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Part # FEO-M3-MD, Miniature Self-Clinching Fasteners - Types U, UL, FE, FEO, FEOX, FEX - Metric

PEM® brand miniature fasteners fit into a minimal space and provide strong, reusable threads.

Types FE, FEO and UL are self-locking. Types FE and FEO thread locking torque performance is equivalent to applicable NASM25027 specifications. Type UL self-locking nuts meet locking torque requirements specified herein. Some sizes of FE, FEO, and UL can be ordered to NASM45938/7 specifications. Types FEX, FEOX and U have free-running class 2B/6H threads.

PEM miniature fasteners provide immediate visual

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Specifications



Thread Size x Pitch	M3 x 0.5
Thread Type	Self-Locking
Thread Code	M3
A (Shank) Max.	1.020 mm
Sheet Thickness¹	0.99 to 1.14 mm
Hole Size in Sheet + 0.08	4.39 mm
C - 0.13	4.37 mm
D Max.	3.96 mm
E ± 0.13	4.88 mm
T + 0.4	1.90 mm
Min. Dist. Hole C/L to Edge	3.6 mm
Max. Hole in Attached Parts	3.50 mm



For Use in Sheet Hardness ²	HRB 70 / HB 125 or Less	
Thread Specification	Internal, ANSI B1.21M, MJ	4H6H 4H5H (M6 thread)
Fastener Material	300 Series Stainless Steel	
Standard Finish	Black, Dry-film Lubricant	
CAD Supplier	PennEngineering® (PEM®)	

¹ In applications between the sheet thicknesses for your thread size, see last paragraph of installation data on page FE-6. Knurled collar may fracture if fastener is used in sheets thicker than the specified range and the screw is tightened beyond maximum tightening torque.

² HRB - Hardness Rockwell “B” Scale. HB - Hardness Brinell.