

The new **R**800

Available exclusively from Richards Manufacturing



R800 RATINGS

We do more testing than industry standards require. IEEE 386 requires either Impulse or AC Withstand. We run both on all of our products.

Richards 600/900 ampere, 15 and 25kV Class, Separable R800 was designed and validated against the following industry standards:

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

PRODUCT RATINGS

Voltage Class, Phase-to-Phase	15kV	25kV
Maximum Operating Line-to-Ground Voltage	9.5kV	17.7kV
Corona Voltage Level – (partial discharge extinction voltage)	11kV	19kV
AC Withstand, 1 minute	34kV	40kV
DC Withstand, 15 minutes	53kV	78kV
Impulse-Withstand Voltage – (BIL)	95kV	125kV
Continuous Current (600A Side)		
Aluminum	600A	
Copper	900A	
Short-Time Current		
Aluminum	10kA, 3 sec. & 25kA, 10c.	
Copper	10kA, 3 sec. & 40kA, 10c.	
Current (200A Load Break Tap)		
Continuous (aluminum or copper)	200A	
Short-Time Current	3500 A, 3 sec. & 10kA, 10c.	

All connector components are 100% production tested as follows:

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Impulse-Withstand Voltage – (BIL)	95kV	125kV
Corona Voltage Level – (partial discharge extinction voltage)	11kV	19kV
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Patent Pending

The first step.

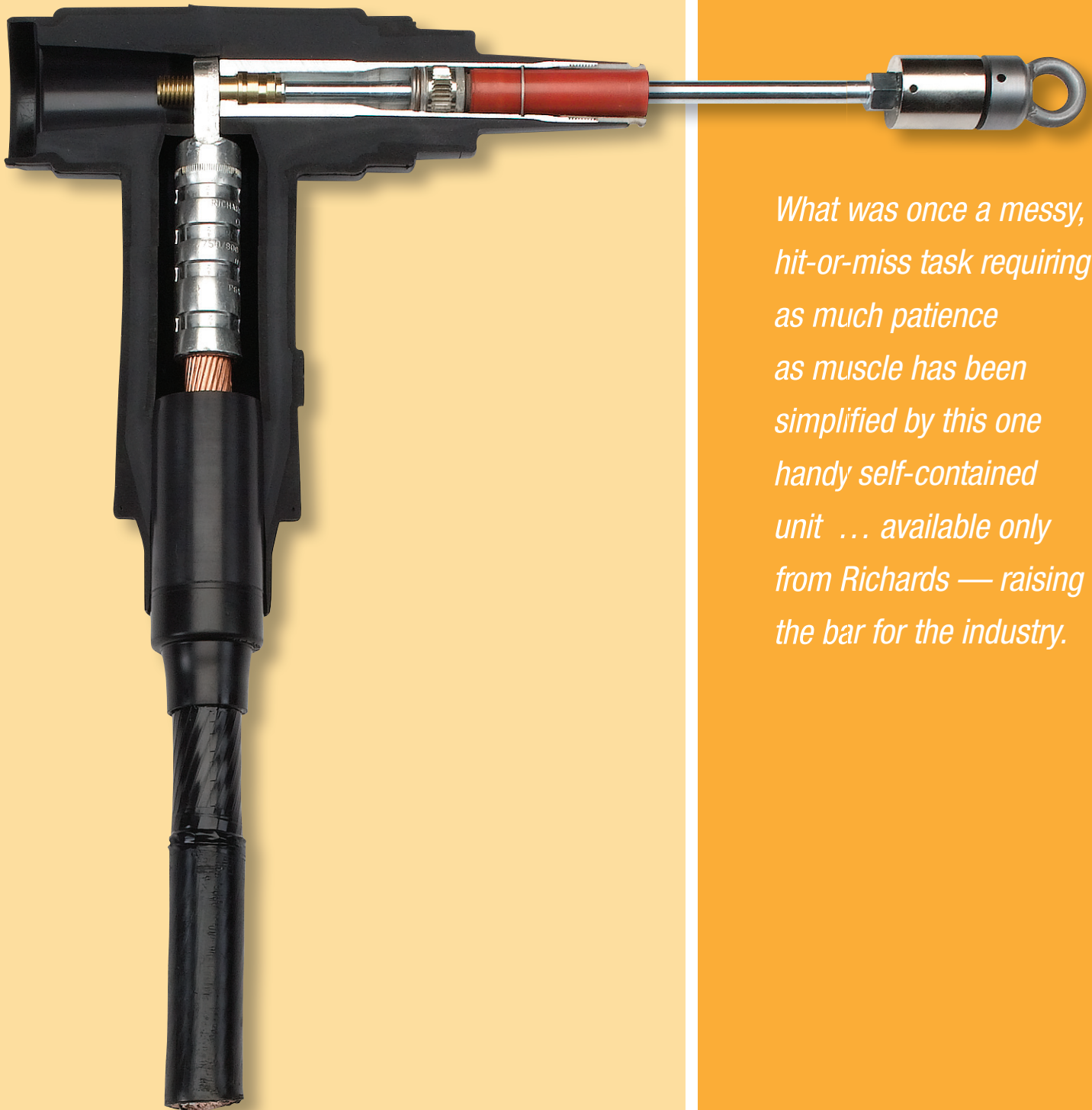
The lug/cable assembly is inserted into the R800 and pushed into position. The assembly tool is inserted through the 200 amp interface and engaged in the bolt. Note the bolt is in the recessed position.



*600-amp elbow and
200-amp tap plug —
already molded
together into one
convenient unit!*

The second step.

The bolt is now pushed through the lug hole into the forward position. The bolt will stay in the forward position holding the lug/cable assembly in place.



What was once a messy, hit-or-miss task requiring as much patience as muscle has been simplified by this one handy self-contained unit ... available only from Richards — raising the bar for the industry.

The last step.

The bolt has been tightened to the proper torque using the assembly tool. The insulating cap is installed. The installation is complete.



More reliable

Sweat, dirt, water or any contaminants on the operating interface during installation may lead to failure. By molding the elbow and the LRTP together in the factory, we are able to test the interface combination before shipping it you. The result? — a unit that guarantees you a proper connection of the two parts and no problems on the site.

- fewer pieces
- standard lug
- no cross-threading
- tested interface

Also available with female fastener.

Trust Richards Manufacturing for all your utility needs

Richards has proudly served the utility industry since 1945, earning the respect of customers and competitors alike.

To have remained successful after all these years in a demanding industry that has seen so many other businesses come and go is no simple task. It takes a lot of hard work by many people — starting with our CEO who still oversees all operations everyday ... continuing on down to the individuals on the production lines who carefully craft every product bearing the Richards name. They all share one common focus: satisfying the needs of you, our customer.

You want reliability — we manufacture top-quality products that exceed your expectations. In fact, many nonstandard and specialty products are designed, manufactured and tested to meet our customers' requirements.

You want a trusted partner you can always turn to for any problem that arises in the field — so we are extending our product lines to the point that we're able to address any and all of your utility needs.

Above ground, below ground — from the poles right up to the customer's meter — we've got you covered.

Compatible with other manufacturers

The R800 is 100% compatible with other manufacturers' components — including Stick-Op™, T-OPII™ and ETP.

- cable adaptor — fully compatible
- lug — fully compatible
- operating interfaces — fully compatible

Easier to use in the field

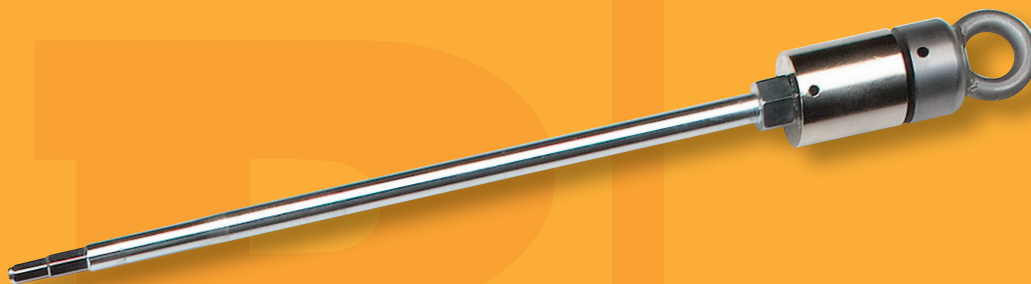
The R800 requires only 25 lbs. of force during installation — reducing both the physical strain placed on workers and the likelihood of costly crossthreading.

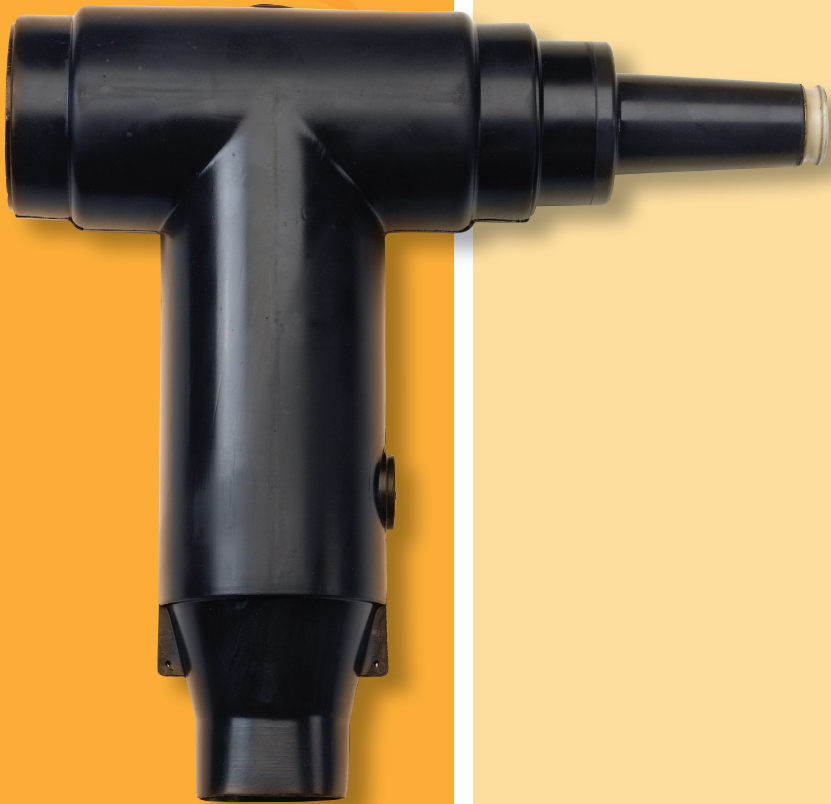
- significantly less assembly force
- fewer pieces to assemble

Less expensive

By reducing the number of pieces we need to produce from two (a separate elbow and LRTP) to one (the R800) we're able to reduce our production costs and pass the savings on to you. In addition, you save money by lowering your installation time and costs.

- lower initial cost
- lower installed cost





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