



TR PRESS PACK Product News

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

TR launches the EPW, a self-extruding high strength screw for thin sheet metal



December 2018



TR launches the EPW, a self-extruding high strength screw for thin sheet metal The TR patented fastening solution saves customers time and production costs

TR Fastenings (TR), the global engineer, manufacturer and distributor of industrial fasteners, has designed, developed and patented a new fastening solution, the EPW thread-forming screw for thin sheet metal.

The EPW screw is a self-extruding, high strength thread-form fastener which creates its own female thread in punched sheet metal, thereby dramatically reducing assembly times and costs. The screw works by being aligned to the pilot hole in the sheet metal, where it then forms the extruded collar, combining the forming of the thread and the creation of a strong extruded profile, before finally tightening and clamping into the metal.

The key benefits of the EPW screw include:

- Removable and re-usable strong screw joint
- High stripping torque
- High break loose and prevailing torque
- Excellent vibration resistance.
- Combined thread forming and creation of strong extruded profile
- Very high radial compression on screw shank
- Standard machine screws can be used in the thread created by the EPW screw
- Can be used for electrical earth connections
- Suitable for both manual and automated assembly

The screw is designed to function best in thin sheet materials, typically Steel (0.4-1mm thick) and Aluminium (0.4-1.5mm thick). They are available in a variety of surface coatings from standard Zinc plating to Zinc Nickel and organic Zinc flake for higher corrosion resistance. The screw is suitable for use in a variety of applications for home appliances, automotive, electronics, technology, energy, medical, telecoms and general industry sectors.

Depending on size, the minimum economical manufacturing quantity is approx. 20,000 pieces. A fully interactive animation of the EPW and how it works can be viewed on the dedicated product page on the TR website. [Download EPW brochure here](#)

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Karol Gregorczyk, TR VIC Sales and Development Director, comments:

"We are committed to providing the highest possible service to our customers, both in terms of the quality products we manufacture and how we deliver and distribute those products. The development and launch of the new EPW screw is a culmination of the hard work and talent of our TR VIC Italy design team, as well as the significant investment TR has made in the factory."

"The EPW screw will allow our customers to make significant improvements to their manufacturing processes, reducing production times, increasing efficiency and cost-effectiveness."

TR Press Release

How security fasteners help to protect us in a changing world



June 2018



It's undeniable that the world has changed considerably in the last few decades, altering the way we work, communicate, spend our leisure time and even get from A-B. Mobile phones, computers, the internet, GPS and social media are not just handy inventions which enhance the way we live, but actually in many cases shape and dictate it.

With these developments come a new set of dangers and risks that we need to protect ourselves and others from. Just in the same way that we learnt from a young age to consider our personal and physical security by locking doors, not talking to strangers or not doing and taking anything that would harm us, we have also adapted to apply this level of thinking to the new technologies and resources at our fingertips. From logging out of devices, to changing passwords regularly and covering our hands when we enter our pin numbers at the cashpoint, these security measures have crept swiftly and naturally into how we go about our daily lives.

Beyond what we can do ourselves, there are a huge array of security devices and products that help to protect us from harm. The fences that surround schools, homes and workplaces, the CCTV cameras that watch us, the public transport that some of us travel on every day, the street furniture we sit on in our lunch breaks or at weekends; everything has to be safe. Health and safety laws and regulations also require that products meet specific standards and are manufactured with security in mind.

Just as there are many different types and sizes of security products available, there is also a huge range of fastener components used to hold them all together and make sure they work efficiently and effectively. These fasteners must be tamper-resistant and vandal-proof, but must also act in the same way as any other fastener product- they must fit in the aesthetic design of the product and its surroundings and allow the product to move and work in the way it should do.

However, extra touches, such as patented technology to prevent anyone from undoing the fastening without specialist equipment or complex installation processes, mean the shape of a screw is in reality very different to its outside appearance and make these fasteners additionally secure. Available in a range of sizes, these fasteners can be used across product types and variations and be adjusted to specific environments or requirements.

As we increasingly conduct our lives in a more 24-hour, mobile fashion, with more products, devices and objects at our disposal than ever before, it makes sense to protect ourselves and our belongings with the very same smart thinking and technology used to develop them in the first place. By implementing security and tamper-resistant engineering right at the beginning of the product development phase, we can ensure we are doing all we can to contribute to a safer and more secure world.

February 2018



Accreditation register is used by buyers in the defence, aerospace and security sectors

TR Fastenings has retained level 2 status in the Joint Supply Chain Accreditation Register (JOSCAR), a database of firms that have undergone accreditation to prove they have the systems in place to supply to the aerospace, defence and security industry.

The JOSCAR system was established to aid aerospace, defence and security firms to select partners and suppliers as prime contractors across their varying requirements. Vendors are assessed on a number of issues such as business continuity, counterfeiting, IT security, supply chain procedures and modern slavery.

Having the accreditation register in place ensures that potential vendors are assessed for risk, compliance and quality of materials and services. Buyers have access to a single source of accurate, comprehensive and quality data relating to these factors, so they can make informed decisions quickly and assuredly.

Kevin de Stadler, Director of Sales, UK and Ireland at TR Fastenings, comments:

"We strive for the highest levels of quality in every sector that we operate in, and we understand that for the aerospace, defence, and security sectors there is an additional need to assess their suppliers against key criteria due to the high-risk nature of the work these firms carry out.

"Being part of the JOSCAR initiative is hugely important to us and shows our customers in these industries that we take our commitment to quality and standards very seriously, and we are very proud to have retained level 2 accreditation."



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