

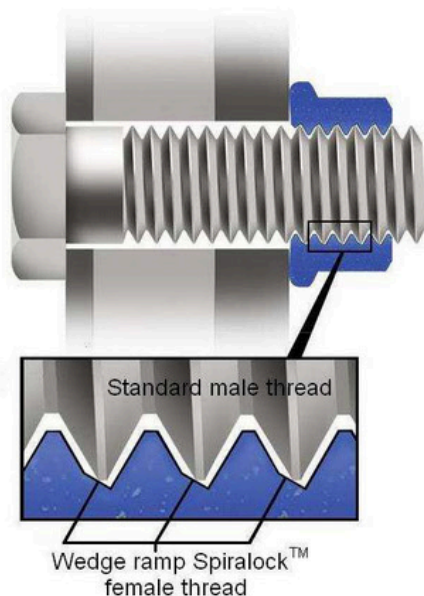


Spirallock®

Technologically-superior fastening system ideally suited for threaded joint applications subjected to heavy vibration and challenging environments.

Spirallock® Innovation

Whether it's a simple change of a fastener or a custom-designed solution, Spirallock technology delivers reliability of product performance that customers can count on.



The Edge is in the Wedge™

By adding a 30° wedge ramp at the root of the internal thread, Spirallock has engineered a simple yet effective way to transform a traditional threaded joint into a safer and more reliable element. This remarkable design provides exceptional resistance to vibration loosening, improved joint integrity and consistent, repeated reusability while eliminating the need for secondary locking devices.

To request a quote, please email releases@dbroberts.com, or call us at 800-773-5388.

To survive the vibration and high temperatures of launch, we require the most reliable locking engagement thread. Screws must remain tight without opportunity for retightening. With conventional threading, screws loosened up and backed out under testing. The Spirallock thread form retained a tight seal at 300° C. Once torqued down properly, the screws stayed put in the threads, which helped us meet our flight schedule.

Dan Harpold
NASA SCIENTIST

Load Distribution

The load carried by Spirallock threads is more uniform than 60° threads. Load percentage on the first engaged Spirallock thread is significantly lower.

[Read More](#)

Vibration Loosening Resistance

Testing on Junker vibration equipment has proven that the Spirallock thread form outperforms other thread locking devices.

[Read More](#)

Spirallock® Calculators

Use our interactive Torque and Drill Size calculators to determine your required values and recommendations.

[Spirallock® Drill Size Calculator](#)
[Spirallock Torque Calculator](#)

Spirallock® Technology

The standard internal thread profile has been transformed into a self-locking female thread form with the addition of a unique 30° wedge ramp at the root of the thread.

[Read More](#)

See It Work

Watch Spirallock in animated clips showing the Morphing Animation, Load Vector Comparison, and Photoelastic Analysis.

[Read More](#)

Spirallock® Taps & Gages

Spirallock® taps come in different styles to accommodate your needs and requirements. Gaging Spirallock® threads requires the use of special gages to ensure proper function of the thread. Non-Spirallock gages cannot determine the functionality of Spirallock® threads.

[Explore Accessories](#)
[Taps Sizes Chart - English](#)
[Taps Sizes Chart - Metric](#)
[Taps Sizes Chart - Fractional](#)

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Featured Spirallock® Fasteners



Spirallock® Hex Flange (Metric & Fractional Sizes)



Spirallock® Self-Clinching Miniature Fasteners



Spirallock® Post-Molded Threaded Inserts



Spirallock® Made to Order Fasteners

Need Help Finding the Right Solution?

Let our experts provide recommendations for your project or application.

[CONTACT US](#)

Featured Spirallock® Tools

Cutting and cold forming taps (including premium taps for demanding applications), thread milling cutters and inserts, and gages.



Spirallock® Gage Sets



Spirallock® High Performance Taps



Spirallock® Multipurpose Taps



Spirallock® Thread Milling Cutters

The availability of the products described on this site, and the product descriptions, may vary from country to country. Consult your STANLEY Engineered Fastening Account Executive or your local distributor for specific product information.

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