PennEngineering®

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

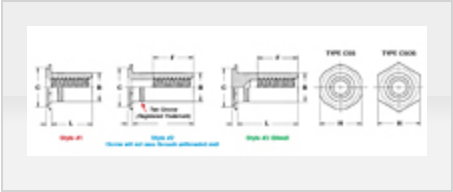
Part # CSS-M4-12, Stainless Steel Standoffs - Types CSS, CSOS - Metric

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.

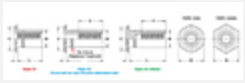
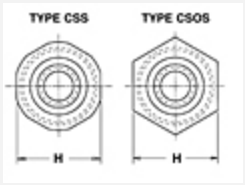
Sheet preparation only requires a milled blind hole to the recommended minimum depth. Center-cutting end mills for hole preparation are available from PennEngineering. Installation of the concealed-head studs and standoffs is

+ more



Specifications

Thread Size x Pitch	M4 x 0.7
Thread Code	M4
Length Code	12
Material Code	S
Style	#3
Shank	Short
Min. Sheet Thickness	1.6 mm

Blind Mounting Hole Diameter + 0.08	7.92 mm
Min. Depth of Blind Hole[1]	1.10 mm
L - Length + 0.05 –0.13	12 mm 
A Max.	1.04 mm
B Max.[2]	6.23 mm
C Max.	7.9 mm
H Nom.	8.74 mm 
Min. Dist. Hole C/L to Edge	6.40 mm
For Use in Sheet Hardness	HRB 70 / HB 125 or Less
Thread Specification	Internal, ANSI / ASME B1.13M, 6H
Fastener Material	300 Series Stainless Steel
Standard Finish	Passivated and/or tested per ASTM A380
Min. Depth Full Thread F	6.5 mm
CAD Supplier	PennEngineering® (PEM®)

[1] 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.

[2] If standoff is used as a bushing, the hole in attached part must not exceed “B” plus .020” / 0.51 mm.