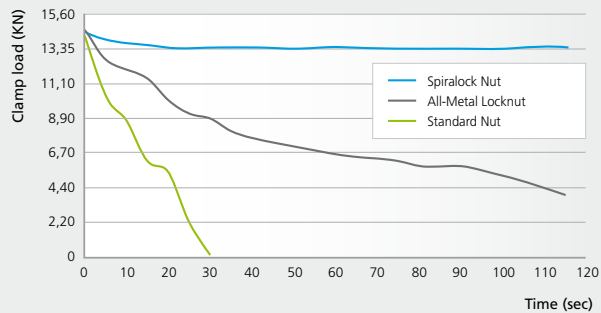


## Spirallock<sup>®</sup> threaded fastening advantages

- Prevents vibration loosening
- Simplifies and reduces assembly time
- Reduces overall cost of threaded joints (eliminate the need for other locking devices)
- Reusable
- Improves joint fatigue life
- Prevents machine down-times and warranty claims
- Free spinning

### Junker Vibration Test (DIN 65151)



Test Parameters: M6 nuts @ 20 Hz with 0.6 mm amplitude of transverse movement

## Industries utilizing Spirallock<sup>®</sup> threaded fastening system

- Aerospace
- Automotive
- Heavy Vehicles
- Construction and Farm
- Combustion Engine
- Oil and Gas
- Medical
- and many more

Spirallock<sup>®</sup> looks forward to being your partner in optimization of your critical threaded joints.

Please contact us.

[www.stanleyengineeredfastening.com/spirallock-en](http://www.stanleyengineeredfastening.com/spirallock-en)



**STANLEY**  
Engineered Fastening

STANLEY Engineered Fastening  
Spirallock<sup>®</sup>

Tucker GmbH  
PO Box 11 13 29  
D-35387 Giessen  
Max-Eyth-Strasse 1  
D-35394 Giessen  
Tel. + 49 641 405-900  
Fax + 49 641 405-907  
Email [sinfo-europe@sbdinc.com](mailto:sinfo-europe@sbdinc.com)

# Threaded Fastening System



**Spirallock®** – Threaded Fastening System

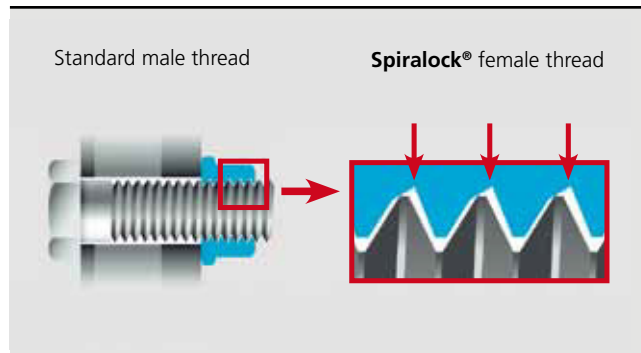
**Spirallock® Technology**

Spirallock® technology is a unidirectional internal thread form with a 30° wedge ramp at the root of the thread that locks the bolt securely in the threaded joint.

By drawing the crest of the standard 60° male thread against the Spirallock® female wedge, the fastener locks throughout the entire length of thread engagement, creating a reliable joint.

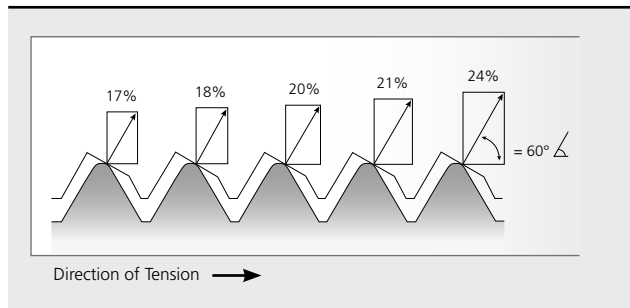
**Conclusion: No loss of tension!**

**Spirallock® Wedge Ramp**

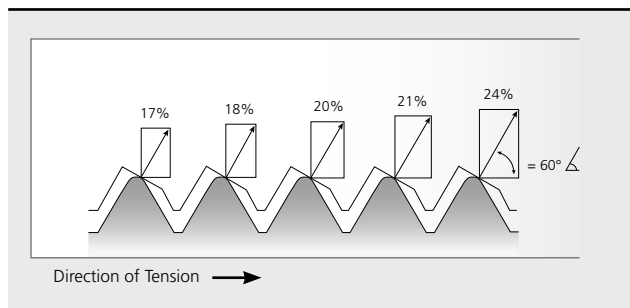


The uniform thread loading reduces the load concentration at the first engaged thread, thereby decreasing joint failures due to shearing and improving product performance. Additionally, the Spirallock® thread form distributes the joint load in a radial direction, which prevents the threads from slipping even in extremely high vibration environments.

**Spirallock® - Thread**

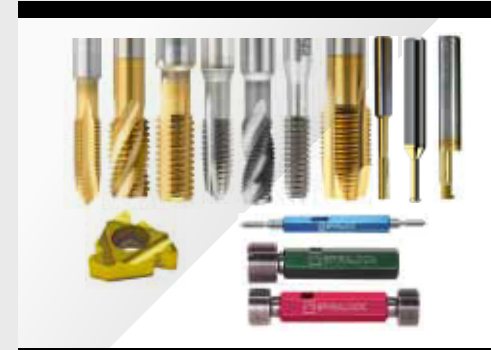


**Standard 60° - Thread**



**Fasteners**

- Nuts
- Self-Clinching Nuts
- Threaded Inserts
- Made-to-order Fasteners



**Tooling Products and Gages**

- Cutting taps
- Cold forming tools
- Thread Milling Cutters
- Threading Inserts
- Thread Gages