

Fastener Innovation Alley

compiled by Fastener World

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

Features of this product are:

1. Strength: The highest strength of all the company's products. Tensile strength at 17492N.
2. Lightweight
3. Insulated: High electricity resistance.
4. Corrosion-resistant: No rust and no corrosion.
5. Heat resistant: Low heat conductivity.
6. Non-magnetic.

KYOUJIN High Strength Thermoplastic Bolt



Filler-free Rust Preventative Cap



A simple concept of shielding bolts and nuts brings the birth of a preventative cap named "Mamoru-kun" manufactured by the Japanese Kyowa Rubber. The installation is completed simply by screwing in the cap along the extra length of the bolt. High watertightness (IPX7 grade) prevents the bolt from rust and extends the life of infrastructure.

Made of polycarbonate, the cap has the same level of transparency as glass does, so visual inspection is possible without removing the cap, while providing strong weather resistance. It has passed the NAS3350 vibration test.





Threadstrong® Line of Made-In-USA Aftermarket Wheel Fasteners

MacLean-Fogg Component Solutions (MFCS), a leading supplier of original equipment automotive components, announces the launch of the Threadstrong® brand. "We are well known as the leading OEM supplier in North America for high performance, decorative wheel fasteners. It's always been frustrating to us to see the aftermarket flooded with inferior, low quality and potentially dangerous replacement wheel fasteners of unknown origin. So, we decided to do something about it." Said Brad Southwood, MFCS Vice

President of Sales and Marketing. "No team is more knowledgeable about how to engineer and manufacture safe and durable wheel fasteners than the MacLean-Fogg team. We've been the leading supplier to many of the world's largest automakers for over 40 years. We want the aftermarket consumers to know that when they buy a Threadstrong® wheel fastener, they can trust it was made in the U.S.A to all of the needed safety specifications." Said Rob Whitney, President of the MFCS Fastener Division "A lot goes into wheel fasteners that the general consumer probably doesn't think about. Beyond just obvious considerations like material strength, corrosion resistance, and durability, there is a tremendous amount of engineering and quality control that goes into controlling the friction of the fastener's load bearing surface against the wheel. Too much friction and the wheel fastener will torque down while still being loose against the wheel, creating a potentially unsafe condition. Too little friction and the act of torquing the nut down can overstretch the stud creating a wheel stud failure. Can you trust that the replacement nuts you see online or in retail stores have the proper friction and coatings needed to assure a safe clamp? Our benchmark testing shows significant inconsistencies. What we do know is that Threadstrong® wheel fasteners will be safe to install and will work in the stated application." Said Mark Raves, Director of Wheel Fastener Engineering for MFCS. Threadstrong® wheel fasteners are available to consumers via www.Threadstrong.use-commerce website and other select outlets. Every Threadstrong® aftermarket wheel fastener is engineered and built in MFCS factories in Michigan and Illinois. The Threadstrong® brand is launching with a limited number of applications in both stainless steel and black appearance with new applications to be added soon.

T-SLB Fasteners for Wood-steel Hybrid Buildings



T-LSB (Lug Screw Bolt) manufactured by the Japanese Toneji is a fastener for steel plates and cross-laminated timber (CLT). It is designed to simplify construction process and reduce costs, delivering great performance on wood-steel hybrid buildings.

The features of T-LSB are:

1. Unlike the previous LSB fastener, T-LSB doesn't include a hexagonal head and doesn't require counterboring the wood.
2. Without counterboring, there is no need to fill in epoxy resin.
3. The operator can use designated bolts to drive in with ease.
4. Simplified construction process, shortened work time.



Trex® Universal Fastener Installation Tool Improving Deck Installation and Longevity



More than a decade ago, Trex expanded its Hideaway® Hidden Fastening System with the introduction of the Universal Fastener, which can be used with most major competitive deck boards. This product was designed in conjunction with contractor feedback to deliver a fast and easy installation while eliminating the excess waste of carrying several product lines' hidden fasteners. To further help building professionals optimize both cost and time efficiency, Trex has introduced the new Trex® Universal Fastener Installation Tool, an innovative accessory designed to increase application ease and accuracy, while reducing installation time by up to 50%.

Created with both professionals and DIYers in mind, this tool cuts installation time in half by allowing the installer to fully actuate the fastener in one easy step. Utilizing a nose cone to make sure the bit hits the fastener head, as well as a unique drive angle, the installer can now fully tighten each clip while easily sliding the next board into place. Lightweight and durable, the tool also features a rotatable handle that allows for both pushing and pulling from a variety of angles, along with a handy bit holder on the underside.

The new Trex tool delivers a simple installation process that allows for a clean, superior, fastener-free deck surface. The Universal Fastener also makes it faster and easier to replace damaged boards – even those in the middle of a deck – resulting in less time spent on callbacks.

"ANCHORS"

WE SUPPLY MANY OTHER KINDS OF HIGH-QUALITY PRODUCTS



MAXTOOL®

MAXTOOL INDUSTRIAL CO., LTD.

No. 93, Sec. 4, Chung Chin Rd., Daya Dist.,
Taichung City 42880, Taiwan

Tel: 886-4-25672336 Fax: 886-4-25671242

E-mail: service@maxtool.com.tw

<http://www.maxtool.com.tw>

<http://www.fastener-world.com/en/supplier/maxtool>

