



PennEngineering

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Part # AS-M3-2ZI, Floating Self-Clinching Fasteners A4, AS, AC - Metric

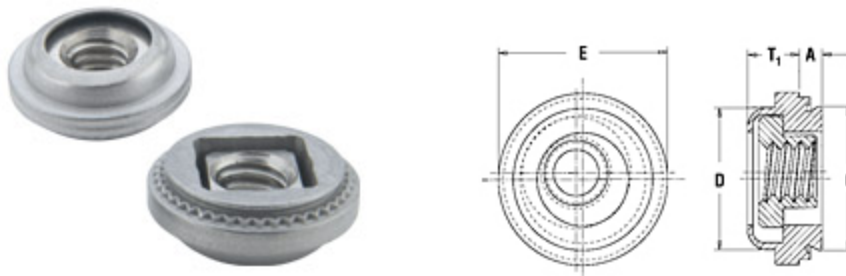
Locking and Non-locking Threads

These fasteners provide load-bearing threads in thin sheets and permit up to 0.76mm adjustment for mating hole misalignment.

The self-clinching feature offers fast and simple assembly. The fasteners are squeezed into prepared holes using any standard press. The sheet remains flush on one side, and the fastener is permanently locked in place.

Extra strength and support in assembly is obtained by the threads of the floating nut extending fully into the retainer

[+ more](#)

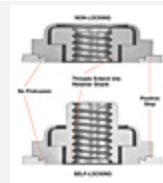


Specifications

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Thread Size x Pitch M3 x 0.5

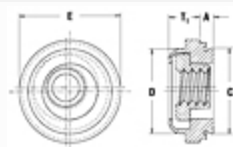
Thread Type Non-Locking



Thread Code M3

Shank Code 2

A (Shank) Max. 1.38 mm



Min. Sheet Thickness 1.38 mm

Hole Size in Sheet + 0.08 7.37 mm

C Max.	7.35 mm
D Max.	7.37 mm
E ± 0.38	9.14 mm
T1 Max.	3.31 mm
Min. Dist. Hole C/L to Edge	7.62 mm
Float	0.38mm minimum, in all directions from center, 0.76mm total
Fastener Material	Steel
Fastener Materials - Retainer	Heat-Treated Carbon Steel
Fastener Materials - Nut	Carbon Steel
Standard Finish - Retainer & Nut	Zinc plated per ASTM B633, SC1 (5µm), Type III, colorless
For Use in Sheet Hardness¹	HRB 70 / HB 125 or Less
Thread Specification	Internal, ANSI/ASME B1.13M, 6H
CAD Supplier	PennEngineering® (PEM®)

¹ HRB - Hardness Rockwell “B” Scale. HB - Hardness Brinell.