



WEDGTAP System for Overhead Line Conductors



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INTRODUCTION TO THE PIRELLI WEDGTAP CONNECTOR SYSTEM



INTRODUCTION

Prysmian Components is the leading manufacturer and supplier of Power Cable Accessories in the United Kingdom. Manufactured under ISO 9001:2000, ISO 14001 & OHSAS 18001 Management Systems.

WEDGTAP provides a successful and well-proven method of making tap connections onto both aluminium and copper overhead line conductors, which, by consensus, are the connections most highly vulnerable to installation, electrical, and corrosion damage. Manufactured from high conductivity materials the connector uses an inner wedge that is power driven between the main and tap conductors locking them into a 'C' shaped outer body.

A wiping action takes place during installation along the contact faces of the conductors effectively removing surface oxides and supplementing wire brushing. The contact grooves of the WEDGTAP are lined with Bicon 'X1' Inhibitor compound to enhance contact surface integrity.'

The WEDGTAP connectors incorporate many features hitherto unavailable in a single design concept.

- Easily assembled onto conductor
- Provides visual indication of correct connector /conductor combination prior to installation.
- Is tolerant of low level conductor cleaning
- Clear conductor & tooling information on label
- Disconnectable
- Maintains full tensile value of conductors
- Range Taking
- Withstands high fault currents
- Can be installed 'Live Line'
- Fully tested to BS3288 Pt1 & ESI 43-92 and meets the Accelerated Lifetime Test Procedure (ECRC)

The WEDGTAP installation tool is a one-piece assembly that consists of a head and power unit. Two colour coded interchangeable heads accept all WEDGTAP connectors and bails. The design of the tool recognises the need for simplicity and speed of operation as well as outstanding safety features such as automatic gas release vented away from the operator, fast and simple breech loading and fast advance when engaging the connector assembly. No loose parts to drop or misplace and a Booster ejection system that provides further safety to the operator. Fewer simplified 'live line' accessories complete the package.

The tool kit is supplied complete in a rigid plastic carrying case that includes cleaning kit and take off clips. An alternative accessory bag is available that also accommodates the 'live line' accessories.

The Power Booster:- Is a patented self-contained device that provides the force necessary to drive the wedge into direct contact with the conductors. The Booster is activated only when properly positioned in the tool assembly. A power cell in the Booster is recessed to guard against premature discharge. The Tool/Booster system is designed to activate and de-activate the Booster automatically should the operator decide to remove the tool from a connector prior to completing the installation. The de-activated Booster may then be safely removed for the tool.