

15kV Bushing Extender R-800

Product Data Sheet

Richards **Bushing** Extender R-800 is the only fully integrated 200A Loadbreak Tap and 600/900A Deadbreak Bushing Extender. Like many Richards Medium Voltage innovations, this product takes multiple components and combines them into a single factory molded and tested unit. This not only reduces installation cost and effort, but increases reliability and quality for our customers. The Bushing Extender R-800 is used to transition from an IEEE 386 600/900A Deadbreak interface to an IEEE 386 200A Loadbreak interface. Typical applications include:

- Installation of a 200A Loadbreak Elbow
- Installation of a 200A Surge Arrester
- Installation of an Insulating
 Cap, removed when testing the interface using approved voltage-indicators



Production Testing

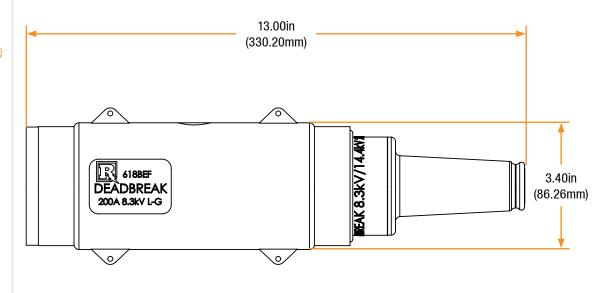
IEEE requires a Partial Discharge test and choice between AC withstand and Impulse.

Richards runs 3/3 tests on ALL Medium Voltage products governed by IEEE 386.

100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

Basic Dimensions



Exceeds IEEE 386 requirement.





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Installation

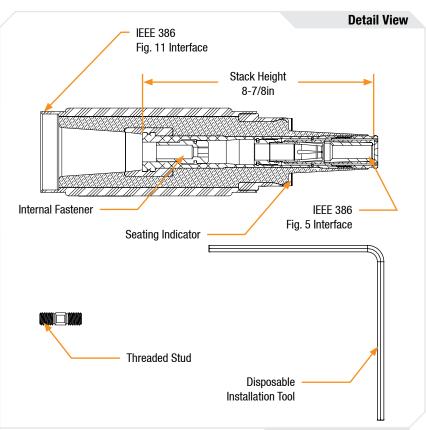
The 15kV Bushing Extender R-800 installation is covered by: RP-II-628BE

Related Products

618FT 15kV R-800 w/Test Point	P625BE 15/25kV Bushing Extender
P625HIP-STUD 15/25kV Aluminum Threaded	P615ETP 15kV Elbow Tap Plug
Stud	TORY LIBOW TUP I TUY

Features

- 600/900A MATING INTERFACE: IEEE 386 Interface 11.
- THREADED STUD: A standard threaded stud is hand-tightened into mating part before installing the Bushing Extender R-800.
- EPDM CONSTRUCTION: Our peroxide-cured EPDM is formulated and produced completely in-house by our rubber production division. This material is durable, reliable and possesses ideal electrical properties for underground medium voltage applications.
- 4. INTERNAL FASTENER: To thread the Bushing Extender R-800 onto the mating interface, the installer simply rotates the internal fastener with an assembly tool (pictured) as opposed to rotating the entire EPDM housing. This makes installation as easy and simple as possible.
- 5. SOLID INTEGRAL CONSTRUCTION: The Bushing Extender R-800 is molded and tested as a solid, fully-integrated product. By reducing multiple components and installation steps to one, total installation cost is dramatically reduced. Further, by reducing the potential for installation errors (such as interface contamination), reliability is increased.
- 6. SEATING INDICATOR: The seating indicator provides visual confirmation of proper seating between the Bushing Extender R-800 and 200A Loadbreak mating part. The indicator is completely covered when seating is correct.
- 200A LOADBREAK INTERFACE: This IEEE 386 Interface 5
 (15kV) mates with a 200A Loadbreak Insulating Cap, Surge Arrester, or Loadbreak Elbow.
- 8. DISPOSABLE INSTALLATION TOOL: Our innovative disposable installation tool comes with every kit. The tool is zone-annealed such that the wrench yields once the required 50-60 ft-lbs of torque are achieved. No torque wrench required!



Product Ratings

Voltage Class, Phase-to-Phase	15kV
Maximum Voltage Rating – (phase to ground)	8.3kV
Corona Voltage Level – (partial discharge extinction voltage)	11kV 🖳
AC Withstand, 1 minute	34kV
Impulse-Withstand Voltage – (BIL)	95kV BIL R

Current Ratings		
Continuous Current	200A	
Short-Time Current	3.5kA, 3sec. & 10kA, 10c	

The 15kV Bushing Extender R-800 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

Exceeds IEEE 386 requirement.

