



PennEngineering
Corporate Headquarters – Danboro, PA

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Danboro, PA 18916

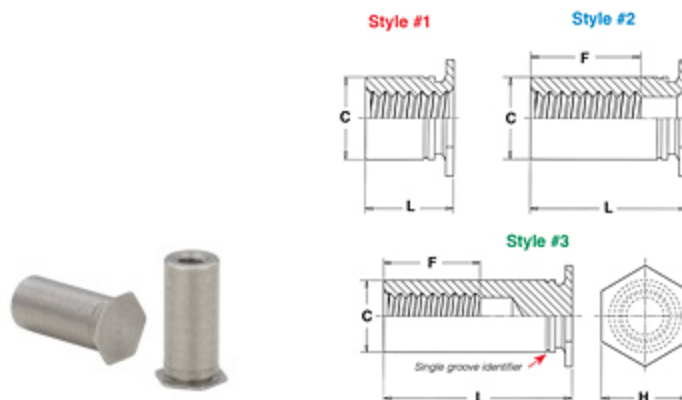
Phone: 215-766-8853

Toll-Free Phone: 1-800-237-4736 (U.S. only)

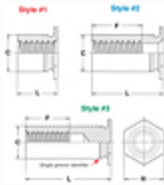
Email: info@pemnet.com

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Part # TSO4-440-687, Threaded Standoffs for Stainless Sheets as Thin as .025" - Types TSO4 – Unified



Specifications

Thread Size	.112-40 (#4-40)
Thread Code	440
Length Code	687
Style¹	#3
Min. Sheet Thickness	.025 in
Hole Size in Sheet + .003 - .000	.166 in
	.165 in
C + .000 - .005	
F - Min. Thread Depth	.220 in
H - Nom.	.187 in
L - Length ± .003²	.687 in
Min. Dist. Hole C/L to Edge	.23 in
For Use in Sheet Hardness³	HRB 88 / HB 183 or Less
Thread Specification	Internal, ANSI B1.1, 2B

Fastener Material	Heat treated 400 Series	Stainless Steel
Standard Finish	Passivated and/or tested per ASTM A380	

¹ Style #1 - Thru-threaded.
 Style #2 - Screw might not pass through unthreaded end. Tapped to minimum full thread depth shown. Incomplete threads on tap may allow screw to pass through.
 Style #3 - Blind.

² Available in other lengths on special order.

³ HRB - Hardness Rockwell “B” Scale. HB - Hardness Brinell.