

SI® Threaded Metal Inserts for Permanent Installation in Plastic Materials Enable Quick Access to Assemblies Whenever Required

SI® threaded inserts from PennEngineering® provide durable and reusable metal threads in plastic materials to accept mating hardware and subsequently allow for access to an assembly whenever required. Unlike fixed and unyielding joining methods, such as adhesives or rivets, the inserts ultimately offer the capability to disassemble and re-attach plastic components easily and quickly without damaging the threads, compromising attachment integrity, or otherwise adversely impacting an assembly. Brass, stainless steel, and aluminum types are available as standard.

Applications for SI threaded inserts include consumer electronics (wearables, smart phones, and handheld devices) and plastic equipment or components for the medical, automotive, aerospace, transportation, and recreational industries, among many others.

The product line includes ultrasonic / heat staking inserts for installation ultrasonically or with a thermal press; molded-in types installed during the molding process; and press-in types installed by pressing the insert into a pre-molded or drilled hole. All install permanently in the plastic material.

SI threaded inserts have been engineered in a variety of designs and lengths – including micro fastener versions with threads as small as M1 – and can be supplied in unified or metric thread sizes.

Detailed specifications, fastener drawings and models, and performance data (Bulletin SI) for these fasteners can be accessed at www.pemnet.com.

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