PEM® BUSBAR FASTENERS FOR AUTOMOTIVE ELECTRONICS

World-class automotive electrical systems require reliable and secure performance from their internal components. PEM® busbar fastening solutions are designed, developed and proven to perform across many busbar-to-busbar applications.

Safety Critical Performance. Certified Clean. Application Tested.

Reliable Clamp Load and No Galvanic Corrosion

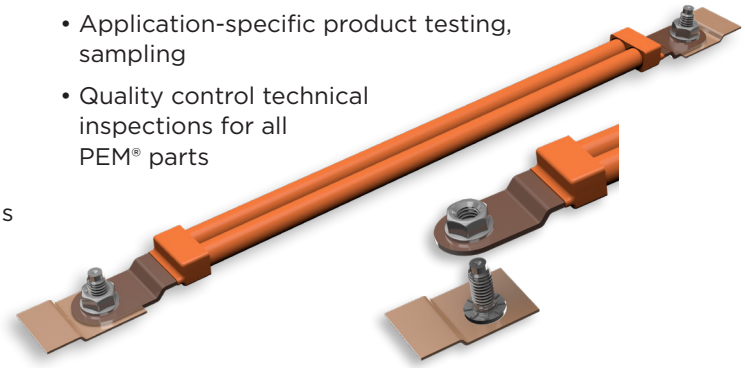
- Reliable clamp load to all joints throughout busbar and busbar-to-busbar connections
- Plastic integrity is uncompromised by the applied load
- Variety of material/plating combinations available

Technical Cleanliness with PEM® Clean Lab

- Per customer specifications, ISO 16232, VDA 19 standards
- Processing: extraction, filtration, drying/weighing
- Clean Analysis: fully automatic, high sampling rate, precise particle detection

Application Engineering and Certified Testing

- Custom design and product development
- Application-specific product testing, sampling
- Quality control technical inspections for all PEM® parts



PEM® Busbar Fasteners

THFE™ Heavy Duty Studs

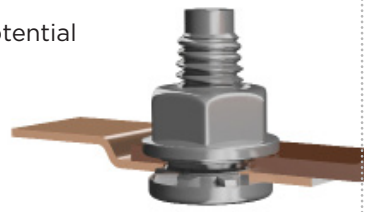
For installation into busbars as thin as .031”/0.8 mm

- Clinch design for high-strength, permanent installation
  - Ideal for installation into copper, aluminum, steel
- Enlarged head diameter/thickness provides enhanced contact area

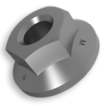
Download Data Sheet

The use of PEM® THFE™ Heavy Duty Studs and Captivated Spinning Nuts in this busbar application provides many benefits:

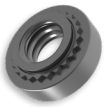
- Reduced electric arcing potential
- Reduced fire potential
- Minimal gap
- Better contact area
- Higher current flow



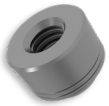
B™ Self-Clinching Blind Nuts
Download Product Bulletin



Captivated Spinning Nuts
Download Product Bulletin



S™ Self-Clinching Nuts
Download Product Bulletin



Reelfast® SMTSO™ Standoffs
Download Product Bulletin

SI® Molded-In Inserts for Plastics
Learn More

PEM® Grooved Self-Clinching Pin for RADSOK® Connectors

SI® Threaded Inserts — Proven Performance in Plastics for Auto Electronics

Installation Methods

SI® inserts are manufactured for all common installation methods:

Ultrasonic
Great for: Thermoplastics
High overall performance
VIDEO: Ultrasonic Animation

Heat Staking
Great for: Thermoplastics
High overall performance with low installation cost
VIDEO: Heat Staking Animation

Mold-In
Great for: Thermosets & Thermoplastics
Best pull-out and torque performance
VIDEO: Molded-In Animation

Press-In
Great for: Thermosets
Easy, simple press installation at lowest cost
VIDEO: Press-In Animation

Materials and Finishes

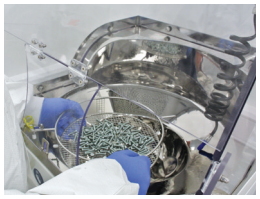
Brass
- Industry standard
- Lowest cost

Stainless Steel & Aluminum
- SI® is the industry leader for stainless steel and aluminum inserts
- Only insert manufacturer to offer aluminum as a catalog standard (lead-free and 70% lighter than brass)
- Stainless Steel offers better protection from certain types of corrosive agents
- Smart alternatives to leaded brass that support sustainable manufacturing

Get PEM® and SI® Support Anytime, Anywhere

No matter where you are in the world, our value-add services are there. With locations throughout North America, Asia and Europe you'll get complete global support at the local level.

Application Engineering Services
- Application Review
- Custom Design/Product Development
- 3D Models
- Teardown Services



Technical Lab Services
- Product Testing worldwide
- State-of-the-art Clean Lab capabilities

SI® Prototype Kit
- 1,000+ ultrasonic, mold-in, press-in inserts
- Various types/sizes for your specific design requirements

GLOBAL CONTACT INFORMATION

NORTH AMERICA
Danboro, Pennsylvania USA
info@pemnet.com
+1-215-766-8853
800-237-4736 (USA)

EUROPE
Galway, Ireland
europe@pemnet.com
+353-91-751714

ASIA/PACIFIC
Singapore
singapore@pemnet.com
+65-6-745-0660

SHANGHAI, CHINA
china@pemnet.com
+86-21-5868-3688