



Bushing Extender R-800



Medium Voltage

The 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:

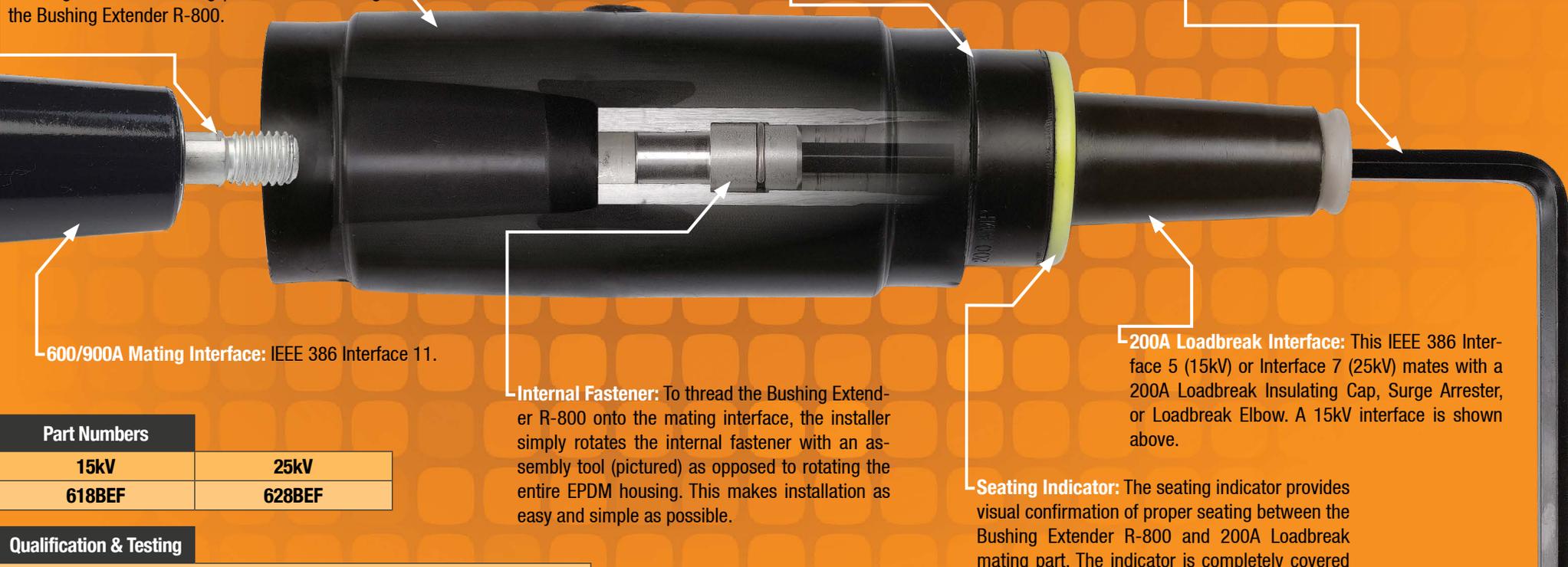
- Installation of a 200A Loadbreak Elbow
- Installation of a 200A Surge Arrester
- Installation of an Insulating Cap, removed when testing the interface using approved voltage-indicators

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.

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.

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!

Threaded Stud: A standard threaded stud is hand-tightened into mating part before installing the Bushing Extender R-800.



600/900A Mating Interface: IEEE 386 Interface 11.

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.

200A Loadbreak Interface: This IEEE 386 Interface 5 (15kV) or Interface 7 (25kV) mates with a 200A Loadbreak Insulating Cap, Surge Arrester, or Loadbreak Elbow. A 15kV interface is shown above.

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.

Part Numbers

15kV	25kV
618BEF	628BEF

Qualification & Testing

Qualified to IEEE 386 latest revision

100% production tests: Partial Discharge, AC Withstand, & Impulse Withstand