



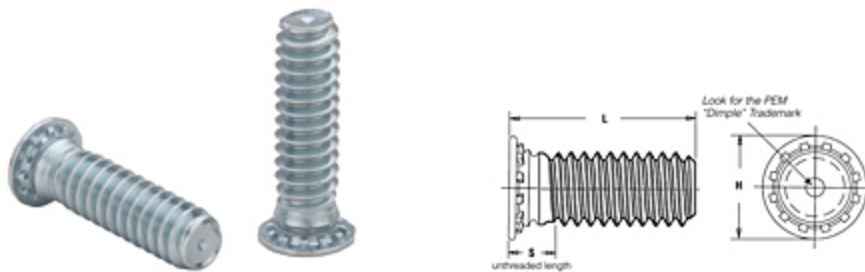
PennEngineering
Corporate Headquarters – Danboro, PA
 5190 Old Easton Rd.
 Danboro, PA 18916
Phone: 215-766-8853
Toll-Free Phone: 1-800-237-4736 (U.S. only)
Email: info@pemnet.com
Website: www.pemnet.com

Part # FHS-M5-20, Self-Clinching Threaded Studs - Type FH/FHS/FHA - Metric

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.

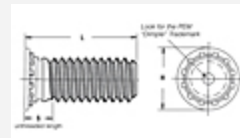
FH (flush-head) studs are available in aluminum, steel, or

[+ more](#)



Specifications

Thread Size x Pitch	M5 x 0.8
Thread Code	M5
Length Code	20
Material Code	S
Min. Sheet Thickness	1 mm
Hole Size in Sheet + 0.08	5 mm
Max. Hole in Attached Parts	5.60 mm
	20 mm
L - Length ± 0.4	
H ± 0.4	6.5 mm
S Max.¹	2.7 mm
Min. Dist. Hole C/L to Edge	7.2 mm
For Use in Sheet Hardness	HRB 70 / HB 125 or Less
Thread Specification	External, ASME B1.13M, 6g



Fastener Material	300 Series Stainless Steel
Standard Finish	Passivated and/or tested per ASTM A380
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.