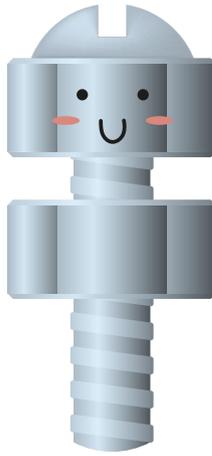


Innovation Alley

compiled by Fastener World



Germany-headquartered GOEBEL Introduces GO-LOCK Structural Rivets

GOEBEL Fasteners Inc., which has 7 operations in Europe, N. America and Latin America has recently released a new type of structural rivets, which the company called “the Champion of Structural Rivets.”

This new product made of Aluminum / Aluminum (ABA-GL), Steel / Steel (SBS-GL, SCS-GL) or Stainless / Stainless (IBI-GL) has the following attributes:

- Unique locking function
- Fully sealed joint that is vibration resistant
- High shear and tensile values
- Great hole fill capacity, compensating for irregular and oversized drill holes.
- Very versatile

It is available in sizes of 3/16” (4.8mm) and 1/4” (6.4mm) with the head styles of Dome Head (Protruding) or Countersunk (Flush) and can be applied in industries like automotive, truck & trailer, construction / steel frame systems, and many more.



Böllhoff Releases HITSERT® Screwlock – an Efficient Combination of Two Fasteners

A new fastener for the aerospace industry.

The HITSERT® Screwlock combines the advantages of an aluminium HITSERT® 2 and a stainless steel HELICOIL® Screwlock thread insert for screwed connections with high requirements.

These two elements match perfectly to provide considerable benefits for screwed connections with high requirements. Locking of the screw is achieved with polygonal-shaped threads of the HELICOIL® Screwlock. These threads have a locking effect on the flanks of the screw or bolt to be screwed in. The result is an elastically resilient frictional locking mechanism with the bolt or screw resisting self-loosening and unscrewing.



Japanese Suzumoto Succeeds in Manufacture of FRP Washers Through Press Working

Suzumoto specializes in special washers. For the past 80 years in history it has accrued know-how on washer manufacturing, and it is able to provide washers in various materials and sizes. Recently the company succeeded in manufacture of fiber reinforced plastic (FRP) washers that are suitable for insulation applications. Besides FRP, the company can manufacture products made of titanium, Hastelloy, inconel, vinyl chloride resin, acrylic, and fiber through press working.



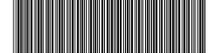
Milwaukee Rolls out Best-in-class M18 FUEL™ Impact Wrench

The M18 ONE FHIWF34 FUEL™ impact wrench is the most powerful cordless impact wrench in its class, delivering up 1,627 Nm of fastening torque. Its compact size of 213 mm provides for even greater access in confined spaces. The ONE-KEY™ app is a digital platform for tools and equipment that allows users to customise, track, and manage their power tools. The added benefit is that ONE KEY™ allows for the tool to be set up for specific applications.

The tool's POWERSTATE™ brushless motor outperforms competitors due to its constant power output. The REDLITHIUM™ M18 B5 battery pack delivers more work per charge, and more work over pack life than any other battery. An onboard REDLINK PC board monitors each cell for load and temperature, meaning less downtime and a longer tool life.

Milwaukee's proprietary four-mode DRIVE CONTROL™ feature allows users to shift into four different speed and torque settings. These settings can also be customised using the ONE KEY™ app. REDLINK PLUS also ensures maximum performance and protection from overload, overheating, and over-discharge. The tool's Mode 4 bolt removal function, provides for a maximum nut-busting torque of 2,034 Nm and then shifts to 750 rpm, after the bolt is loosened, thereby ensuring unmatched control when removing fasteners.





Profil UK's New Fastener Provides Higher Performance and Reduced Costs

The new RND Light range of fasteners from Profil UK is said to offer a raft of advantages to designers seeking to fasten metals, plastics and composites strongly, more efficiently and at lower cost.

RND Light is designed and developed to meet automotive industry demands and specifications for a lightweight fastener that delivers superior pull-out performance to pierce nuts. A further advantage of RND Light fasteners is that they can be used in many different material thicknesses, varying between 0.5mm and 2.5mm. Coupled with a fastener weight that is comparable to pierce fasteners and an installed OD which is actually smaller than pierce fasteners, the RND Light range features a clever series of integrated ribs on the riveting part of the fastener. This allows a smaller fastener to outperform bigger alternatives yet also provide greater pull-out resistance. Profil's new RND Light is available in sizes M6 to M12 and can be specified with a wide choice of finishes to suit most applications. The company also designs and installs turnkey fully-automated fastener installation systems.



PEM® SFN™ Spinning Flare Nuts Can Eliminate All Loose Fasteners In Thin Metal Sheet Attachment Applications

PEM® SFN™ spinning flare nuts from PennEngineering® become permanently captivated upon installation in thin metal sheets and, when paired with a self-clinching stud or other fixed externally threaded hardware, can eliminate all loose fasteners (including flange nuts) in attachment applications. These one-piece, flanged hex nuts additionally will spin freely in a sheet enabling quick attachment to mating hardware. Their use ultimately promotes savings in assembly time and costs.

PEM SFN steel spinning flare nuts install in steel, stainless steel, or aluminum sheets of any hardness and as thin as 1mm. They are available in metric thread sizes M5, M6, and 8.

Permanent installation is accomplished by inserting the nut into a properly sized, pre-punched, and embossed mounting hole in a metal sheet and then applying sufficient squeezing force to flare the fastener's shank. When installed, the part will appear identical to a standard flanged hex nut above the sheet and will remain flush on the other side. ■



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Main Products

- Nylon Washer
- Flat Washer
- Cap Nut
- Plastic Screw

- Plastic Nut
- Rubber O-Ring
- Various Plastic Products

主要產品

- 尼龍華司
- 墊圈、戴帽
- 塑膠螺絲

- 塑膠螺帽
- 橡膠O型環
- 各類塑膠橡膠製品