

PennEngineering®



## CATALOG GUIDE



*STICKSCREW*®

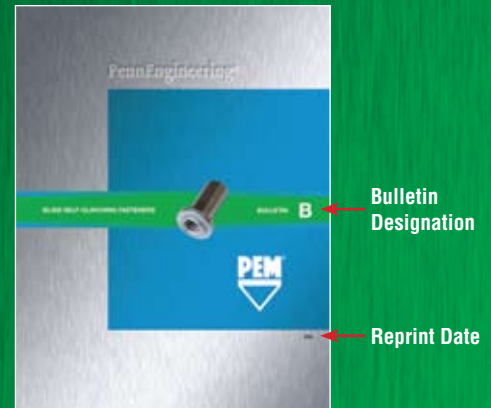


# CATALOG AND PRODUCTS

## HOW TO USE THE CATALOG

The PennEngineering catalog has tabbed sections for each product line. The bulletin designation can be found at the center right of the page. The reprint date is located at the bottom right.

Catalog specifications subject to change without notice. Check our website for the most current literature available. If a newer version of a printed bulletin is available, the revision date is printed under the reprint date on the front cover.



### PEM® FASTENERS

PEM® brand fasteners utilize self-clinching, broaching, flaring, surface mount, or weld technology to provide strong, reusable, and permanent threads and mounting points in thin sheetmetal, P.C. board materials, and other ductile or non-ductile thin material.



### SI® INSERTS FOR PLASTICS

SI® brand inserts employ press-in, molded-in, or heat/ultrasonic installation methods to provide strong, reusable, permanent threads in plastic materials.



### ATLAS® BLIND THREADED INSERTS

ATLAS® brand blind threaded rivets provide strong and reusable permanent threads in sheet materials where only one side is accessible for hardware installation.



### STICKSCREW® SYSTEM

The STICKSCREW® system is a unique small screw installation system which eliminates expensive screw handling equipment and loose hardware. The screws are tightened to an exact torque as determined by the stick/screw design.



### INSTALLATION EQUIPMENT

PEMSERTER® presses are designed to safely, reliably, accurately, and quickly install PEM fasteners. No matter how complex or simple an installation challenge may be, using the PEM fastener and PEMSERTER press system will provide you with quality results.



### NEW PRODUCTS

Our new products and capabilities are located in the back of the catalog. Be sure to check our web site for the most up-to-date listing of our new products.

## COMPANY

Penn Engineering & Manufacturing Corp., founded in 1942 in Doylestown, Pennsylvania, is the parent of PennEngineering. PennEngineering provides fastener, fastener installation, and product solutions worldwide for diverse industries. The Company manufactures at the corporate headquarters in Danboro, Pennsylvania as well as in several other locations worldwide.

Other global manufacturing locations include:

- Winston-Salem, North Carolina
- Galway, Ireland
- Kunshan, China



## GLOBAL CAPABILITIES

### Application Engineering Services

From our factories or in the field we can provide you with application analysis/review, 3D modeling, product samples, on-site training and total engineering support.

### Comprehensive website

Our PEMNET.com fastening resource center provides the tools to help you determine which type fastener or installation equipment is right for you. It includes a complete CAD library, fastener selector tool, conversion tables, tutorials/animations, literature, tech help, and environmental compliance references.

### Custom Designs

Our engineers can assist you in finding the most efficient solution to your application, and design the right fastener to meet your needs.

### Installation Equipment

We can assess your application and recommend equipment that helps you achieve your lowest installed cost. Systems can be

developed to handle multiple fastener types simultaneously to address challenging component handling and fastener installation.

### Prototype Development

We're equipped with the latest equipment to provide prototype samples and short run production quantities for your testing and analysis.

### Technical Lab

We have comprehensive testing facilities in each of our manufacturing locations. Tests include mechanical testing, tensile strength, compression, in sheet performance, micro hardness (Knoop, Rockwell and superficial), thermal cycling, image analysis, and corrosion and plating issues and analysis.



## GLOBAL QUALITY SYSTEM

**At PennEngineering, our goal is 100% defect-free product. To this end, we have adopted a manufacturing strategy of defect prevention rather than defect detection. We use statistical tools throughout our manufacturing processes to monitor the performance and assure effective quality control of each process step. If a non-conforming situation arises, it is resolved immediately with the use of appropriate quality assurance tools.**

Our fastener quality management system is ISO9001 registered and Department of Defense QSLM approved, and we can support DFARS clause 252.225-7014 requirements. In addition, our Galway, Ireland, and Kunshan, China facilities are registered to Technical Specification ISO/TS 16949. This further underscores our commitment to excellence as we continue to provide quality products and services that meet or exceed our customers' expectations.

We are members of the Automotive Industry Action Group (AIAG) where we work together with other member companies to resolve issues critical to the automotive supply chain. PennEngineering is also a registered member of the International Material Data System (IMDS).

### RoHS Compliance

The majority of part numbers are compliant with the current revision of the European RoHS directive. We are committed to helping our customers select RoHS compliant products and offer this general statement regarding compliance of our fasteners to the RoHS directive. To check status of specific product types go to the Product Compliance Lookup on our website. If compliance certification on specific part numbers is needed, we can supply such certification if a list of our part numbers is supplied. Submit your request to [RoHS@pemnet.com](mailto:RoHS@pemnet.com).

## INDUSTRIES SERVED



- Appliances
- Automobiles and accessories
- Consumer electronics
- Food service equipment
- Furniture/fixtures/signs
- Industrial equipment
- Lawn and garden equipment



- Lighting
- Marine/boating
- Medical equipment
- Military equipment
- Recreational equipment
- Trucks and trailers



## GLOBAL CONTACT INFORMATION

### NORTH AMERICA

#### PennEngineering

Corporate Headquarters\*  
Danboro, PA

#### General:

Phone: 215-766-8853  
Toll Free: 1-800-237-4736  
Fax: 215-766-0143  
E-mail: [info@pemnet.com](mailto:info@pemnet.com)

#### Sales:

Toll Free: 1-800-DIAL-PEM (1-800-342-5736)  
Fax: 215-766-3633 • E-mail: [sales@pemnet.com](mailto:sales@pemnet.com)

#### Technical Support:

Phone: 1-866-236-4063 • E-mail: [techsupport@pemnet.com](mailto:techsupport@pemnet.com)

#### ATLAS® Blind Threaded Inserts

Phone: 215-766-5987  
Toll Free: 1-877-682-2505  
Fax: 215-766-5988 • E-mail: [atlas@pemnet.com](mailto:atlas@pemnet.com)

#### PEMSERTER® Equipment

Toll Free: 1-800-523-5321  
Fax: 215-766-3634 • E-mail: [pemserters@pemnet.com](mailto:pemserters@pemnet.com)

#### PennEngineering

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Phone: 336-777-1346  
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\*Manufacturing location.



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Danboro, PA

### EUROPE

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Galway, Ireland

### ASIA/PACIFIC

#### PEM China\*

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Kunshan, China

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PennEngineering®



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Visit our PEMNET™ Resource Center at [www.pemnet.com](http://www.pemnet.com)