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- No more unreliable mechanical crimping
- Use any type screw with multiple tips

EVR-TITE

Fastening solutions, we make it easy.... Production Spring LLC

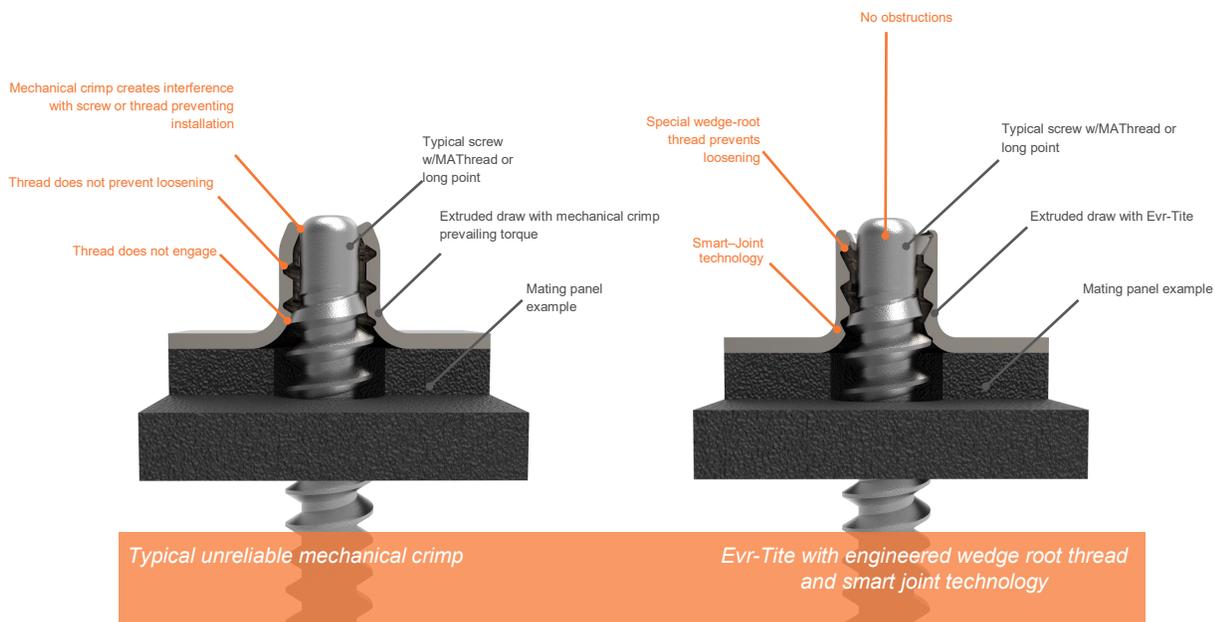
Production Spring has developed a new JOINT LOCKING SYSTEM that maintains retention and clamp load of threaded fasteners significantly longer and better than other widely used methods, helping to prevent threaded fasteners from loosening.

We recognize some fastening joints (plastics, fiberboard, thermal) may condense during the tightening process. Similar marketplace related wedge ramp solutions fail in lower rate applications.

However, **EVR-TITE**, with combined lock-joint & wedge-root technologies, differs from other tightening methods by providing a continuously axial compressive load during the tightening process. Using **EVR-TITE** technology, the crest of the standard exterior threads draws tightly against the wedge ramp thereby eliminating all radial clearance and creating a continuous spiral line of contact between the internal and external crest. **EVR-TITE** is able to maintain 80% of its original clamp load.

“Finally... After 50 years, a fastening solution that doesn't loosen. And, I can use it with any type of screw without fear of cross threading or downtime.”

-GM Fastening Engineering



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Q: Does prevailing torque keep fasteners from loosening?

A: No. Prevailing torque is greatly misunderstood. This mechanism does not prevent clamp load from loosening. Simply, prevailing torque prevents a nut from loosening and falling off when in a free state and zero clamping.

Q: Does EVR-TITE work with low rate joints?

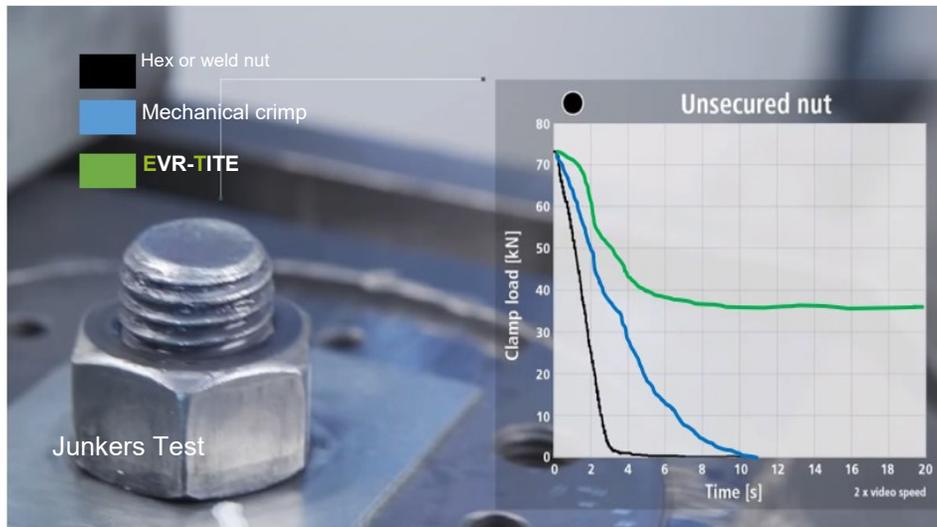
A: Yes, Production Spring has joined two technologies into one to help prevent loosening. This is accomplished by utilizing a special wedge-ramp helical system and continuous compression system that apply a constant load to help prevent loosening.

Q: What additional added value does EVR-TITE have?

A: Unlike other unreliable mechanical crimp prevailing torque methods, EVR-TITE can be used with any alignment or anti-cross threading tip features without causing cross threading. This is very useful in standardizing types, lengths and lowering inventory cost. In addition, with its built-in anti joint loosening features, this help reduces a buzz, squeaks and rattles or premature separation.

Q: Is EVR-TITE reusable?

A: Yes, Unlike mechanical crimp prevailing torque methods that diminishes exponentially after its first use, EVR-TITE can be reused 3X+ more times.



Force-Displacement Curve

