

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

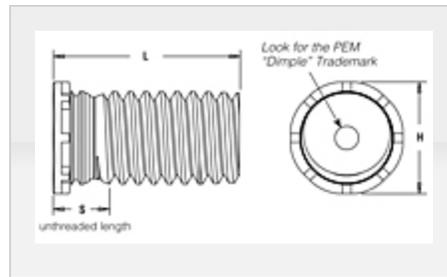
Asia/Pacific: Singapore • E-mail: singapore@pemnet.com • Tel: +65-6-745-0660
Shanghai, China • E-mail: china@pemnet.com • Tel: +86-21-5868-3688

Part # FHL-M2.5-8ZI, Low-Displacement Head Studs - Types FHL, FHLS - 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.

FHL (flush low-displacement head) Studs install closer to the edge

[+ more](#)



Specifications

Thread Size x Pitch M2.5 x 0.45

Thread Code M2.5

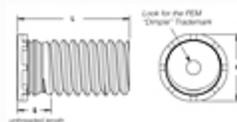
Length Code 8

Min. Sheet Thickness 1 mm

Hole Size in Sheet + 0.08 2.50 mm

Max. Hole in Attached Parts 2.90 mm

L - Length ± 0.4



H ± 0.4	3.15 mm
S Max.¹	2.10 mm
Min. Dist. Hole C/L to Edge	2.80 mm
For Use in Sheet Hardness	HRB 80 / HB 150 or less
Thread Specification	External, ASME B1.13M, 6g
Fastener Material	Heat-Treated Carbon Steel
Standard Finish	Zinc plated per ASTM B633, SC1 (5µm), Type III, colorless
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.