

PennEngineering®

# PEM<sup>®</sup>LINE

*Fastening Products, Systems, and Applications from the Industry Pioneer*



## NEW PEM<sup>®</sup> FASTENER CATALOG INDEX

*Products Listed  
Alphabetically and by Type*

*Bulletins Easily Identified*

*Color-Coding Denotes  
Method of Mounting*

*Easy-to-Use Triple-Page  
Fold-Out Design  
Can Be Used as Chart*

*Download "Bulletin Index" from our  
"Product Literature" link:*

[http://www.pemnet.com/comp\\_lit\\_files](http://www.pemnet.com/comp_lit_files)

**See Page 2 for a Look  
"Inside" Our New Index...**

**NEW PEM<sup>®</sup> FLOATING  
SELF-CLINCHING FASTENERS  
FOR STAINLESS STEEL**

*See Page 3*



*Type A4*



*Type LA4*

**www.pemnet.com**


# FASTENING RESOURCES

## REFERENCE MADE EASY... FOLD-OUT VIEW OF QUICK PRODUCT LOCATOR



### 5 POINTS OF INFORMATION

**A4** **Bulletin A4**



These nuts are for installation into stainless steel sheets. Non-locking threads permit up to .030"/0.76mm adjustment for mating hole misalignment.

① Listed alphabetically by type

② Product visual identifier

③ Description

④ Designates product bulletin in catalog

⑤ Color code denotes method of mounting

### TELL US YOUR APPLICATION STORY

We want to hear how PEM® fasteners have contributed to your design and assembly objectives.

**E-mail Leon M. Attarian**  
**lattarian@pemnet.com**

# NEW PEM® FASTENERS



## ***PEM® floating self-clinching fasteners for stainless compensate for mating hole misalignment***

Our new family of floating self-clinching fasteners for permanent installation into thin stainless sheets can be specified either with non-locking or locking threads. They will permit up to .030"/0.76mm total adjustment for mating hole misalignment.

Non-locking Type A4 and self-locking Type LA4 fasteners provide load-bearing threads in stainless sheets as thin as .038"/0.97mm and greater with hardness of HRB 88 on the Rockwell "B" scale. Available thread sizes range from #4-40 through #10-32 and M3 through M5.

Installation is quick and simple. The fasteners are squeezed into properly sized holes using a PEMSERTER® press or other standard equipment. All clinching occurs on the fastener side of the sheet, which allows the sheet to remain flush on one side. The fastener is permanently locked in place, exhibits high torque-out and pushout resistance, and becomes an integral part of the stainless assembly. Mating hardware completes component attachment.

Detailed specifications (Bulletin A4) and 3-D models and drawings (PEM CAD Library) for these RoHS-compliant fasteners can be downloaded at our Web site:

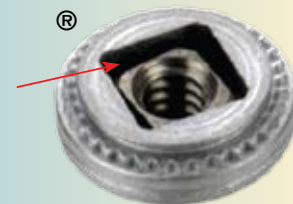
**[www.pemnet.com](http://www.pemnet.com)**



### **Double squares are a registered trademark**

Always look for the square insert in a square retainer to be sure you are getting PEM brand fasteners and the best in self-clinching performance.

Bottom view (same for both type fasteners).







## COMPREHENSIVE CATALOG FOR ATLAS® BLIND THREADED FASTENERS

This 36-page fully illustrated catalog profiles the complete line of ATLAS® blind threaded inserts, studs, and installation tools.

These fasteners provide strong threads in thin panel sections where only one side is accessible to install hardware.

The catalog presents detailed specifications for all ATLAS **SpinTite®** blind threaded inserts and studs, **Plus+Tite®** blind threaded inserts, and **MaxTite®** blind threaded inserts.

Among designer tools, the catalog uniquely offers a thread code chart for industry comparisons; part number keys; and conversion charts.

Additional resources cover compatible installation tools; standard installation procedure; robotic system capabilities; and fastener performance data.

*Download from our  
"Product Literature" link:*

[http://www.pemnet.com/comp\\_lit\\_files](http://www.pemnet.com/comp_lit_files)

## SI® THREADED METAL INSERTS FOR PLASTICS

These provide strong, reusable threads and allow for subsequent access to plastic assemblies.

The brass, stainless steel, or aluminum threaded inserts serve as practical alternatives to permanent joining methods, such as adhesives or rivets. Components can be removed and re-attached quickly and easily using mating hardware.



The product line includes **ultrasonic/heat staking** threaded inserts installed ultrasonically or with a thermal press; **molded-in** threaded inserts installed during the molding process; and **press-in** threaded inserts installed into pre-molded holes.

*Download "Bulletin SI" from our  
"Product Literature" link:*

[http://www.pemnet.com/comp\\_lit\\_files](http://www.pemnet.com/comp_lit_files)



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