

Better earthing with Fulton Wedge Clamps

Even the simplest products like earth clamps securing electrical safety at any point on a network can offer a lot of value to the electricity industry.

The safe functioning of these devices depends a lot on their design and the materials used, with both being vital for the performance of a fitting over the many years of its service life.

Fulton Earthing Wedge Clamps are a solid example of a well-designed product that provides enduring strength and a reliable solution for network owners, says Chris van der Werff.

As general manager of New Zealand Insulators, the Fulton distributors in New Zealand, he says the reliability of Fulton Wedge Clamps and their performance advantage becomes fully evident years after their installation when testing proves the integrity of the grounding is as good as the day they were installed.

"Testing is a safety verification New Zealand Insulators takes seriously. In fact, we have just put the Fulton ECW-1 through another round of exhaustive testing to demonstrate its superior performance, not just in typical network installations, but also for substation use."

He says this testing to the latest version of IEEE 837 by a Canadian laboratory approved for verifying product compliance to this international standard required a substantial financial investment, which was well worth it for having confirmed that the Fulton ECW-1 can be used with certainty and reliability by network companies anywhere an earth rod is required.

"The Fulton ECW-1 has long been approved and preferred on major North and South Island networks and has a proven track record of longevity and performance. It is also used in Australia where it is relied on by network providers like Essential Energy.

"The enhanced testing will give all net-



Fulton Earthing Wedge Clamps provide an enduring earth for all cable sizes from 25 mm to 70 mm

work companies the surety they need that the Fulton product will deliver a permanent and most effective earth over the life of the asset."

Van der Werff says the Fulton Wedge Clamps are designed with an electrolytic tough pitch (ETP) copper alloy construction, ensuring the wings do not to crack and loosen over time.

"The greater surface area in contact with both the earth stake and the conductor not only ensures the integrity of the earth but also the strength and longevity of the clamp.

"This extra strength enables the use of a longer lasting 304-grade stainless steel security bolt for even greater reliability. It will not break on installation and certainly will not fail with the first frost."

New Zealand Insulators (NZI) sales director, David Glackin, says the ECW-1 is easy to install, with the steel bolt shearing at the right torque to optimise electrical conductiv-

ity while preventing tampering.

Glackin says the Fulton Wedge Clamp offers the best and most cost-effective earthing solution and without the safety risks associated with thermo-welding.

"The ECW-1 is also the most versatile with one-size-fits-all convenience. By switching to Fulton you no longer have to stock two different clamps. The ECW-1 fits all copper cable sizes from 25 mm to 70 mm in a single unit."

The Fulton Wedge Clamps are packed 25 units per box, and are held as a standard and plentiful stock item at both New Zealand Insulators' Temuka and Auckland warehouses for overnight delivery.

"The ECW-1 is a premium product in our connector ranges. We also supply a choice of 1800 and 2400 mm copper-plated earth rods, accessories and other clamping options."

New Zealand Insulators has expanded its product ranges over recent years to include products manufactured by DTR, Avon, Fulton, Payer, GIG, Polesaver and Bussman by Eaton.

Glackin says the broad range of low and medium voltage standard products offered by NZI adds value to the company's own manufacturing of high quality porcelain insulators and electrical fittings.

"You can always rely on all of the products we bring to the New Zealand electricity industry and the friendly service we offer in support." ■

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EFFECTIVE, VERSATILE AND LONG-LASTING EARTH CLAMPS

Fulton ECW-1 wedge clamp

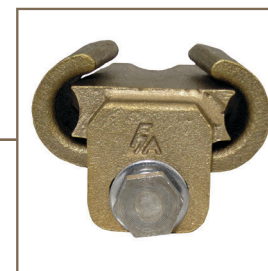
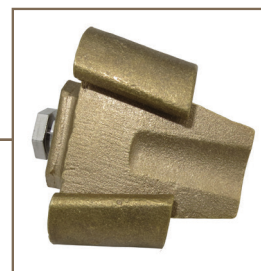
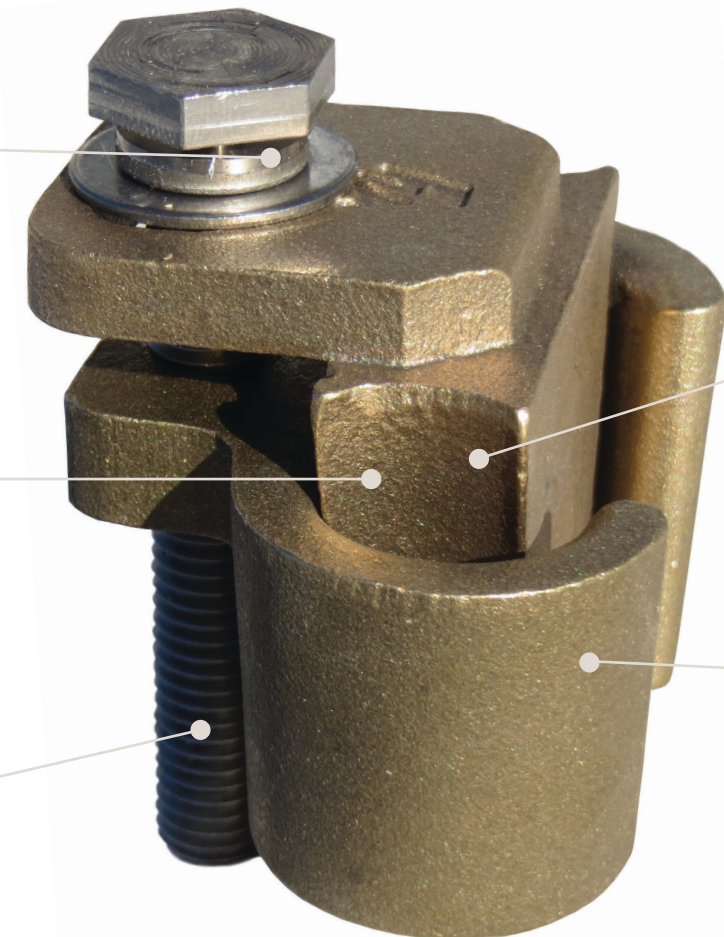
Bolt shears at optimum torque – better conductivity and tamper free

One size fits all – 25 mm to 70 mm cable sizes

304-grade stainless steel bolt – no breaking or thread-stripping

Greater contact surface area – better earth integrity

Electrolytic tough-pitch alloy – no cracking and loosening



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