

Plug Test Rod
MN257900100EN

COOPER POWER
SERIES

TRA24
TRA36
TRA42

PLUG TEST ROD



EATON

Powering Business Worldwide

Product information

This plug test rod is a device which is instead of the insulation plug installed on the Tee separable connector, so that Tee and the connected equipment can be engaged with high voltage test source.

Part number	Matching T-connector	Dielectric level	
		AC withstand	Lighting impulse
TRA24	DTS/DTB617, DTS/DTB624S	54kV	125kV
TRA36	DTS/DTB624, DTS/DTB636	81kV	170kV
TRA42	DTS/DTB1242, DTS1242S	117kV	200kV

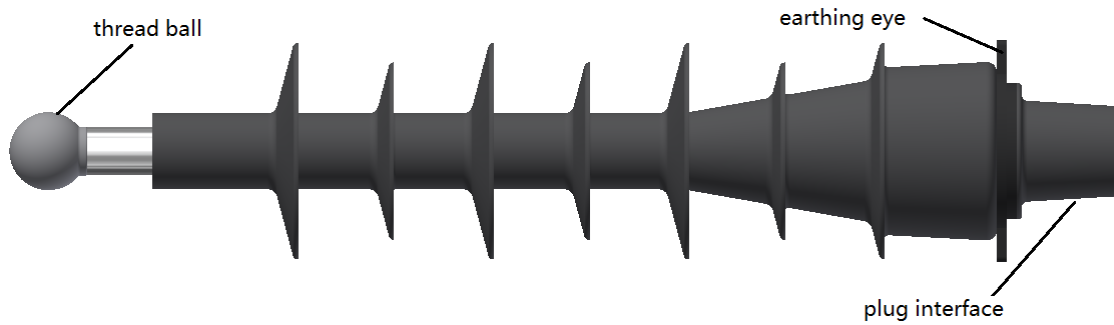


Figure 1

Installation

Step 1 Tee prepare

- Remove the rubble cap and insulation plug, as figure 2 shown.

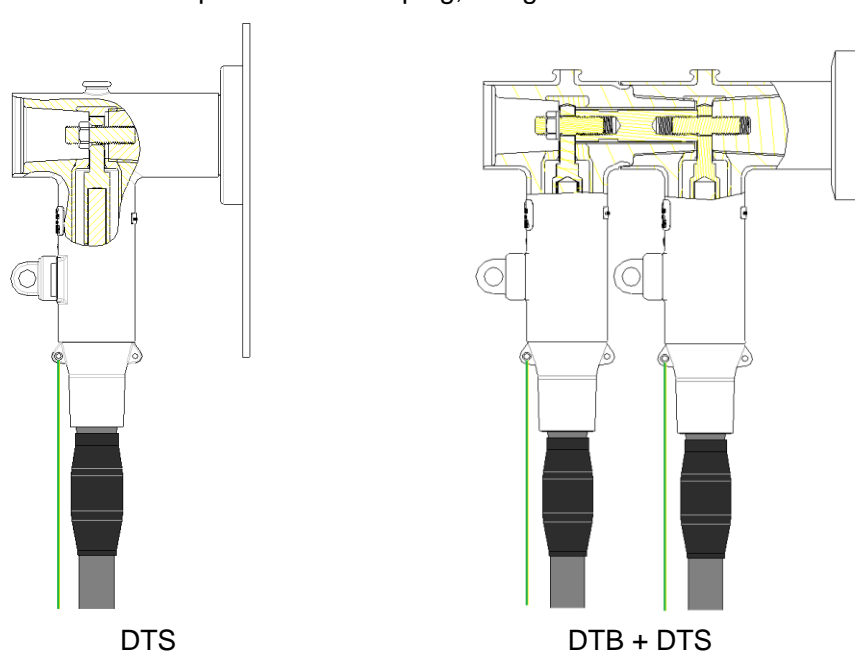


Figure 2

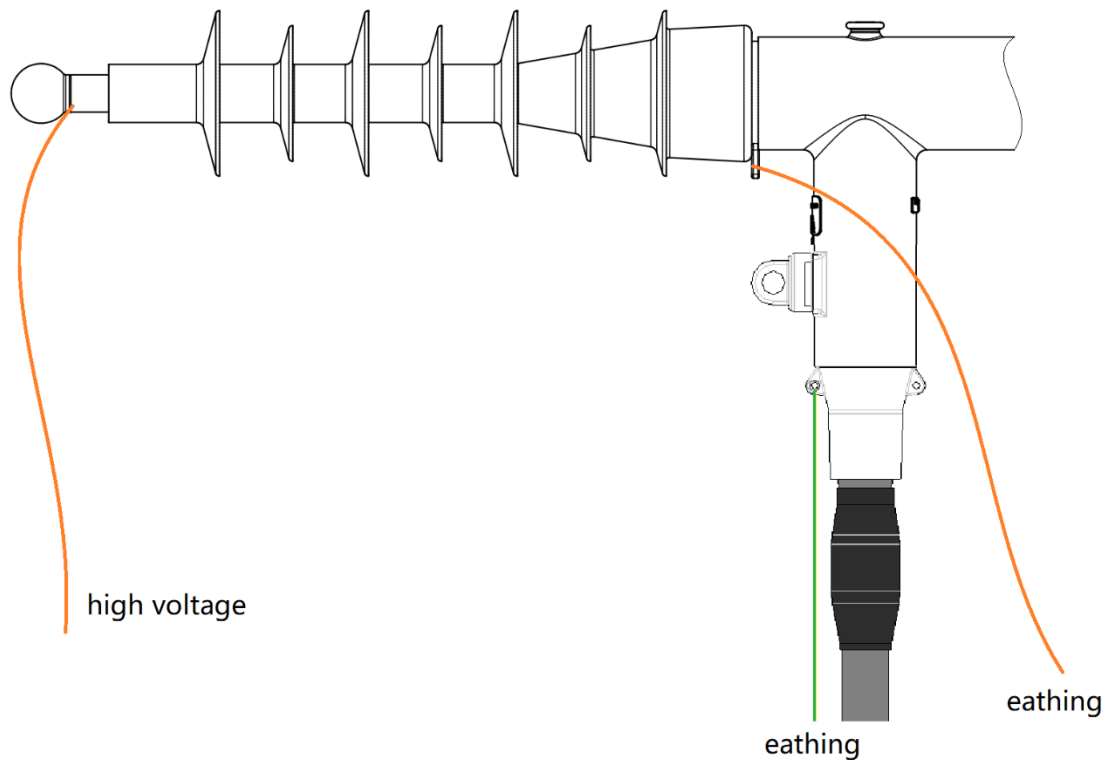
Step 2 Plug test rod installation

- Clean the plug interface of test rod and the female interface of Tee connector by Cooper cleaning paper or chip free paper soaked with absolute alcohol.
- Lubricate both interface with Cooper silicone grease.
- Turn the test rod on to the stud on Tee.
- Connector the earthing eye of test rod with metal wire to the ground. Tee earthing wire should also be grounded.

Note: Keep all grounding wires and metal away from the skirts of test rod.

- Fix the high voltage connect metal wire with the thread ball.

Installation complete



⚠ DANGER

The high voltage test should be carried out only by personnel familiar with good safety practices and the handling of high-voltage electrical equipment.

The plug test rod is designed to be operated in accordance with normal safe operating procedures. These instructions are not intended to supersede or replace existing safety and operating procedures.

When a voltage is applied, the outer surface of the test rod is charged. Operators should maintain a safe distance.

Cleaning and maintenance

After testing, the test rod should be cleaned with Cooper cleaning paper or chip free paper soaked with absolute alcohol. Put the test rod in plastic bags to avoid contamination. Contamination can decline the insulation performance.

Silicone grease and cleaning paper are consumables and can be ordered separately.

Cooper cleaning paper: D202001010

Cooper silicone grease: 201001701(30g)

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