pole reinforcing

POLE FOUNDATIONS

Pole Foundations was formed to provide its customers with a unique combination of innovative, technical and practical services and solutions.

Pole Foundations have specifically focussed on a package of services and products associated with the inspection, testing, treatment and reinforcement of Utility overhead line wood poles. Incorporating these credible cost effective services, Pole Foundations offer a unique cradle to grave package relating to the life cycle of a Utility wood pole.

Key services include:

- Pole Analysis & Structural Security (PASS), now endorsed by a number of international Distribution Network Operators
- Pole reinforcement systems, **MultiTube™** and **MultiRib™**, widely accepted in Australia and North America, the UK and Ireland.

An audit process documents the status of each pole

*Pole Foundations is able to offer its customers the following services:*

- Pole Inspections
- Data acquisition and processing
- Pole testing using the PASS protocol
- Pole reinforcements using the **MultiTube™** and **MultiRib™** systems
- Pole top inspections
- Vegetation surveys
- Auditing
- Earth Testing
- Maintenance

Pull-over testing

# *Utility Pole Stabilisation with* **MultiTube™** *and* **MultiRib™** *Reinforcement Systems*

The **MultiTube™** and **MultiRib™** reinforcement systems have been developed to offer the safest and lowest visual profile of any system on the market today, while providing 100% replacement strength of the original pole.

The **MultiTube™** and **MultiRib™** reinforcing systems have undergone extensive laboratory and field testing during their development.

Both the **MultiTube™** and **MultiRib™** elements are manufactured from mild steel and hot dip galvanized.

The **MultiTube™** and **MultiRib™** systems are available in a variety of sizes to suit pole diameters from 150mm to 470mm (measured at 1.5m from pole butt).

A drop hammer attached to conventional machinery is used to drive the **MultiTube™** and **MultiRib™** reinforcing systems into the ground.

The reinforcing elements are attached to the pole by either bolting, strapping or a combination of both, dependant on client preference.

The compact design of the **MultiTube™** and **MultiRib™** elements allows greater flexibility to access the poles circumference for remedial treatment, inspection and maintenance.

## *What is Utility Pole Reinforcement?*

Pole reinforcement is used when decay or damage is identified at or around the ground line area of the wood pole.

The pole is reinforced by the **MultiTube™** or **MultiRib™** system by effectively replacing the strength of the wood pole in the damaged or decayed section therefore allowing the pole to remain in service.

The reinforcement process can be particularly cost effective where decay or damage has been identified on H pole configurations or poles supporting plant and equipment.

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