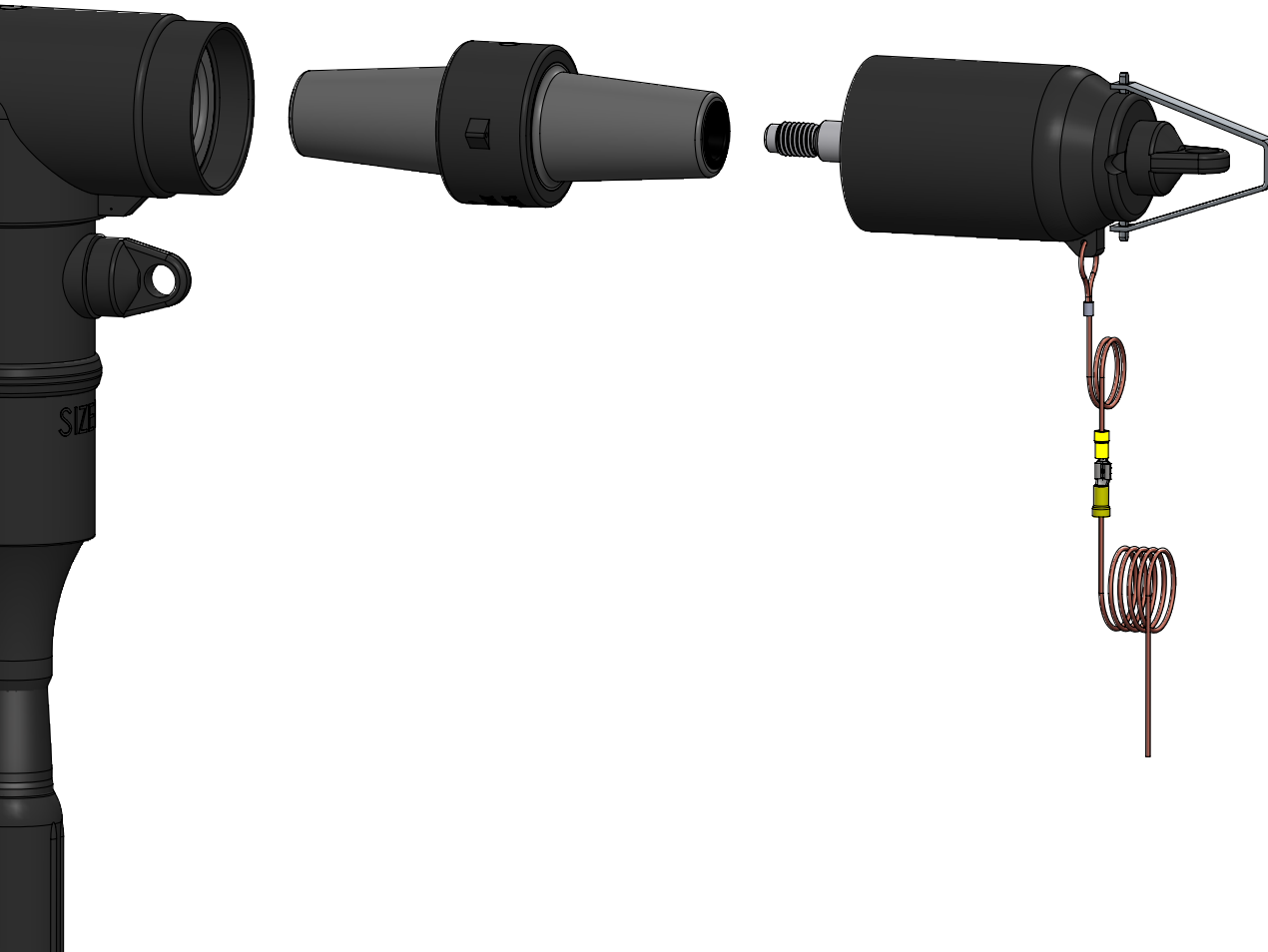


DT Series | Plug & Cap

The Richards DT Series Plug and Insulating Cap are designed as a system to provide improved grounding and safety capabilities on medium voltage circuits. The DT Series products feature a bolted contact system, achieving a rating of up to 40kA of fault current withstand. Each DT Plug is provided with a DTIC (Insulating Cap) for normal configurations. To ground the circuit, the DTGC (Grounding Cap) replaces the insulating cap once the circuit is verified as de-energized. Both the DTIC and DTGC can be installed with a hotstick. The DTGC is available in two common grounding styles—Hotstick Stud and Ball Stud—and can be customized upon request.

Features & Benefits

- Designed as a system for use with DTIC Insulating Cap or DTGC Grounding Cap
- Low profile installation
- Compatible with IEEE-386 interface 11 (15/25/28 kV) or 13 (35 kV Class)
- Hotstick Operable
- Increased operational efficiency for grounding and safety procedures
- Increased fault current rating to 40kA (versus 10kA with Loadbreak)



Product Ratings

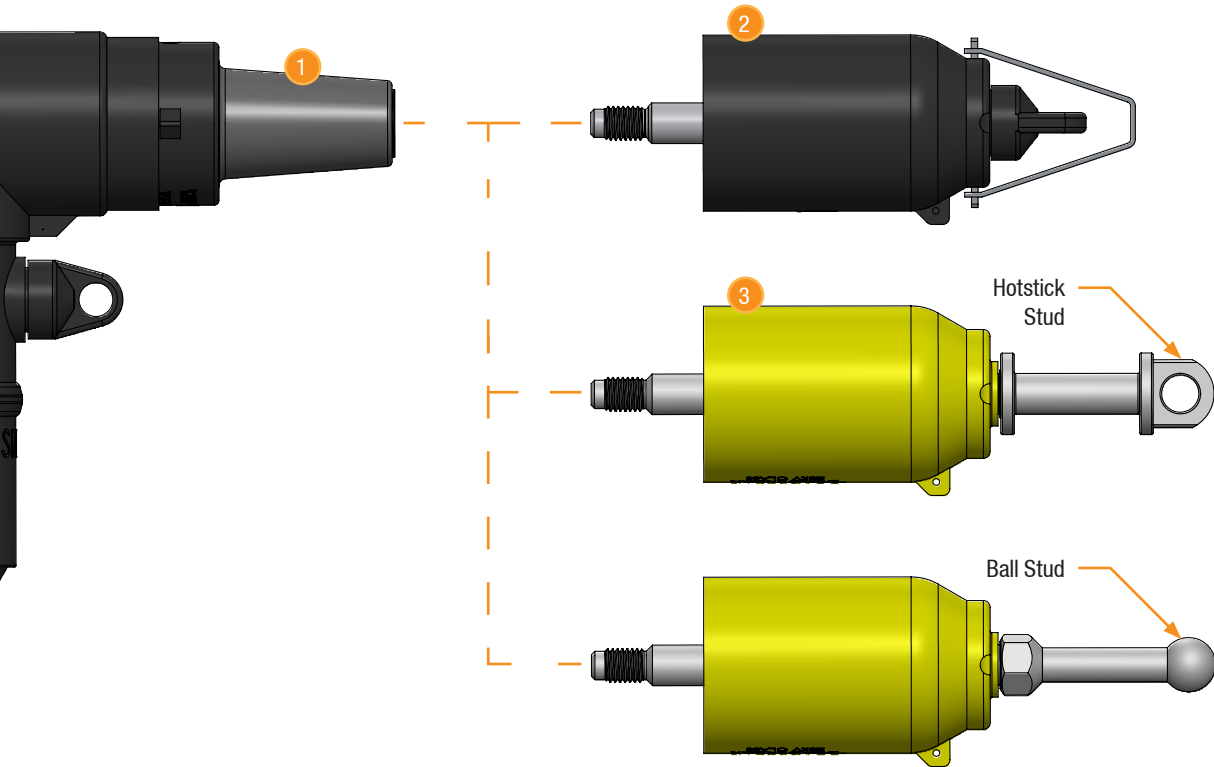
DTP/DTIC Voltage Ratings		
Voltage Class, Phase-to-Phase	15/25kV	35kV
Maximum Voltage Rating – (phase to ground)	16.2kV	21.1kV
Corona Voltage Level – (partial discharge extinction voltage)	22kV	26kV
AC Withstand – (1 minute)	45kV	50kV
Impulse-Withstand Voltage – (BIL)	140kV BIL	165kV BIL

DTGC Short-Time Current Ratings	
Copper	40kA, 10c. and 10kA, 3s.

The DT Series products are qualified to the following industry standards:

- IEEE Std 386: For Separable Insulated Connector Systems
- IEEE Std 592: For Exposed Semiconducting Shields

DT Series | Plug & Cap



1. DT Plug

This plug features an IEEE 386 standard deadbreak interface on one side and our innovative DT Interface on the other. The DT Plug can be installed on the backside of Deadbreak Elbows, Bushing Extenders, or other accessory to provide a convenient grounding location.

2. DTIC Insulating Cap

The DTIC is a deadbreak insulating cap specifically designed to be installed on the DT interface for permanent applications. The cap features a capacitive test point that can be utilized to confirm the circuit is de-energized before applying a ground.

3. DTGC Grounding Cap

Once the circuit is confirmed to be de-energized, the DTGC Grounding cap is installed with a hotstick. The DTGC provides a bolted ground connection; significantly more robust and secure than grounding methods utilizing a loadbreak interface. In fact, Loadbreak interfaces are only rated to 10kA for 10cycles whereas the DT Series has a rating of 40kA for 10 cycles.

DTIC Insulating Cap Installed



DTGC Grounding Cap Installed

