



Innovation Alley

GRK Fasteners™ Introduces the Next Generation of Multi-Purpose Framing and Decking Fasteners

GRK Fasteners, known for offering "The Industry's Toughest Screws," has updated its GRK R4™ Multi-Purpose Framing and Decking Fasteners.



GRK redesigned the R4 to provide professionals increased speed for improved productivity. It does so by addressing pros' top challenges. One such challenge is slow engagement, often "solved" by the common practice of using an impact driver and screw to stab the wood to avoid spinning while waiting for the fastener to engage.

"We heard from users that getting a screw started in wood was one of their biggest struggles," says GRK product manager, Nick Prazuch. "The new R4 has a Fast-bite tip that immediately starts in a surface, allowing pros to drive more screws in less time."

In addition to productivity-boosting features, the new GRK R4 fastener line was revamped with features designed to ensure better results, including:

- Fast-bite tip: Immediate start in wood. Eliminates the need for pre-drilling.
- Precision-fit star bit head: Reduces wobbling, which eliminates the need to hold the fastener as it goes in, allowing for faster, more confident driving, and makes working in tight spaces easier.
- W-Cut™: Reduces installation torque for fast driving and ease of install.
- Optimized thread length: Improves clamping force and drawing power for no gaps between boards and no rework.



DEWALT® Debuts TOOL CONNECT™ 20V MAX* XR® 1/2" Mid-Range Impact Wrench

DEWALT adds to its growing line of 20V MAX* tools with the XR® 1/2" Mid-Range Impact Wrench featuring the TOOL CONNECT™ system (DCF896). The TOOL CONNECT™ system allows for tool control through its PRECISION WRENCH™ and PRECISION TAP™ control features, as well as a variety of additional customizable settings within the TOOL CONNECT™ app.

The TOOL CONNECT™ 20V MAX* XR® 1/2" Mid-Range Impact Wrench achieves 0-2000 RPM, 3100 impacts per minute, and a maximum torque of 330 ft.-lbs. in forward and 600 ft.-lbs. in reverse. At only 6.95" in length and 3.48 lbs. (tool only), it's a compact choice available in both Hog Ring and Detent Pin configurations. This wrench also features an efficient brushless motor, variable speed trigger, convenient belt clip, and bright LED for illuminating low-lit work areas.

TR Fastenings Showcases Range of Specially Engineered Security Components

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.

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.





Japan Lobtex Releases Hybrid Adjustable Angle Wrench X (90th Anniversary Model) Limited Number

Advanced function: "90th anniversary laser marking(PAT.)

Advanced function: "G-LESS (loose grip prevention) mechanism" (PAT.)

The G-LESS mechanism minimizes any loosening in this direction, resulting in improved ease of use.



Advanced function: "X-DRIVE"

Thanks to the stress relief structure, the new "X-DRIVE" disperses more stress applied to the edges than the conventional tools. Thus, the X-DRIVE can easily apply torque, enabling stable tightening and loosening work, without collapsing the edges.

Advanced function: B-Less (backlash-free) mechanism

The lower jaw rack is sandwiched by "Worm A" and "Worm B" to the point that there is no gapping.

Advanced function: RFH (Round form handle)

The newly shaped (round) handle easily fits the hand.

Japanese KTC Works with Hitachi on AR-Enabled Bolt Fastening System

KTC worked with Hitachi and YAMAGATA and developed a bolt fastening system that shows the fastening position of bolts on a headmount display via AR technology. With this system, operators will be able to check the meter and make sure they are fastening the bolt with rule-compliant force. They can also use the system for digital management. The system will be put into tests and is expected to make train production more efficient.



Japanese Kobayashi Mekki Develops Continuous Visual Inspection Device for Electroplating Inspection

The continuous visual inspection device developed by Kobayashi Mekki has an embedded artificial intelligence software to automatically recognize poorly electroplated and non-plated products. The device no longer has to reconfigure every check item for inspection targets of different sizes and shapes, thus realizing automated inspection procedure. With the device, the company will first achieve full inspection of product sizes below and including M2, and then expand the size range and increase inspection items in the future.



We have 40 years of professional manufacturing experience to help customers solve fastener problems



◀ Special Screws



▲ Stainless Steel

Multi-Process Cold Forging
 Special Custom Fasteners
 Auto/Motorcycle Fasteners
 Special Screws/Special Nuts
 Hand Tool Screws
 Construction Screws





ISO 9001:2015



▲ Aluminum alloy

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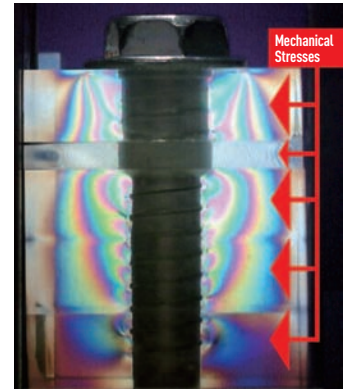




Japanese Nitto Seiko Develops Collar-less Self-tapping Screws

In recent years the Japanese automotive industry started a boom of lightweighting and has increasing demand for automotive self-drilling screws. Of all the types of self-drilling screws, the ones used for resin do not trigger creep (the tendency of a solid material to move slowly or deform permanently under the influence of mechanical stresses) when exposed in high temperatures. For creep prevention, usually a less heat-deformable iron collar and an insert nut are embedded into the resin which then will be fastened. However, this method will increase the use of components, processes and cost, which is against the principles of lightweighting.

Nitto Seiko has successfully developed self-drilling screws for resin that are free from the use of collars and insert nuts. Their axial portion has two different kinds of threads with identical thread pitch. Through the threads, the screws self-tap into the material to be fastened and the mating material. This mechanism prevents wobble and creep in the case of axial force reduction and creep. The screws launched sales since February 1 with a sales target of 1 million pieces to the automotive and household appliance industries by 2020.



Japanese TOP Kogyo Company Rolls out "Head-Swing Locking Ratchet Wrench"

TOP Kogyo developed the "Head-Swing Locking Ratchet Wrench" for fastening nuts. The ratchet part can rotate 180 degrees and locks up at every 22.5 degrees. The ratchet part can fasten nuts even when it is bent and therefore is perfect for fastening innermost nuts that are difficult to reach.

The circumference of the ratchet part is colored to differentiate the front side from the back side. The front side has an engraved arrow sign. Face the yellow side upwards and turn the wrench in the direction of the arrow sign, you will fasten up the nut while avoiding erroneous operations.

The wrench comes in 10 types, including models from 8 mm to 24 mm diameters, and is supplied to the machinery, construction and automotive industries.



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Long Screw Series

⋈ 複合式螺絲
Bi-metal Series

⋈ 自攻螺絲
Tapping Screw Series

特殊螺絲 >>
Special Screw Series

⋈ 三角牙螺絲
Thread Rolling Screw Series

⋈ 防盜螺絲
Security Screw Series

插銷 >>
Snapper Pins

⋈ 雙頭牙螺絲
Double End Screw Hanger Bolts

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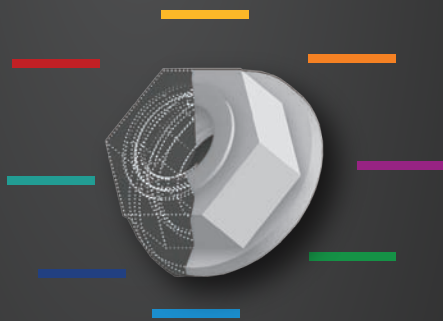
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Bülte Launches a New Range of Adjustable Feet: The "SF" Range

The range of levelling/adjustable feet has recently been extended with the "adjustable feet SF" range. The product is composed of a round base (various diameter available) and a hexagon shaped base above the foot. These new adjustable feet have been introduced to the market at the beginning of February 2019. This new range of adjustable feet is fully in Nylon, both the threaded part and the feet, contrary to the levelling feet usually available on the market that are more of a mix between metal and plastic.

In comparison with the metal-plastic combined products, Nylon offers various advantages; it is lighter, cheaper, and easier to recycle. It does not conduct electricity and is also not subject to corrosion. Polyamide thus allows the use of the "adjustable feet SF" in areas subject to corrosion which, for reasons of hygiene and for specific regulations, require materials resistant to it.

The hex end in the base allows fastening with a spanner. The nylon base, available in 4 different diameters, provides a smooth non-abrasive surface that protects floors. The adjustable feet then allow adjustment under load. This item is ideal for spanner height adjustable when the product is in application. The adjustable feet with hex end are an excellent solution for the levelling and height adjustment of a piece of furniture, machinery or general appliance. The hexagon which can be found at the top of the thread can be used for adjusting the height of the feet from above the foot, without having to remove it from the application they are attached to. They are easy to install without specific tools and make sure your work surfaces are both even and secure.

In term of design, the standard colour of the "adjustable feet SF" is black nylon. But as Polyamide can be colored as one's wish, according to the RAL chart, the "adjustable feet SF" range will be in line with every kind of industrial application, whatever their color might be.