



PennEngineering

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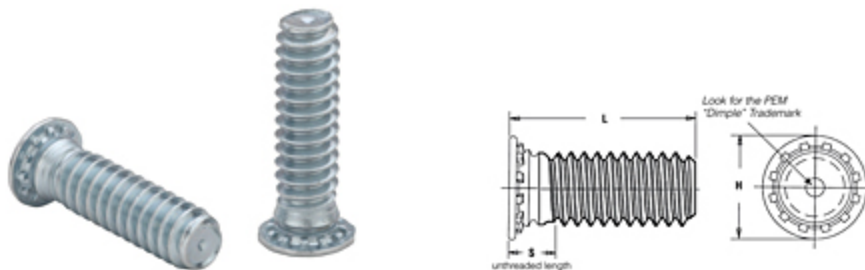
Website: www.pemnet.com

Part # FHA-0420-10, Self-Clinching Threaded Studs - Type FH/FHS/FHA - Unified

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.

FH (flush-head) studs are available in aluminum, steel, or

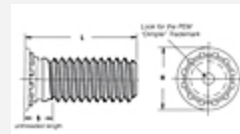
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Specifications

Thread Size	.250-20 (1/4-20)
Thread Code	0420
Length Code	10
Material Code	A
Min. Sheet Thickness	.062 in
Hole Size in Sheet + .003 - .000	.249 in
Max. Hole in Attached Parts	.270 in
	.625 in

L - Length ± .015



H ± .015	.337 in
S Max.¹	.135 in
Min. Dist. Hole C/L to Edge	.312 in
For Use in Sheet Hardness	HRB 50 / HB 82 or less

Thread Specification	External, ANSI B1.1, 2A
Fastener Material	Aluminum (Plain Finish)
Standard Finish	No Finish
CAD Supplier	PennEngineering® (PEM®)

¹ Threads are gageable to within 2 pitches of the “S” Max. dimension. A class 3B/5H maximum material commercial nut shall pass up to the “S” Max. dimension.