

Floating Self-clinching Fasteners

For installation into stainless steel sheets



Locking and Non-locking Threads

These fasteners provide load-bearing threads in thin sheets as hard as Rockwell B 88 / HB 183 and permit up to .030" / 0.76 mm adjustment for mating hole misalignment.

The self-clinching feature offers fast and simple assembly. The fasteners are squeezed into properly sized holes using any standard press. The sheet remains flush on one side, and the fastener is permanently clinched in place. Uniformity of locking torque for Type LA4 is equivalent to NASM25027 specifications.



Self-locking Type LA4™



Non-locking Type A4™

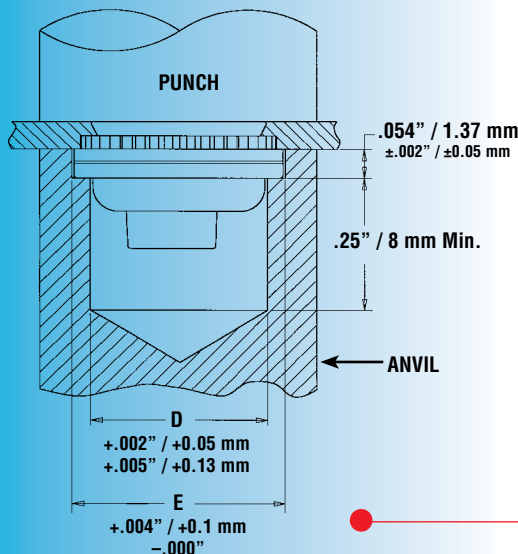


Features and Benefits

- ◆ Speeds assembly by compensating for mating hole misalignment.
- ◆ Permanent installation into stainless steel sheets as thin as .038" / 0.97 mm and greater.
- ◆ Provides high torque-out and pushout resistance in stainless panels.
- ◆ RoHS compliant.

Installation

1. Prepare properly sized mounting hole in sheet. Do not perform any secondary operations such as deburring.
2. Place fastener into the anvil hole and place the mounting hole over the shank of the fastener.
3. With the punch and anvil surfaces parallel, apply sufficient squeezing force until flange contacts mounting sheet. Sketch shows suggested tooling for applying these forces.

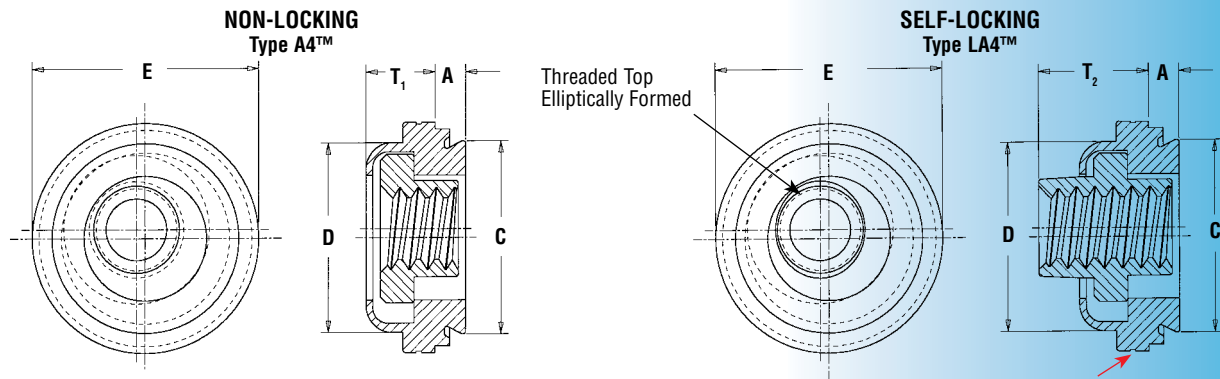


Performance Data ⁽¹⁾

UNIFIED	Thread Code	Test Sheet Material			Anvil Part Number	Punch Part Number
		300 Series Stainless Steel				
		Installation (lbs.)	Retainer Pushout (lbs.)	Retainer Torque-out (in. lbs.)		
440	9000	200	85	8013889	975200048	
632	10000	200	85	8013890	975200048	
832	12000	200	85	8013891	975200048	
032	13000	250	125	8013892	975200048	

METRIC	Thread Code	Test Sheet Material			Anvil Part Number	Punch Part Number
		300 Series Stainless Steel				
		Installation (kN)	Retainer Pushout (N)	Retainer Torque-out (N•m)		
M3	40	890	9.6	8013889	975200048	
M4	53	890	9.6	8013891	975200048	
M5	57	1100	14.1	8013892	975200048	

(1) Performance values reported are averages when all installation specifications and procedures are followed. Variations in mounting hole size, sheet material and installation force will affect this data. Performance testing of this product in your application is recommended. We will be happy to provide samples for this purpose.



Float – .015" / 0.38 mm minimum, in all directions from center, .030" / 0.76 mm total.

Single groove identifies product for installation into stainless steel sheets.

All dimensions are in inches.

UNIFIED	Thread Size	Type		Thread Code	Shank Code	A (Shank) Max.	Min. Sheet Thickness	Hole Size in Sheet + .003 – .000	C Max.	D Max.	E ± .015	T ₁ Max.	T ₂ Max.	Min. Dist. Hole C/L To Edge
		Non-Locking	Self-Locking											
	.112-40 (#4-40)	A4	LA4	440	1	.038	.038	.290	.289	.290	.360	.130	.190	.30
	.138-32 (#6-32)	A4	LA4	632	1	.038	.038	.328	.327	.335	.390	.130	.200	.32
	.164-32 (#8-32)	A4	LA4	832	1	.038	.038	.368	.367	.365	.440	.130	.210	.34
	.190-32 (#10-32)	A4	LA4	032	1	.038	.038	.406	.405	.405	.470	.170	.270	.36

All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Type		Thread Code	Shank Code	A (Shank) Max.	Min. Sheet Thickness	Hole Size in Sheet + 0.08	C Max.	D Max.	E ± 0.38	T ₁ Max.	T ₂ Max.	Min. Dist. Hole C/L To Edge
		Non-Locking	Self-Locking											
	M3 x 0.5	A4	LA4	M3	1	0.97	0.97	7.37	7.35	7.37	9.14	3.31	4.83	7.62
	M4 x 0.7	A4	LA4	M4	1	0.97	0.97	9.35	9.33	9.28	11.18	3.31	5.34	8.64
	M5 x 0.8	A4	LA4	M5	1	0.97	0.97	10.31	10.29	10.29	11.94	4.32	6.86	9.14

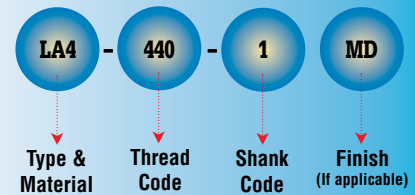
Material & Finish Specifications

Type	Threads		Fastener Materials		Standard Finishes			For Use In (1)
	Non-locking, Internal ANSI B1.1, 2B/ANSI/ASME B1.13M, 6H	Self-locking, Internal ANSI B1.1, 3B/ANSI/ASME B1.13M, 6H	Retainer	Nut	Retainer	Nut	Nut	
A4	•		•	•	•	•	•	Sheet Hardness HRB 88 / HB 183 or Less
LA4		•	•	•	•	•	•	
Part number codes for finishes					None	None	MD	

(1) HRB - Hardness Rockwell "B" Scale. HB - Hardness Brinell.



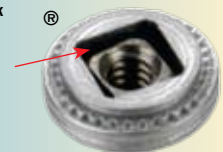
Part Number Designation



Double squares are a registered trademark

Always look for the square insert in a square retainer to be sure you are getting PEM brand fasteners and the best in self-clinching performance.

Bottom view (same for both type fasteners).



RoHS compliance information can be found on our website.
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