®]

Continuous Current Ratings	
Aluminum	600A
Copper	900A

Short-Time Current Ratings	
Aluminum	40kA, 10c. and 10kA, 3s. [®]
Copper	40kA, 10c. and 10kA, 3s.

The 35kV Apparatus Bushings are 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

[®] Exceeds IEEE 386 requirement