

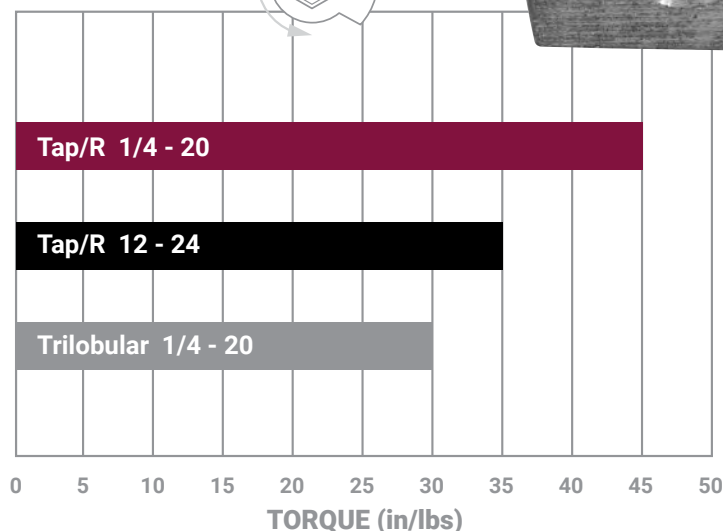
Tap/R

The first thread-rolling screw to provide **360° thread engagement**

- Reduces driving torque
- Increases stripping torque
- Retains more applied torque and clamp load
- Perfect for automated assembly



REMOVAL TORQUE

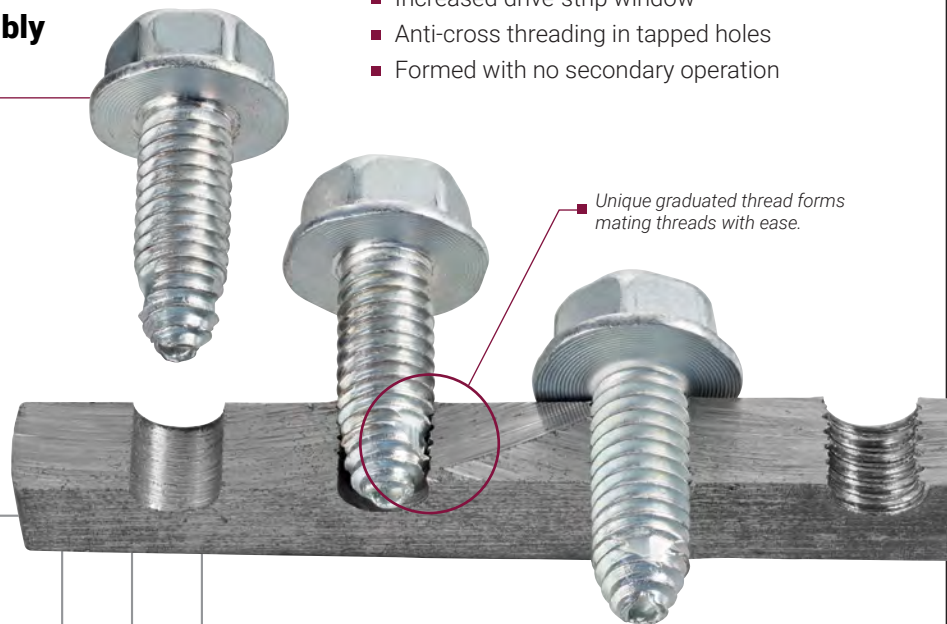


The Tap/R Benefit

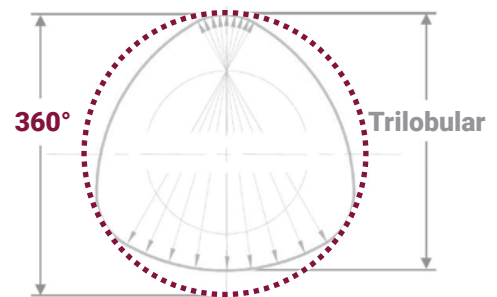
The unique thread configuration of the Tap/R begins as a tapered, intermittent thread and increases to a full 360° thread form. The mating thread is formed gradually with minimal driving force.

ADVANTAGES

- Reusable without cross-threading
- Self-aligning in pilot hole
- Removes paint and porcelain from fastener hole
- Increased drive-strip window
- Anti-cross threading in tapped holes
- Formed with no secondary operation



360° VS. TRILOBULAR



TW Shakeproof Industrial

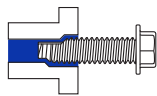
www.shakeproof.com

Tap/R

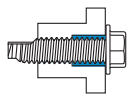
Thread-rolling screw

INCREASED SAFE OPERATING RANGE

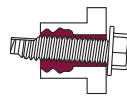
Trilobular screws typically require 40% more driving torque than Tap/R screws. Tap/R screws typically absorb 15% more torque without stripping. Tap/R screws have an average safe operating range over 25% greater than Trilobular screws.



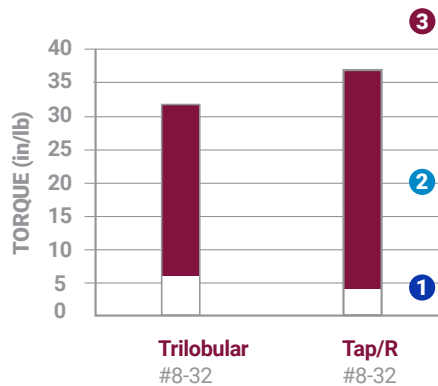
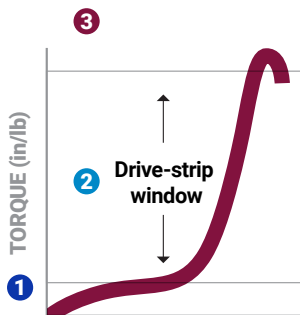
1 Thread-forming begins



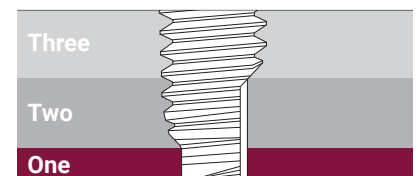
2 Screw head in contact with metal; clamp load generated



3 Strip-out torque level met or exceeded: damage occurs



GRADUATED THREAD FORM



Zone One

- Relief areas on two sides of shank
- Provides positive lead into pilot hole
- Intermittent threading engages work piece

Zone Two

- Partial threads on one side
- Incomplete crests gradually shape mating thread
- Requires minimal driving torque

Zone Three

- Full thread form on a full 360° shank
- Total engagement in the work piece
- Retains a greater percentage of the tightening torque

FEATURES

Head styles

Tap/R screws are available in all conventional head styles and meet ANSI/ASME standards.

Point styles

Tap/R screws are available with either a semi-gimlet or blunt point.

Put Tap/R to the test in your application.

Contact us for additional information and free samples.



TW Shakeproof Industrial

www.shakeproof.com