

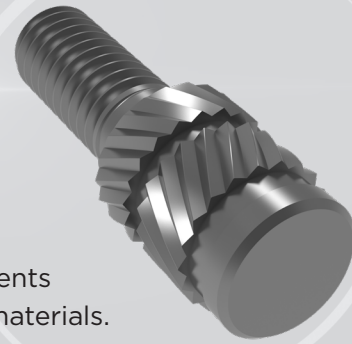


**NOW AVAILABLE FOR ORDER!**

## SI<sup>®</sup> Externally Threaded Studs

Available in aluminum, brass, and various steel grades

SI<sup>®</sup> externally threaded studs are precision-machined metal components designed to provide strong, reusable, permanent threads in plastic materials.



### Ultrasonic and Heat-Staking Capabilities

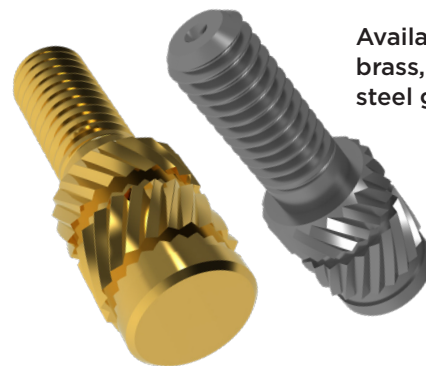
- **Ultrasonic capability** installs by pressing the insert into the mounting hole with ultrasonic insertion equipment while simultaneously applying a high-frequency vibration. Frictional heat caused by the vibration melts the plastic surrounding the insert and allows for easy insertion. When the vibration stops, the plastic solidifies and locks the insert permanently into place.
- **Heat-staking capability** installs by pressing the insert into the mounting hole with a thermal press which melts the plastic surrounding the insert.
- **Molded in Capability**

### Key Features

- Knurl pattern provides high torque out resistance
- Self-aligning lead-in of insert provides accurate alignment prior to installation
- Available in lengths from 1/4" to 1" / 6.35 to 25.4mm in thread sizes #2-56 to 1/4 -20 / M2 to M6
- Customized sizes available

### SI<sup>®</sup> Inserts: A Versatile Solution for Many Industries

- Electronics
- Automotive
- Aerospace & Defense
- Medical
- Transportation
- Industrial
- Recreational Equipment



Available in aluminum, brass, and various steel grades

For a quote, email us at [si@pemnet.com](mailto:si@pemnet.com)

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