

BRFD™ NON-INVASIVE POLE REINSTATEMENT SYSTEM



Simple yet extremely effective concept utilising:

- Grade 8.8 M16 bolts
- 3mm x75 mm Galvanised Steel BRFD™ Band-Plate
- 8mm bracket

Our BRFD™ (Band-plate Reinforced Design) Pole Reinstatement System has been specifically designed to provide full structural reinforcement to decayed poles, via the non-invasive BRFD™ Band-Plate process, allowing safe and cost effective reinstatement of damaged or substandard poles resulting from complete ground line deterioration.

The BRFD™ Pole Reinstatement System:

- Is 100% made in Australia
- Provides non-invasive attachment between the Nail and the pole
- Offers full structural support for defective poles with no wood present at or below ground
- Uses the highest quality Bluescope galvanised steel
- Extends pole durability for at least 20 years
- Is comprehensively tested to industry standards
- Contains no sharp edges
- Allows for correct pre-tensioning
- Eliminates requirements to attach the Nail to the pole through the use of bolts or screws.

Utility Asset Management (UAM) was awarded the UK Energy Innovation Award 2015 for "Best Electricity Network Improvement". The award recognises technologies or innovations that improve electricity or gas networks, and off shore assets.

Utility Asset Management (UAM) is one of Australia's leading providers of diversified services. Established in 2000 and with offices across Australia, UAM is known for its reliable provision of safe, high-quality services to utility and energy organisations, government departments, councils and major blue chip companies.



UK ENERGY
Innovation Awards
2015
Winner

FULLY TESTED

The BRFD™ Pole Reinstatement System is based on sound engineering design calculations and has been thoroughly tested to industry standards by an independent engineering company.

Testing has been carried out on its weakest orientation of 90 degrees, to determine the maximum capacity of the Nails. This allows the BRFD™ products to be installed in any direction when reinstating poles.

The BRFD™ system has undergone the following tests:

1. Horizontal Cyclic Load Test (serviceability)
2. Horizontal Destructive Test (ultimate load)
3. BRFD™ Band-Plate Fatigue Test
4. Vertical Serviceability Test
5. Vertical Destructive Test (ultimate load)
6. Temperature variation effect on BRFD™ Band-Plating
7. Bushfire effect on BRFD™ Band-Plating

BRFD INSTALLATION

The BRFD™ Nail can easily be installed in either a Single or a Double Nail configuration and using the same equipment as the RFD Nail. Once the Nail has been installed to the correct depth, the Band-Plate is bent to the profile of the pole, M16 bolts are installed and the head of the bolt is slipped into specially designed slots in the bracket and tightened to the correct tension using a torque wrench.

Special “split” Band-Plates are available to facilitate easy installation behind pole furniture such as cables, switch handles or telecommunication assets.

MAXIMUM STRENGTH MINIMUM COST

Used throughout the world by leading utilities and telecommunications industries, UAM’s Pole Reinstatement systems have passed the most stringent tests, and with over 415,000 installations, they are proven performers in safety, effectiveness and cost efficiencies.

Made from the highest quality galvanised steel, the BRFD™ Pole Reinstatement System extends the life of damaged or substandard poles caused by accidental or ground-line deterioration by at least 20 years. This unique system offers a selection of products that cater for specific pole loads.



Band-plate before bending to pole profile



Band-plate attachment