



PennEngineering

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Part # AS-0420-2ZI, Floating Self-Clinching Fasteners A4, AS, AC - Unified

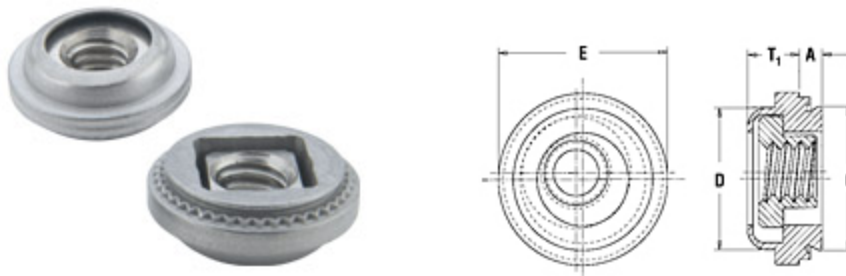
Locking and Non-locking Threads

These fasteners provide load-bearing threads in thin sheets and permit up to .030" 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

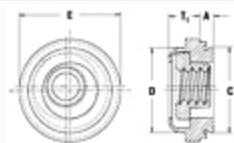
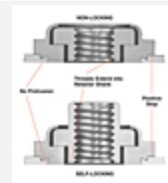
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Specifications



Thread Size	.250-20 (1/4-20)
Thread Type	Non-Locking
Thread Code	0420
Shank Code	2
A (Shank) Max.	.054 in
Min. Sheet Thickness	.054 in



Hole Size in Sheet + .003 - .000	.515 in
C Max.	.514 in
D Max.	.510 in
E ± .015	.600 in
T1 Max.	.210 in
Min. Dist. Hole C/L to Edge	.420 in
Float	.015” minimum, in all directions from center, .030” 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 B1.1, 2B
CAD Supplier	PennEngineering® (PEM®)

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