



## 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)

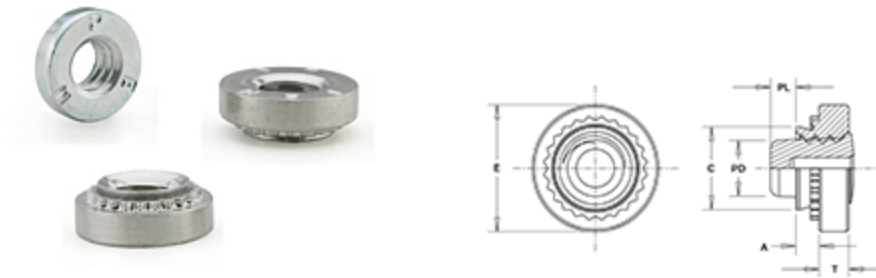
**Email:** [info@pemnet.com](mailto:info@pemnet.com)

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

## Part # SP-M5-2, Self-Clinching Nuts - Types S, SS, CLS, CLSS, SP - Metric

Type SP, PEM 300® nuts provide strong load-bearing threads in stainless steel sheets as thin as .030".

Type SP is recommended for use in stainless steel sheets HRB (Rockwell "B" scale) 90 or less and HB (Hardness Brinell) 185 or less.



### Specifications

<b>Thread Size x Pitch</b>	M5 x 0.8
<b>Thread Code</b>	M5
<b>Shank Code</b>	2
	1.38 mm
<b>A (Shank) Max.</b>	
<b>Rec. Min. Sheet Thickness<sup>1</sup></b>	1.4 mm
<b>Hole Size in Sheet + 0.08</b>	6.35 mm
<b>C Max.</b>	6.33 mm
<b>E ± 0.25</b>	8.64 mm
<b>T ± 0.25</b>	2 mm
<b>Min. Dist. Hole C/L to Edge<sup>2</sup></b>	7.1 mm
<b>For Use in Sheet Hardness<sup>3</sup></b>	HRB 90 / HB 185 or Less
<b>Thread Specification</b>	Internal, ASME B1.13M, 6H
<b>Fastener Material</b>	Age Hardened A286 Stainless Steel

<b>Standard Finish</b>	Passivated and/or tested	per ASTM A380
<b>CAD Supplier</b>	PennEngineering® (PEM®)	

<sup>1</sup> For maximum performance, we recommend that you use the maximum shank length for your sheet thickness.

<sup>2</sup> To minimize sheet distortion and maximize product performance, use a centerline-to-edge value greater or equal to the value specified.

<sup>3</sup> HRB - Hardness Rockwell “B” Scale. HB - Hardness Brinell.