



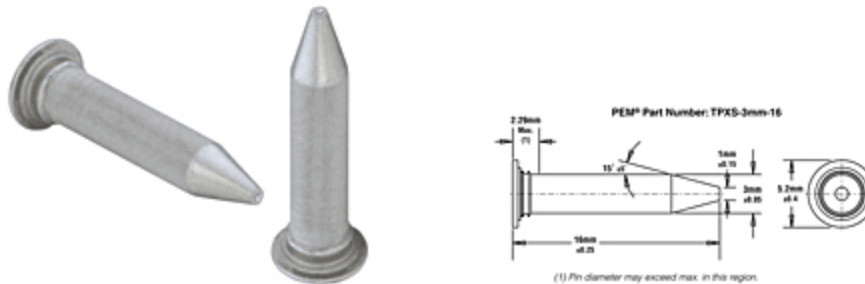
**PennEngineering**  
**Corporate Headquarters – Danboro, PA**  
 5190 Old Easton Rd.  
 Danboro, PA 18916  
**Phone:** 215-766-8853  
**Toll-Free Phone:** 1-800-237-4736 (U.S. only)  
**Email:** [info@pemnet.com](mailto:info@pemnet.com)  
**Website:** [www.pemnet.com](http://www.pemnet.com)

## Part # TPXS-3mm-16, Self-Clinching Pilot Pins - Type TPXS™ - Metric

**PEM® self-clinching studs** are installed by placing them in properly sized holes in the sheets and squeezing into place with any standard press. The squeezing action embeds the head of the stud into the sheet. The metal displaced by the head flows smoothly and evenly around the ribs and into the annular groove – creating a flushhead assembly and securely locking the stud into the sheet with high torque-out and pushout resistances.

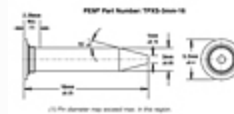
**TPXS (flush-head) Pilot Pins** satisfy a wide range of positioning,

[+ more](#)



### Specifications

<b>Pin Dia. Code</b>	3 mm
<b>Length Code</b>	16
<b>Min. Sheet Thickness</b>	1 mm
<b>Hole Size in Sheet + 0.08</b>	3.5 mm
<b>D ± 0.15</b>	1.00 mm
<b>H ± 0.4</b>	5.2 mm
<b>L - Length ± 0.25</b>	16 mm
<b>P - Pin Diameter ± 0.05</b>	3.00 mm
<b>S Max.<sup>1</sup></b>	2.29 mm
<b>Min. Dist. Hole C/L to Edge</b>	6.40 mm
<b>For Use in Sheet Hardness</b>	HRB 70 / HB 125 or Less
<b>Fastener Material</b>	300 Series Stainless Steel
<b>Standard Finish</b>	Passivated and/or tested per ASTM A380



<sup>1</sup> Pin diameter may exceed max. in this region.