



Agriculture

Fastening Solutions for the Farming Industry



First Choice Application Support Specialists





Tractors, Trailers & Farming Machinery.

Our technical expertise and product range will meet your needs.

**Heavy-duty equipment needs.
Heavy-duty assembly solutions.**

We offer both in-house and branded solutions including: breakstem rivets & structural rivets, rivet tools, rivet nuts and threaded fasteners.



We have substantial experience serving customers within the agricultural industry. We offer both in-house and branded solutions including: breakstem rivets & structural rivets, rivet tools, rivet nuts and threaded fasteners. From tractors and trailers to general farming machinery, our technical expertise and product range will meet your needs.

Our premium brand partners **STANLEY® Engineered Fastening** provide solutions to the agriculture and heavy equipment industries, with fasteners and assembly systems designed around the specific demands of large, high-output machinery because heavy-duty equipment needs heavy-duty assembly solutions!



Spirallock®

For more than three decades, industry has turned to Spirallock when it needs to keep critical and demanding threaded joints from coming apart. Spirallock's unique self-locking thread technology adds a locking feature to tapped holes that prevent vibration loosening while still allowing standard external threaded parts to spin freely during assembly.

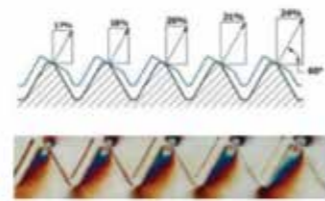
Spirallock offers a full line of products to serve a wide range of agricultural engineering-needs, inc. fasteners, wire thread inserts, cutting tools, and thread gauges.

The outcome is a simple yet effective way to transform a traditional threaded joint into a safer and more reliable design element.

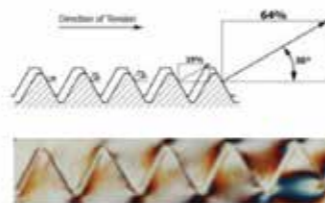
This achievement is the result of a carefully engineered wedge ramp at the root of the internal thread that only engages when the joint starts to build clamp load during tightening. At that point, the crest of the standard external threads draws tightly against the wedge ramp, eliminating all radial clearance and creating a continuous spiral line of contact between the internal and external threads.

Why change to Spirallock threads?

- Exceptionally resistant to vibration loosening
- Eliminates need for other locking devices
- Accepts standard male fasteners
- Improves joint fatigue life
- Consistent reusability
- Eases assembly, reducing assembly time
- Reduces life cycle cost of threaded joints



Spirallock Thread



Standard 60° Thread



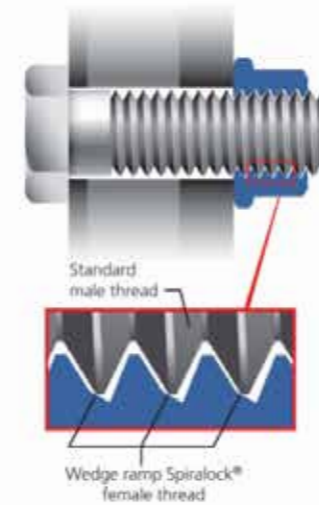
Where should Spirallock be used?

Any hard joint

Thin gasket application

Spirallock®

The Edge is the Wedge™

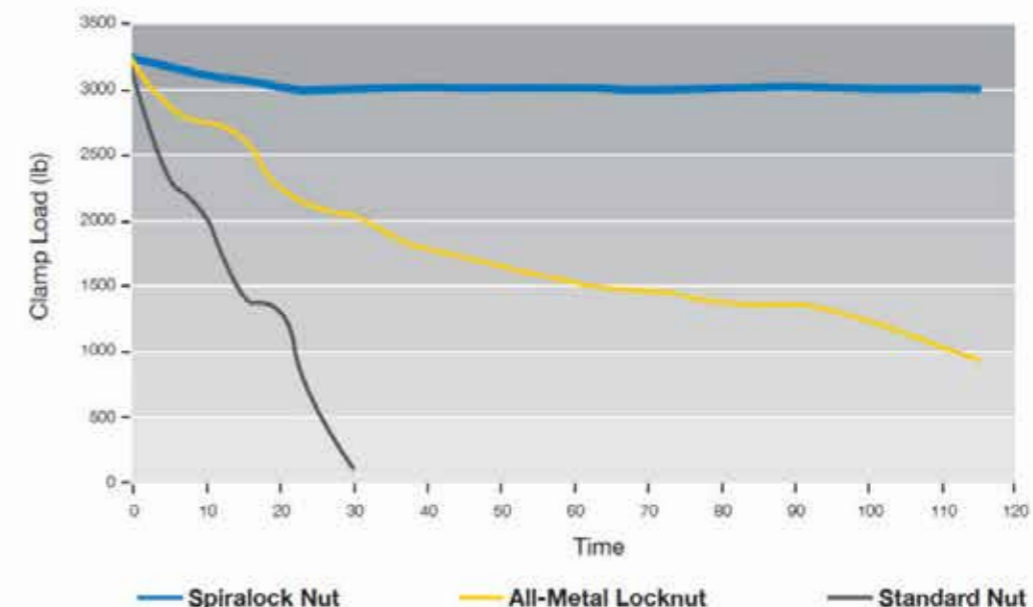


Spirallock® is one of three Optia® anti-vibration technologies. By adding a 30° wedge ramp at the root of the internal thread, Spirallock® has engineered a simple yet effective way to transform a traditional threaded joint into a safer and more reliable element. This remarkable design provides exceptional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

Vibration Loosening Resistance

Extensive testing on Junker's transverse vibration equipment has proven that the Spirallock® internal-locking thread form outperforms other thread-locking devices. In fact unlike other locking devices, which lose preload within the first minute of testing Spirallock® joints remain tight until the bolts fail due to fatigue.

Goddard Space Flight Center also determined that the Spirallock® thread form was the only product able to withstand the vibrations imposed by the Space Shuttle's solid rocket boosters. Even tests that exceeded specifications for the Space Shuttle by a factor of 10x did not cause Spirallock® fasteners to loosen.



Test Parameters: ¼"-28 nut run @ 20 Hz with ±0.033" amplitude of transverse movement.



AVDEL.



Neobolt®

Vibration resistant; Shock-free installation; High shear and tensile strength; High clamp force; Fast assembly; Sizes: 3/16" (4.8mm) 1" (25.4mm)



Avdelok®

High-strength, high-speed assembly; High shear and tensile strength; Excellent vibration resistance; Consistent, high performance; TIR approved – easy to inspect for tampering; Robust and rugged installation tools; Fasten metal to metal.



Maxlok®

Multi-grip lockbolt for variable grip applications; High shear and tensile strength; Fast assembly; Excellent vibration resistance; Robust and rugged installation tools; Reduced fastener inventory and simpler stock control Sizes: 3/16" (4.8mm) – 1/4" (6.4mm)



Avbolt®

Use on blind-sided application; High tensile and shear strength; Speed of installation; Vibration resistance; High grip capability; Tamper resistant; Ideal for areas with restricted access.



Monobolt®

Vibration resistant; Multi-grip; High shear and tensile strength; Good sheet take-up; Visible mechanical lock for easy inspection; Sizes: 3/16" (4.8mm) 3/8" (10mm)



Avseal®

Avseal® blind sealing plugs are unique in the efficient sealing performance provided in both low- and high-pressure hole-sealing applications.



Solutions with extra tensile and shear strength



Related Products



Rivets

We offer a comprehensive range of POP® and Rivetwise branded rivets with a variety of head styles and in many materials.



Rivet Nuts

We supply a vast range of rivet nuts including open and closed end, flat, CSK and reduced head.



Helicoil®

Helicoil inserts provide you with a proven track record of superior performance, reliability and integrity. We also have related thread repair kits and master sets available.

Rivetwise

POP



Blind Rivets



Rivet Nuts



Helicoil®



High Performance Systems



Innovative Installation Equipment

Transforming fastening and assembly technologies

AVDEL®

STANLEY
Assembly Technologies



ProSet® *PB2500 SMART

Battery Tool for all rivets upto 4.8mm and Avseal upto 5.0mm. Enhances operator mobility, enabling them to move easily around applications without the constraints and hazards of a compressed air line. Maximizes output and reduces operator fatigue thanks to its balanced, ergonomic design.



NB08PT-18 Rivet Nut Tool

Installs 900 (M6 steel) blind rivet nuts with a single charge. The STANLEY Assembly Technologies® NB08PT-18 Battery Powered Blind Rivet Nut Tool Features integrated multi control capabilities, this easy-to-use tool ensures optimum productivity, reduced rework, and increased quality performance for durable and permanent blind rivet nut assemblies.



ProSet® PB3400

Sets Structural Blind rivets 4.8mm – 6.4 mm. The ProSet® PB3400 is a battery-powered tool for structural blind rivets. Powerful tool with excellent ergonomics, great strength and great added features. Ensures high productivity and improves your return on investment with very low installation cost.



NeoBolt® Lockbolt Tool

Places 2400 Aluminium 1/4" NeoBolt. This powerful, lightweight, cordless NeoBolt® lockbolt tool maximizes placing capability, ensures optimum productivity, and reduces installation cost.



ProSet® XT3

Will set 4.0mm (5/32") to 6.4mm (1/4") diameter rivets in all materials. The ProSet XT3 can be used in a variety of applications, setting a large range of breakstem rivets, lockbolts and sealing plug sizes. The extremely large stroke of 26 mm allows the placement of longer rivets like Monobolt and Interlock in one set.



Avdel® 73200

For Avdel® lockbolts. The Avdel® 73200 delivers unmatched lastening efficiency and dependability. Featuring a patented hydraulic design and using the latest sealing and guiding technology, the Avdel® 73200 delivers unmatched fastening efficiency and dependability.



**STANLEY® Engineered Fastening
UK & Ireland Premium Partners**

Rivetwise can offer products and expertise across all seven brands from Stanley Engineered Fastening including Avdel, POP, Integra, Nelson, Optia, Stanley Assembly Technologies & Tucker.

For further information on the partnership or the Stanley Engineered Fastening product range, please contact our team at sales@rivetwise.co.uk

STANLEY.
Engineered Fastening



We pride ourselves on our attention to detail and consistently go the extra mile offering high levels of service.

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Consistently going the extra mile to deliver a world class service.