

**North America:** Danboro, PA • E-mail: info@pemnet.com • Tel: +1-215-766-8853

**Europe:** Galway, Ireland • E-mail: europe@pemnet.com • Tel: +353-91-751714

**Asia/Pacific:** Singapore • E-mail: singapore@pemnet.com • Tel: +65-6-745-0660  
Shanghai, China • E-mail: china@pemnet.com • Tel: +86-21-5868-3688

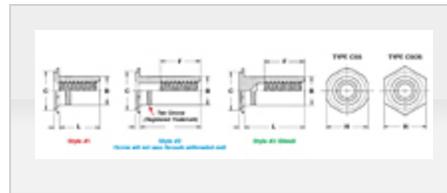
## Part # CSS-M3-12, Stainless Steel Standoffs - Types CSS, CSOS - Metric

These standoffs ensure permanent mounting in metal sheets as thin as 1.60mm.

The fastener head is locked securely in a blind, milled hole and is able to handle substantial loads. The concealed-head feature allows the side of the sheet opposite installation to remain smooth.

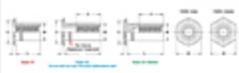
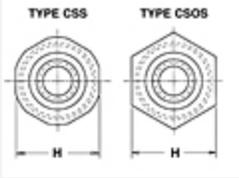
Sheet preparation only requires a milled blind hole to the recommended minimum depth. Center-cutting end mills for hole preparation are available from PennEngineering. Installation of the concealed-head studs and standoffs is

[+ more](#)



### Specifications

<b>Thread Size x Pitch</b>	M3 x 0.5
<b>Thread Code</b>	M3
<b>Length Code</b>	12
<b>Material Code</b>	S
<b>Style</b>	#3
<b>Shank</b>	Short
<b>Min. Sheet Thickness</b>	1.6 mm

<b>Blind Mounting Hole Diameter + 0.08</b>	5.41 mm
<b>Min. Depth of Blind Hole<sup>1</sup></b>	1.10 mm
<b>L - Length + 0.05 -0.13</b>	12 mm 
<b>A Max.</b>	1.04 mm
<b>B Max.<sup>2</sup></b>	4.20 mm
<b>C Max.</b>	5.39 mm
<b>H Nom.</b>	6.35 mm 
<b>Min. Dist. Hole C/L to Edge</b>	4.8 mm
<b>For Use in Sheet Hardness</b>	HRB 70 / HB 125 or Less
<b>Thread Specification</b>	Internal, ANSI / ASME B1.13M, 6H
<b>Fastener Material</b>	300 Series Stainless Steel
<b>Standard Finish</b>	Passivated and/or tested per ASTM A380
<b>Min. Depth Full Thread F</b>	5 mm
<b>CAD Supplier</b>	PennEngineering® (PEM®)

<sup>1</sup> Blind mounting holes may be deeper than minimums except where sheet material is at or near minimum thickness. Fasteners should always be installed so the flange is flush with the surface of the sheet.

<sup>2</sup> If standoff is used as a bushing, the hole in attached part must not exceed "B" plus .020" / 0.51 mm.