

五金新品大道

Hardware & Tools Innovation Alley

compiled by Fastener World



德國REISSER SCHRAUBENTECHNIK發表RT UNI-C甲板螺絲

REISSER SCHRAUBENTECHNIK Releases RT UNI-C Decking Screw

The REISSER RT UNI-C is manufactured from corrosion- and acid-resistant stainless steel A4 directly at the company headquarters in Criesbach, Germany. It is a high-quality "Made in Germany" product ideally suited for permanent use in outdoor areas that are exposed to weather conditions, including in areas with special climatic conditions, such as those near the coast. Thanks to its diameter of 6.0 mm and length of up to 100 mm, the RT UNI-C is perfect for processing large board thicknesses. It is suitable for all types of wood — even woods containing a large amount of tannic acid and modified woods.

The RT UNI-C was developed in order to make it possible to screw all common softwoods, hardwoods and tropical woods onto wooden substructures with additional large board thicknesses outdoors too, such as in the construction of bridges or platforms, but also in terrace construction as well as in gardening and landscaping.

The RT UNI-C decking screw is equipped with a countersunk head with milling ribs and SIT® drive. The milling ribs ensure effective milled recessing of the head in wood and allow for absolutely flush countersinking. They not only guarantee an attractive final result, but also reduce the risk of injury.

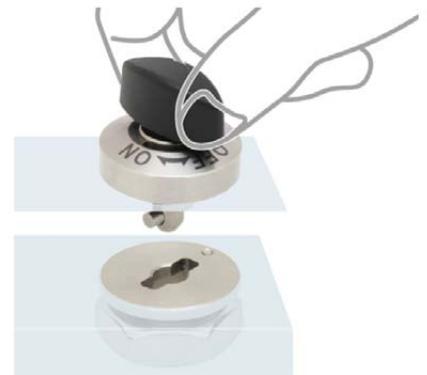
The existing thread under head allows the component to be pressed firmly into place and prevents the wood connectors from creaking or wobbling. The thread under head provides secure support and securely fixes the terrace boards onto the substructure. With the reinforced core in the special thread, the decking screw is more stable and robust and offers a high breakage resistance.

After production, the RT UNI-C made of stainless steel A4 is pickled in the in-house electroplating facility, passivated and coated with anti-friction coating, which considerably reduces the screw-in resistance.

日本Imao推出單觸式快速鎖緊扣件

Japanese Imao Rolls out One Touch Fasteners

One-Touch Fasteners are quick release fasteners to replace bolts for quick and tool-less operation and improved work efficiency. They are particularly suitable for frequent changeover, improving assembling and disassembling efficiency. All models of the quick release fasteners are easy to use, and the intensity of fastening is not subject to variations of human force.



日本Chemical Screw推出高強度熱可塑性KYOUJIN螺栓

Nippon Chemical Screw Rolls out KYOUJIN High Strength Thermoplastic Bolt

Nippon Chemical Screw with over 50 years of history rolls out KYOUJIN Bolt which is made of thermoplastic resin fibers. (KYOUJIN means rigid in Japanese.)

The product's features are:

1. Strength: Highest strength of all the company's products. Tensile strength at 17,492N.
2. Lightweight
3. Insulated: High electricity resistance
4. Corrosion-resistant: No rust and no corrosion
5. Heat resistant: Low heat conductivity
6. Non-magnetic





日本神山鐵工所開發出不鏽鋼螺絲專用表面處理「Blanca」

Japanese Kamiyama Tekkosho Develops Blanca Heat Treatment

The company made its first attempt into the heat treatment field in 2020 and developed "Zero Chromate", a chrome-free electroplating technology, and this time went on to develop RoHS and REACH compliant "Blanca" heat treatment used on SUS410 stainless steel screws. "Blanca" means "white" in Spanish. The name implies the visually appealing and damage-free heat treatment. It sustained 4,000 hours in a salt spray test. It prevents red rust and corrosion, can self-heal and fasten stainless steel plates.



日本Engineer Inc.推出變形金剛版鎖固工具

Transforming the Concept of Fastening Tools

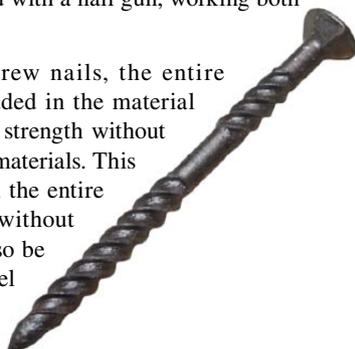
Engineer Inc. is known as a Japanese innovative fastening tool developer. Its new concept of transforming fastening tools is to attach and combine several self-developed products into a super tool. An example is the DR-22/23 tool rolled out this spring which combines a GT Drive handle (DZ-70/71), a magnetic device to suck up screws (DR-19), and a bit to remove damaged screws (DBZ-51/21), forming 3 products with their respective features and benefits into one entity.

日本関計株式会社成功研製出螺紋釘Double Lock Nail®

Japanese Kankei Corporation Successfully Develops Drivable Screw Nails

Kankei has developed Double Lock Nail® harnessing the strength of a self-rotating screw and allowing the use of a nail gun to drive it in place. It can also be removed like a screw, not with a pry bar but by using a power tool. It exerts the fastening force of a screw and can be inserted with a nail gun, working both like a screw and nail.

Unlike conventional screw nails, the entire Double Lock Nail® is embedded in the material when driven in, exerting full strength without creating open space between materials. This is achieved by fastening with the entire nail to create a strong grip without cracking thin wood. It can also be used to fasten C shaped steel and aluminum.



日本Kokubu公司發表不鏽鋼螺絲專用天然油脂成分塗料

Japanese Kokubu Announces Natural Oil Based Coating for Stainless Steel Screws

The "KC18" coating announced by Kokubu Corporation is nothing like anyone would expect as it mainly consists of rice bran oil that enables acid resistance for the coating. Since ancient times, the Japanese has been using natural oils to prevent rust on swords and other iron objects.

Salt spray tests reveal that KC18 can resist red rust for 2016 hours. Cyclic tests show KC18 can prevent red rust for 16 cycles (16 hours of salt spray and 8 hours of drying). KC18 can not only be used as a lubricant in operation, but also improve thread fastening performance, while contributing to environmental protection.

日本峰精密金型製作所推出電動工具用的螺絲止落套頭

Japanese Mine Precision Die Manufactory Rolls out Screw Anti-dropping Socket for Electric Tools

The company's Screw Anti-dropping Socket can tightly grip screws during fastening to prevent screws in rotation from flying off. When the fastening completes, the socket can automatically release screws, thereby improving the fastening.

The socket utilizes a special material with higher flexibility over plastic and better physical properties over rubber to make it easier to attach and release screws. With a built-in coil spring producing a reaction force, the socket can immediately return to its neutral position when it separates from the fastened object. Therefore, the user can continue fastening screws steadily.





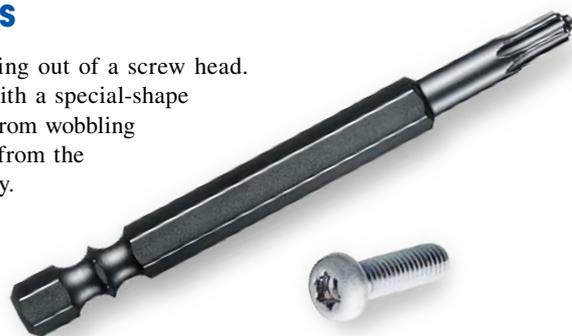
日本Advanex公司「Instant Lock」產品改善天花板安裝 Japanese Advanex's Instant Lock Improves Installation to Ceilings

The Advanex "Instant Lock" is a hardware to prevent nuts from loosening and falling. Mount it from below onto a hanger bolt and it is good to go without the need for maintenance. It can be mounted and dismantled single-handedly and effortlessly. It doesn't require any tools nor torque management. Currently it is used in installation to ceilings but will expand its application to other fields.

日本HIOS推出INTRTORQUE系列精密小螺絲 Japanese HIOS Rolls out INTRTORQUE Mirco Screws

INTRTORQUE is a solution to prevent a screwdriver bit from slipping out of a screw head. Its screw head has a hexalobular recess, and its screwdriver bit comes with a special-shape protruding point at the bit's end. The protruding point prevents the screw from wobbling during the fastening process. Additionally, even with an offset of 1.5mm from the position of the pre-drilled screw hole, the screw can still screw in immediately.

Currently, HIOS has added micro screws into the INTRTORQUE series, and they are applied to smartphones, automotive devices and computers, tapping into the market of automated fastening for precision machines.



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Established in 1993, YUYAO BIAOER is a manufacturing and trading company specializing in EYEBOLT (GB789, DIN444) and HINGE.

Material: 4.6/ 8.8/ 10.9/ 12.9/ A2-70/ A4-70)

Standards: M6 - M100 (1/4" ~ 2")
The machined spherical part will remain cleaned and bright after a hot/cold forging and a complete cut process.

We've cooperated with big customers such as ...

- (1) SIEMENS, ABB, GE, ..., etc.
- (2) WUERTH, BOSSARD, FABORY, GRAINGER, S+P, LEDERER, WASI, FASCO, ..., etc.

We would like to take this opportunity to welcome you as our new customers. If you are interested, please contact us.



Attn: Mrs. Lao / Mr. Ruan



日本專業工具與五金經銷商Trusco推出MRO倉儲櫃與量販機

Japanese Professional Tool & Hardware Distributor Trusco Provides MRO Stocker Service & Vending Machine

Trusco rolled out the "MRO Stocker" service in January 2020. The stockers are placed at the customers' work place and the customers will just have to use their phones to select just enough out of 48 thousand products from Trusco. The selected products will be placed on the stockers. This will eliminate customers' initial cost and management cost and there is no need to wait on lead times.



The company added a new service via vending machines in October 2021. The vending machines can provide products to any customers 24-7, increase market penetration, and even prevent theft. So far, the machines have been adopted in 153 cases.

In the future, Trusco will develop an AI function to predict the use of machines and climate conditions before displaying products.

日本Techno Associe推出「TAFF®-A」系列螺絲

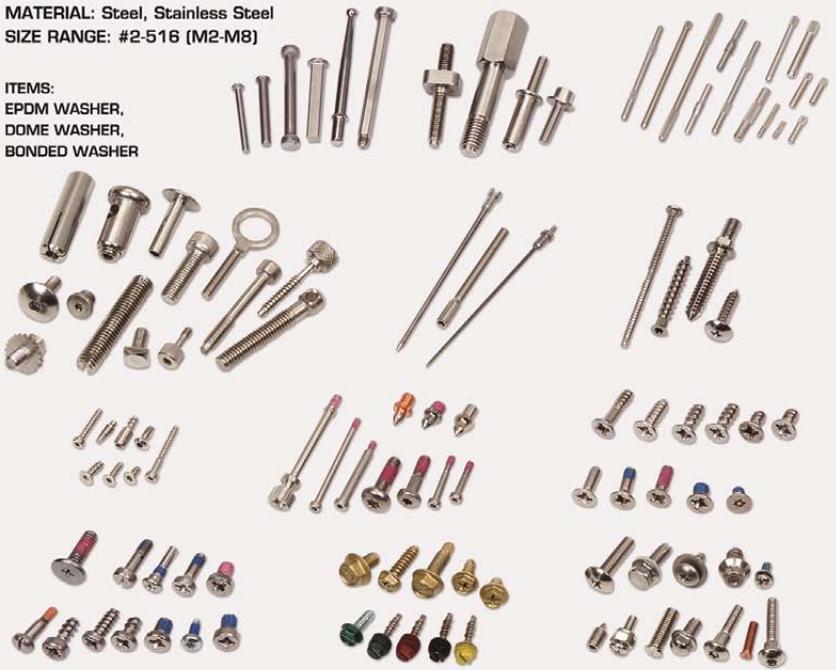
Japanese Techno Associe Rolls out "TAFF®-A" Screw Series

To improve automated screw fastening, Techno Associe rolls out "TAFF®-A" Screw Series, including mini-screws, machine screws, high strength screws and self-tapping screws. Customers can choose one of them according to the type of fastened objects and applications to solve the problems with automation and greatly improve productivity. The series can be used with electric screwdrivers, multi-knot robotic arms and production lines, and has achieved cost reduction in screw fastening. The series doesn't create gaps with the bits and therefore is suitable with automated screw fastening devices.



MATERIAL: Steel, Stainless Steel
SIZE RANGE: #2-516 (M2-M8)

ITEMS:
EPDM WASHER,
DOME WASHER,
BONDED WASHER



MATERIAL:
Steel, Stainless Steel
SIZE RANGE:
3.5x9.5mm-6.3x300mm

CORROSION RESISTANT:
1. SALT (ASTM B-117)
500hours - 2,000hours
2. ACID (DIN 50018)
15 - 20 Cycles



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