

Fastener Innovation Alley

Plas-Tech 30-20® Screws

TR Fastenings's latest product launch of the new Plas-Tech 30-20® screws is another indicator of the company's determination to increase its range that is currently available in the market, to give their customers yet more advantages in their production processes.



Plas-Tech 30-20® screws are new to the market, but are part of the company's established and popular Plas-Tech® range, and are available with various protective coatings. They are of particular importance in the automotive, tech & infrastructure and health & home markets.

The Plas-Tech 30-20® offers several advantages over conventional thread-forming screws in plastic, such as a 20% finer pitch and lower flank angle to improve axial resistance, a reduced thread angle to lessen axial displacement, up to 25% higher thread fill to improve maximum joint strength, and a smoother installation that heightens resistance to vibration.

Key features of the Plas-Tech 30-20® include minimal radial stress, superior vibration resistance, high torsional strength and tensile strength, optimal thread pitch, and high reusability.

Deck-Drive™ DSV WOOD Deck Screws



DSV Wood deck screws by Simpson Strong-Tie are innovatively designed for the rigors of preservative-treated decking and exterior wood-to-wood applications. They feature underhead nibs, making it easy to countersink into the board for a clean, streamlined appearance; a high-low threaded tip for easier driving; a special shank designed to withstand the swelling and shrinkage common to sawn lumber decking; and low-torque threads that allow for up to 35% more screws to be driven per charge.

The screws' other key feature is a Quik Guard coating that provides corrosion resistance against exterior elements and certain wood treatments. The DSV lineup now includes a black coating option, alongside tan, red and gray, to blend with each project's unique color needs.

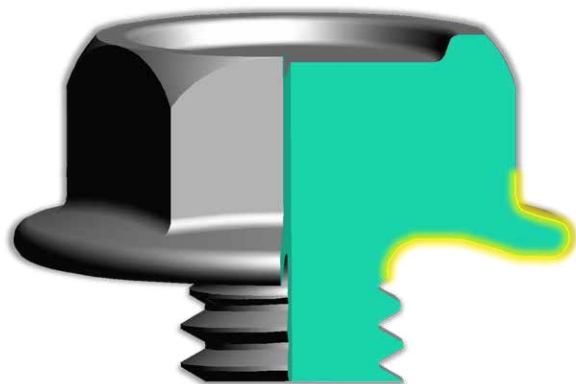
"The new black DSV screw not only provides strength and durability but also adds a touch of aesthetics to outdoor living spaces, whether you're a professional builder or embarking on a DIY project, it's the ideal choice for decking, fencing, outdoor furniture projects, pergolas and more," said Eric Philip, Fasteners Product Manager for Simpson Strong-Tie.

Deck-Drive DSV Wood screws with the black Quik Guard coating come in #8 and #10 sizes and three lengths for hand-drive applications; #10 sizes are load-rated for shear, pull-through and withdrawal resistance. Multiple package sizes are available.

Cup Bolt

Nitto Seiko's Cup Bolt is a flange-type locking bolt that can replace bolts incorporating spring washers and flat washers. This new product is currently patent pending.

Conventional locking bolts generally use a combination of a spring washer and a plain washer. The new product Cup Bolt has a flange integrally molded on the head with a tapered undercut section extending from the neck to the outer periphery, and a continuous undercut section located at the outermost periphery. It has a cup shape consisting of a flat part. When fastened, this part elastically deforms and acts like a spring washer, so you can get a strong locking effect without using a spring washer or flat washer. Additionally, by reducing the number of parts, Cup Bolt achieves a weight reduction of approximately 18% compared to conventional models.



BariKiru One-shot Deck Screw

Kamiyama Tekkosho has recently developed a one-shot deck screw called BariKiru that does not require pilot hole drilling. Mass production has begun since this February, and a patent has been filed.

BariKiru can perform four actions in one step:

- 1) Drilling pilot holes in the deck material
- 2) Counterbore
- 3) Tightening screws
- 4) Removing burrs after construction



Wireless HP Series Torque Meter

HIOS Inc launched presale of the wireless "HP-100" and "HP-10" torque meters in Japan on April 22. This is the first model in the series to have the ability to transfer torque data wirelessly.

The HP series is a high-performance torque meter that comes standard with data transfer in addition to basic performance such as high-precision torque measurement, check of measurement errors, and built-in battery. In addition to accuracy and convenience, it supports a wide range of application from torque measurement of electric screwdrivers to measurements of torque wrenches.

HIOS's high-precision measurement has evolved into three modes. You can check the "peak value", "waveform", "continuous waveform" and other precision values, or check torque changes via visualized graphs. The HP series takes into account precise and accurate display as well as viewing convenience. ■



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