

New PEM® Flush-Head Studs with X-Press™ Threads Uniquely Designed for Quick Mating with Plastic Fasteners

New PEM® self-clinching flush-head studs integrating unique X-Press™ threads enable quick mating with push-on plastic nuts, wire tie products, or other plastic fasteners in thin metal assemblies. Their coarse thread design – larger threads relative to the stud's diameter – reduces assembly time by allowing for easy mating of plastic parts and promotes especially high retention force of the stud upon installation. The thread design additionally accommodates paints and coatings without compromising fastener performance in service.

These PEM X-Press studs (Type FHX™) introduced by PennEngineering® install permanently in metal sheets as thin as 1mm. They press easily into place using any standard press or can be installed automatically during the stamping process using an automated PEMserter® press equipped with in-die technology. Upon installation, the head of the stud mounts flush in the metal sheet for a clean and more attractive finished appearance compared with alternative methods such as welding.

The studs are manufactured from hardened carbon steel and finished with zinc plus clear chromate as standard or a rust-preventive oil finish as an option. They are available with 5mm and 6mm metric threads and in lengths from 10mm to 25mm. The studs perform reliably in metal sheets with hardness of HRB 80 or less on the Rockwell “B” scale and HB 150 or less on the Brinell scale.

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

Contact Michael J. Rossi, PennEngineering®, 5190 Old Easton Road, Danboro, PA 18916-1000 USA. Phones: 800-237-4736 (toll-free in the U.S.) or 215-766-8853; Fax: 215-766-0143. *Email:* info@pemnet.com. *Website:* www.pemnet.com.

