

## TR PRESS PACK PRODUCTS

**TR FASTENINGS** IS RECOGNISED THROUGHOUT THE INDUSTRY FOR WORLD CLASS PRODUCTS & SERVICES

WE MANUFACTURE, STOCK & DISTRIBUTE A VAST RANGE OF INDUSTRIAL FASTENERS & COMPONENTS

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# TR Press Release

## BIAFD Briefing: Repeal of Antidumping Measures on Steel Fasteners from P.R. China



2016

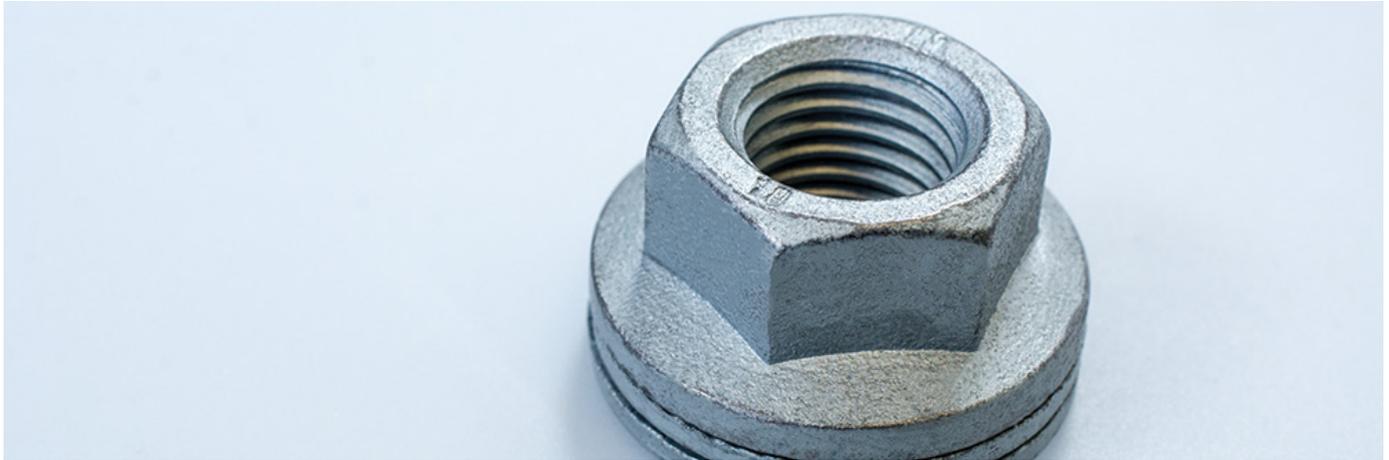


**The European Union has removed high levels of anti dumping tariffs from carbon steel fasteners imported from China.**

These duties had been in effect since January 2009, making the affected fasteners completely uneconomic to source from China.

The short term implications for the fastener supply chain are limited because of production and transit lead-times from China. Fastener importers will need to reassess quality and service levels from Chinese factories which have not been viable sources since 2009. Longer term, China may present some cost savings on simpler fasteners but this potential is uncertain because of the risk of new anti dumping investigations being initiated by the EU. The decline of Sterling's strength against the US Dollar, accelerated recently by Brexit concerns, has counteracted cost reductions in steel, which are less pronounced on wire rod, the primary fastener raw material.

2016



### Making bolt security easier

As part of an ongoing drive for continual product development, leading global manufacturer and supplier TR Fastenings has launched a new wedge-lock nut.

The TR wedge-lock nut combines the proven locking ability of a washer combined with the ease of use of a flanged nut. This one piece design provides the customer with ease of use, effective bolt security and a reduction of assembly time and effort all in one.

The TR wedge-lock nut is supplied pre-assembled with the nut and washer combined in a captive and rotary way, and uses tension instead of friction to positively lock the bolt in place. The proven principle of wedge shaped cams on the inside of the washers and radial teeth on the outside results in increased clamping force being applied during periods of vibration or dynamic load.

The external radial teeth embed into the mating surfaces when tightened while the internal cams react to any movement in the joint by moving across each other. As the height of these cams is greater than the pitch of the bolt thread, the increase in the height of these moving cams increases the clamping force on the joint, thus causing the bolt to self-lock.

The one-piece design eliminates the risk of misuse as the two component parts are fixed permanently in the correct position. The design makes the wedge-lock nut perfect for use in hard to reach locations and also offers considerable reduction in assembly time and effort. Furthermore, as well as being easy, safe and fast to use (even for non-specialist users) the nut is totally re-usable without any loss of function. Typical applications include high pressure valves and actuators, wind turbines, railway and wheel nuts for both road and rough terrain vehicles.

*“The new TR Wedge-Lock nut is a great addition to our range of self-locking nuts,”* comments Paul Standing, Commercial (Products) Manager at TR Fastenings. *“This product range offers the perfect solution to our high end Automotive, Rail, Renewable Energy and Construction business sectors who are looking for components with additional safety and security features. Although it isn’t restricted to these sectors, it ensures that our range is as versatile as our customers need it to be.”*

# TR Press Release

## With Demand Booming, TR Fastenings Adds New Products to Self-Clinch Range



2016



**TR Fastenings, a leading global manufacturer and supplier of industrial fasteners, has further enhanced its self-clinch range of fasteners for sheet metal products to meet growing requirements.**

Demand for TR Fastenings self-clinch fasteners for sheet metal products is evident from a 40% increase in sales over the last five years. This has been achieved by extensively increasing its product portfolio, as well as adding new materials and sizes to existing ranges. TR Fastenings has actively promoted these products via its distributors throughout Europe, where they have established a network built upon successful and mutual relationships.

TR's extensive self-clinch range includes a variety of studs, nuts, stand-offs and panel fasteners and now includes the latest additions in the self-clinch products; the TR-SO Clear-hole, un-threaded standoff, that can be used for spacing and stacking; the TR-PF11 Panel Fastener, available in different screw lengths and a retainer which offers positive-stop during installation; TR-TFH self-clinching studs for applications in sheets as thin as 0.51mm; and TR-TSO self-clinching standoffs for sheets as thin as 0.63mm.

TR's product ranges are accessible via an online catalogue of more than 45,000 products. The company's recently relaunched website also provides an extensive Engineering Knowledge Base. This includes a comprehensive range of 2D/3D fastener models available to download, step-by-step animated installation guides, tooling requirements and related technical information, detailed performance data, material and finish specifications, and fastener standards and comparison tables. With more than 20,000 product configurations available in the online CAD library, engineers can specify the exact size of the fastener they require, then download the correctly sized model in any one of 27 different 2D and 3D formats.

Steve Wallis, TR Fastenings, Product Sales Development Manager says: *"Since 2011 we have invested heavily in our self-clinch range as we continue to meet the demands of our ever increasing customer base. The products are used in a number of different industry sectors and a variety of applications. With such an extensive range of products and services now available we are confident that TR can meet and exceed the expectations of our diverse end-user and distributor network."*



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