

TR Press Release

TR Fastenings showcases range of specially engineered security components



March 2019



Specialist fasteners allow customers to boost safety and security whilst not compromising on aesthetics

International specialist in the design, engineering, manufacture and distribution of high quality industrial and Cat C fasteners, TR Fastenings (TR), is proud to be able to support a wide variety of sectors with its range of specialist security fasteners, engineered to prevent theft, deter vandalism and boost health and safety.

The security fastener range complements TR's wider catalogue of industrial fastenings and can be used alongside or instead of standard parts. The security fasteners have added features to ensure that the products and their enclosed components cannot be tampered with or become loose, causing damage or injury. They also ensure that the components within the enclosed structures cannot be removed, other than by a specially trained technician with bespoke tools.

TR's range of security fasteners includes machine screws, self-tapping screws, wood screws and self-drilling screws, as well as specialist nuts and drivers. A number of different drive options are available, including pin hexagon, triangular, Kinmar®, 6 lobe pin, Sentinel®, Solok™, Scroll™, Nogo™, Tufnut®, Armour Ring™, oval, shear and more. The full range of product types and drive options can be viewed on the dedicated security fastener landing pages on the TR website.

Design features of security fasteners include:

- Unusual shapes to prevent tampering, requiring non-standard drives such as 2-hole pig-nosed fittings
- Tapered diameters, resistant to gripping devices
- Increased frictional resistance within the bolt, limiting rotation and making it more difficult for the part to be loosened
- Aesthetic features such as shear torques and smooth finishes mean that these fasteners can be ultra-secure whilst also looking good: an important consideration when used in high-end and luxury environments
- The fastenings are used across applications where the components being protected are expensive or function-critical. This could include sophisticated technology, products in high risk environments or public property which needs to be protected from theft and tampering.

Applications where security products are commonly used include:

- Street furniture such as park benches, traffic lights and road signage
- Transport fixtures including car seats, train carriages and underground barriers
- Public venues such as concert arenas, sports stadiums and their interiors, including seating and stages

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Paul Standing, Commercial Products Manager at TR Fastenings, comments:

"As the world we live in continues to evolve, affecting the way we work, live and communicate, there is an increasing need to protect and secure the objects and infrastructures we create.

"Security now plays a vital role all the way through the engineering process, so designing in security fasteners at the beginning of the manufacturing process ensures that products and their enclosures can be protected from risk."