

## **New PEM® S-RT™ Self-Clinching Free-Running Locknuts with Modified Threads Enable Easier Tightening of Mating Screws and Vibration-Resistant Locking Performance**

New PEM® S-RT™ self-clinching free-running locknuts from PennEngineering® feature a modified thread angle enabling easier tightening of mating screws and superior vibration-resistant locking performance in thin metal assemblies. The modified thread formation allows mating screws to spin freely during the attachment process until clamp load is induced during the screw-tightening process. The applied clamp load then engages the locknut's vibration-resistant locking feature, which securely and reliably locks the screw in place. Compared with traditional locknuts, excellent joint clamp load remains consistent, even after many on/off cycles.

PEM S-RT self-clinching locknuts install into aluminum or steel sheets as thin as .030"/0.8mm and become permanent parts of an assembly. Upon their installation using a PEMSERTER® or other standard press, the back side of the host metal sheet for screw insertion will be flush or sub-flush and the assembly side will be flush or sub-flush ideally suiting sheet-to-sheet attachment applications.

These carbon steel locknuts can be specified with thread sizes from #4-40 through 5/16-18 and M3 through M6 and in a variety of shank lengths. Zinc plating finishes are available in standard colorless or optional yellow.

Detailed technical literature (PEM® Bulletin RT), individual fastener drawings, and CAD models for these RoHS-compliant fasteners can be downloaded at [www.pemnet.com](http://www.pemnet.com).

Founded in 1942 and celebrating 75 years, PennEngineering (Danboro, PA, USA) is a global leader in the fastening industry with technical and manufacturing facilities in North America, Europe, and Asia supported by a global engineering-focused sales force and a worldwide network of authorized distributors.

For more information, visit [www.pemnet.com](http://www.pemnet.com), email [info@pemnet.com](mailto:info@pemnet.com), or contact Michael J. Rossi, PennEngineering®, 5190 Old Easton Road, Danboro, PA 18916-1000 USA. Call 800.237.4736 (toll-free in the U.S.) and 215.766.8853.

