



New Deck-Drive™ DCU Composite Screw Versatile for All Types of Composite Decking

美國Simpson Strong-Tie發表新款複合式Deck-Drive™複合甲板螺絲

Simpson Strong-Tie, the industry leader in engineered structural connectors and building solutions, is launching a new screw that is designed to work in all types of composite decking as well as encapsulated composite. The Deck-Drive™ DCU Composite screw provides a cleaner, less noticeable installed appearance due to its special head design. The screws are offered in bulk and collated for use with the Quik Drive® auto-feed screw driving system. Other key features include:

- Inverted upper threads ensure the screw is seated properly and consistently
- Tri-lobe thread design reduces damage to the composite board while driving
- Quik Guard® coating enables it to be used with many preservative-treated wood substrates
- Cap-head prevents mushrooming and material from rising up above the deck board for a smoother, clean-looking installation

The DCU Composite screw is also available in colors matched to blend with most major composite decking products, and is an approved fastener for Trex® composite decking.

Bryce Fastener Adds a New Security Lag Bolt 美國Bryce公司發表木螺栓新品

Currently, there are few types of lag bolts available in the marketplace; standard hex heads are the most popular. Lag bolts are cheap, but not always the preferred choice for installers

because they require a pre-drilled hole before fastener insertion. They also won't provide the type of security needed for high security applications. Bryce Fastener, the producer of the highest-level security screws, security nuts, and security bolts, designed a new type of lag bolt from scratch upon a customer's request for a security lag bolt.

"The customer specifically wanted an internal drive that no other bit could defeat and enough torque to handle the stress of a power driver," said Bryce Campbell, President and CEO. "We also wanted to create a drive strong enough to eliminate the need for a pre-drilled hole," added Bryce. After the challenging manufacturing process and a few prototypes, Bryce Fastener's new security lag bolts will handle the stress of a heavy load while preventing theft.



Exquisite 新品大道 New Fasteners

compiled by Fastener World Inc.



British RotaBolt Releases First Wireless Remote Monitoring System for Bolted Joint

英國RotaBolt發表全球首款螺栓接合無線遠端監控系統

The first system in the world to offer true remote, wireless monitoring of bolted joint integrity has been launched by James Walker RotaBolt in partnership with Transmission Dynamics.

The RotaBolt-TD system continuously monitors and wirelessly reports in-service bolt tension, and can even issue 'tension-loss alarms' via email or SMS direct to stakeholders. It has the potential to revolutionise maintenance regimes particularly where important bolted joints are difficult to access because of location or operational environment.

Japanese Yura Sansho Rolls out Anti-rust Enhanced Grade 14.9 Ultra-high Tension Socket Head Cap Bolt

日本由良公司推出防鏽塗膜強化版『14.9級超強度六角穴螺栓』

Earlier this year the media reported Yura Sansho Co., Ltd teamed up with Kyokuto Mfg. Co., Ltd and developed "Grade 14.9 Ultra-high Tension Socket Head Cap Bolt". Recently Yura Sansho enhanced the product by adding Delta Protekt® anti-rust coating to it, and restarted sales in May. With the coating evenly distributed (coating width: 10-15 μ) onto the product, the product demonstrates ultra-strength (1,400N/mm²) and 1,000hr salt spray resistance. Sizes M6, M8, M10, M12 are available from inventory.



Daimaru Develops Mushroom Knob

大丸鋸螺製作所開發蕈頭旋鈕

To cope with diversified market demand, Daimaru Byora Seisakusho Ltd developed "Mushroom Knob" as a new product of the resin insert forming fastener series. This product has two types: male screw (bolt) and female screw (nut). It is currently available for purchase and can be sold from stock.



"With the RotaBolt-TD System, you will be able to monitor all the important bolted joints in an offshore wind farm from your mobile phone," commented Rod Corbett from James Walker RotaBolt, "it is going to have a major impact on maintenance costs across many different industries and applications."

Each bolt in the RotaBolt-TD system contains micro instrumentation and a wireless transmitter. It periodically reads bolt tension, critical to the integrity of the joint, and then wirelessly transfers the information to a local transceiver which collects the data from any number of bolts and then transmits the report via the internet, or GSM network, to a secure server.

The system, which has taken over five years to research and develop, allows for continuous monitoring of bolt tension and automatic report generation. It can deploy an alarm in case of a sudden loss of bolt tension below a predefined level, notifying authorised stakeholders globally by either email or SMS. Each bolt contains a coin-cell battery which ensures 5 years continuous unattended operation.



Hong Kong High School Student Wins Awards for "Active-alert Screw"

港生研發「自診螺絲」獲殊榮

Hong Kong-based S.K.H Li Ping Secondary School currently took part in the largest scientific research event of Hong Kong-"The Technology & Innovation Competition for Hong Kong Teenagers. The work it presented in the event was "the active-alert screw, nut, and washer," which won the top 1 Award in the category of Physics & Engineering of the competition. This work was co-designed by Wen-jing Chu, Minghsien Chien, and Mei Wu for solving screw loosening resulted from vibration or incomplete locking. Users can see a different color as an alert on the screw when it becomes unexpectedly loose, so they know it is time to repair the screw to prevent incidents from happening. This work is simple and very practical.

iiFAS Releases Adiabatic Type Drill Insert Bolt

iiFAS推出絕熱型鑽孔內嵌式螺栓

Last December iiFAS released adiabatic drill insert bolts used for deck plates. After drilling a thread hole in an adiabatic plate, place the bolt and it can be used as a hanger bolt. The previous version requires a



special-purpose tool or even a steel drill for hole drilling, and the operator has to install an adiabatic insert before injecting concrete. In contrast, the adiabatic type drill insert bolt only requires common cordless drivers to drill the adiabatic plate and install the adiabatic insert. The advantage is huge cost reduction, shorter operating time and compensation for lack of operators.

Japan's Ikeda Neji Shokai Earns Market Awareness by Its Pact Technology

日本池田螺絲商會公司的扣件薄膜技術獲市場高度評價

Ikeda Neji Shokai Co., Ltd has successfully combined nut, spring washer, and flat washer into a single unit through its thin film technology called "Pact", receiving positive feedback from the market. This technology enables users to fasten screws efficiently and accurately no matter where the screw is fastened to, and it also allows for diversified use with other applications to greatly reduce total cost.



Japan's Daimaru Develops and Commoditizes "7-Nob Bolt/Nut"

大丸鋁螺開發並商品化「七角帽蓋螺柱/螺帽」

Daimaru Byora Seisakusho Ltd previously has developed and commoditized "7-Nob Bolt/Nut" and started sales in June. The product has a cap head in heptagon shape for easy gripping and a sense of fitness. The plastic part of the product is made from PBT (Polybutylene Terephthalate)

and the threaded part is made of SUS16L to greatly improve resistance against chemical corrosion. The product is mainly designed to satisfy the demand of medical and care device.



Creative Marketing: Japanese Sanwa Screws & Tools Company Rolls Out Anniversary Cutie Baby Screw

【扣件文創行銷】日本三和鋁螺公司新作：「週年紀念螺絲寶寶」

On March 2, Sanwa Screws & Tools Company rolled out a new series of cutie screws called "Anniversary Cutie Baby Screw". The company put a red ribbon and a purple bow tie respectively on two magnetic-type screws, and sell them for anniversary circumstance like graduation, entering school, or job entrance. A magnet (Neodymium) is embedded into the baby screws so that they can be used on lockers or racks in schools or companies. The product comes in two versions. The red version has a ribbon on the head and holds a red plastic screw symbolizing a bouquet of flowers. The black version has a bow tie and holds a black plastic screw symbolizing a diploma tube.



Japanese Daimaru Rolls out New Lineup for Cosmetic Screws

日本大丸鋁螺公司推出裝飾螺絲新品陣容

Daimaru Byora Seisakusho, Ltd rolls out a new series of cosmetic screws starting sales from ready stock in December 2014. The new series can be order-made into different colors which cannot be applied to the old series. The new series is expected to be demanded more than ever by display furniture applications. Daimaru's product line also includes phosphorescent cosmetic screws that feature the ability to glow after absorbing energy from sunlight or fluorescent lamp and comes with improved 8 hour long phosphorescence.



Tapping into Kids Market! Japanese Hashimoto Rashi Rolls out Free-combination & Free-Transformation "Screw Block" in Summer 2015

扣件打入兒童市場! 日本橋本螺子公司2015年夏季發售造型自由組合的螺絲積木

Hashimoto Rashi Co., Ltd has developed "Screw Blocks" kit with which users can make desktop-size models on their own by freely combining screws. The kit comes with assorted types of screws, nuts, and joints. Through free combination and replacement, users can build 3-dimensional models in the form of human, animal, robot, or other objects. Hashimoto Rashi president says, "We want to create a product that brings people back to the starting point of object creation." The kit requires a little sophistication of handcraft and thus is suitable for use with rehabilitation, and a greater application range including schools, hospitals, and care centers. Price is estimated between JPY 1,000-2,000.





Japanese Sanko Techno Rolls out Concrete and Hollow Wall Exclusive "Smart Plug" Anchor

日本Sanko Techno公司推出水泥與中空牆壁專用錨栓「Smart Plug」

Sanko Techno Co has launched sale of concrete and hollow wall exclusive "Smart Plug" anchor on June 1. After fastening the screw inside the anchor, the anchor body will expand 3 times in size inside the concrete or hollow wall for stabilized fixture. The product is available in 4 sizes: SMT-5 (external diameter of anchor bolt) ×25 (total length), SMT-6 x 30, SMT-8 x 40, and SMT-10 x 50. When using the product on concrete and ALC board, (1) drill a hole for required diameter and depth, (2) use dust pump to remove dust in the hole, (3) insert "Smart Plug", (4) fasten the screw to complete the work.

Japanese Yamashina's New Product: THINCA Thin Steel Plate Screw

日本Yamashina公司新品: THINCA薄鋼板螺絲

The new product, called THINCA, adopts "4 threads + 2 threads" special design. It can be used with steel plates even as thin as 0.3mm. Compared with former series, THINCA has double the torque strength so it is difficult to loosen. Torque configuration is easy, ensuring the fastened material will not be damaged and at the same time retain fastening strength. THINCA has wide application in household appliance and machinery industry where usage of thin steel plates is common to achieve lighter weight, contributing in a great deal to the competitiveness of the manufacturing sector.

Features of THINCA:

1. A tapping screw specifically used with 0.3-0.6mm thin steel plates.
2. Double torque range.
3. Only half the time required to fasten a thin steel plate.

Currently THINCA is only available in M4 size. Other appropriate sizes will be rolled out in the future.



Japanese Advanex to Open Overseas Sale of US-aerospace-approved "Lock One" Spring

日本Advanex公司將在海外販售通過美國航太標準且能防止螺帽脫落的「Lock One」彈簧

Advanex Inc plans to start overseas sale of "Lock One" Spring that can prevent nuts from loosening. The product is approved by NAS3350 (U.S. aerospace standard). It has high quality and good domestic sales results. Advanex will sell it via subsidiaries in Europe and China. In Japan, the product is mainly supplied to road, railway, civil engineering, and electric application markets. It is applied in villa construction, factory equipment, and amusement park construction and sold at a volume of 700 thousand pieces. It has passed the impact vibration test (U.S. aerospace standard) and is applicable under corrosive temperature and environment. The user can use a common wrench to repeatedly fasten or loosen "Lock One" Spring onto the bolt and nut for strong nut fixture. The product is under the test for application in China's high speed railway and is planned to be sold through Hong Kong subsidiary within the year. In Europe, the product is planned to be sold through UK subsidiary.



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