STAINLESS STEEL

FEX-632

Miniature Self-Clinching Fasteners – Types U, UL, FE, FEO, FEOX, FEX

Self-Clinching / Nuts / FEX-632

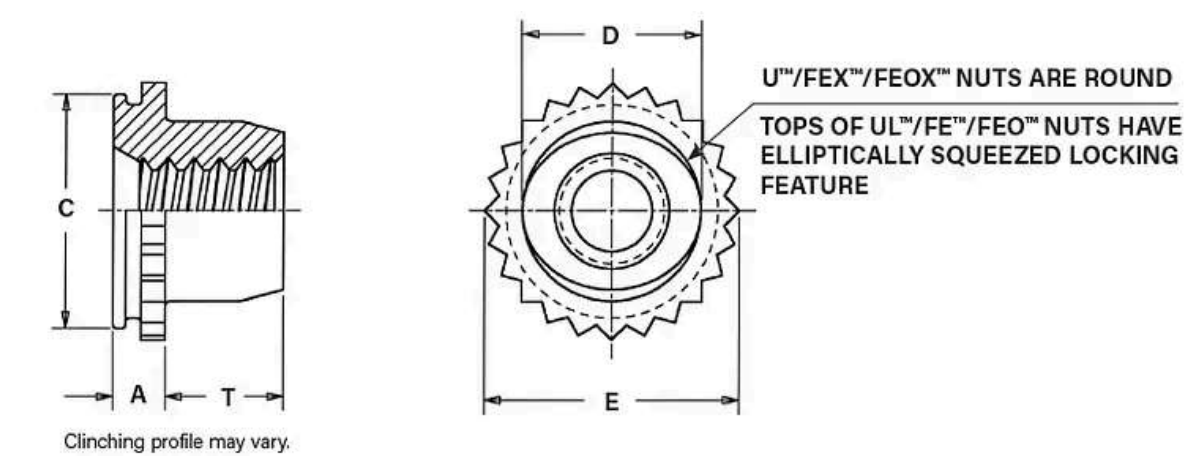PEM® brand miniature fasteners fit into a minimal space and provide strong, reusable threads.

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 indication when proper installation has been accomplished.

A strong, knurled collar, which is completely embedded in the sheet, guarantees against rotation of the fastener in the sheet. The torque-out resistance of the knurl greatly exceeds the torque that can be exerted by the selflocking feature.

When this collar is embedded in the sheet, the undercut cavity beneath the collar is filled with displaced sheet material thereby developing pushout resistance.

A dry-film lubricant applied to these fasteners provides the smooth, non-galling prevailing torque performance necessary for reliable locking and for reusability.

U™/FEX™/FEOX™ NUTS ARE ROUND

TOPS OF UL™/FE™/FEO™ NUTS HAVE ELLIPTICALLY SQUEEZED LOCKING FEATURE

Clinching profile may vary.

SPECIFICATIONS

THREAD CODE	632	A SHANK MAX	0.06in
THREAD SPECIFICATION	2B, Internal	C + .000 – .005_IN	0.212in
FOR USE IN SHEET HARDNESS	HRB 70 / HB 125 or Less	E ± .005_IN	0.244in
PRODUCT CATEGORY	Miniature Self-Clinching	HOLE SIZE IN SHEET + .003 – .000_IN	0.213in

	Fasteners – Types U, UL, FE, FEO, FEOX, FEX	MAX. HOLE IN ATTACHED PARTS_IN	0.158in
THREAD TYPE	Non-Locking	D MAX._IN	0.18in
THREAD TYPE	PEM nuts: Miniature	T + .015 -.000_IN	0.075in
APPLICATION TYPE	Automotive Electronics, Consumer Electronics, Datacom, Telecom		
BASE PANEL MATERIAL	Aluminum, Steel		
BRAND	PEM		
FASTENER CHARACTERISTICS	Locking, Miniature, Threaded Internal		
INDUSTRY	Automotive Electronics, Consumer Electronics, Datacom & Telecom		
INSTALLATION EQUIPMENT/METHOD	C-Frame Automatic Feed, C-Frame Manual Feed		
PEM PRODUCT FAMILY	FE, LN		
PRODUCT TYPE	Nuts		